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# **EPIC<sup>®</sup> MIL-C**

## **MIL-C-5015**

## **CM1 SERIES**

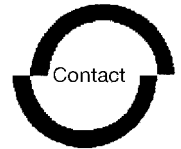
## **BAYONET FIT**

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## General description

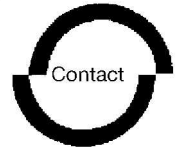
The CM1 connector series derives from the MIL-C-5015 standard, but is different because of its bayonet coupling, which reduces the coupling time and makes the coupling easier when the connector is in an awkward position. Another advantage of the CM1 connector series is the notable resistance to vibrations, because of the three stainless steel wear pins located near the end of the bayonet track of the receptacle. The CM1 series guarantees reliability because of its strength even in the most variable environments, such as road and rail transport in general, including the underground, on army tanks, communication and radar apparatus, in the naval field, industrial automation, cinema and television lighting systems and many other applications. With the appropriate accessories, these connectors may be immersed for a number of hours up to a depth of ten meters. This series uses the same inserts as the MIL - C - 5015 and the VG 95234 and is interchangeable with the last. The contacts used can be solder, crimp, PCB type, gold or silver plated. Thermocouple contacts are also available.

Depending on the usage conditions, the following specifications may be supplied:

- 1) connectors and parts in either stainless steel or covered in rubber,
- 2) flame resistant rubber inserts without halogens,
- 3) alternative cadmium surface treatments,
- 4) special contacts.

The CM1 connector series helps resolve technical problems derived from the application of the EEC directives relative to machines, low tension plants and electromagnetic compatibility.

Please contact our sales department for your needs.



### Metal parts

Aluminium alloy with Cadmium free surface coatings with an olive drab passivation .

### Contacts

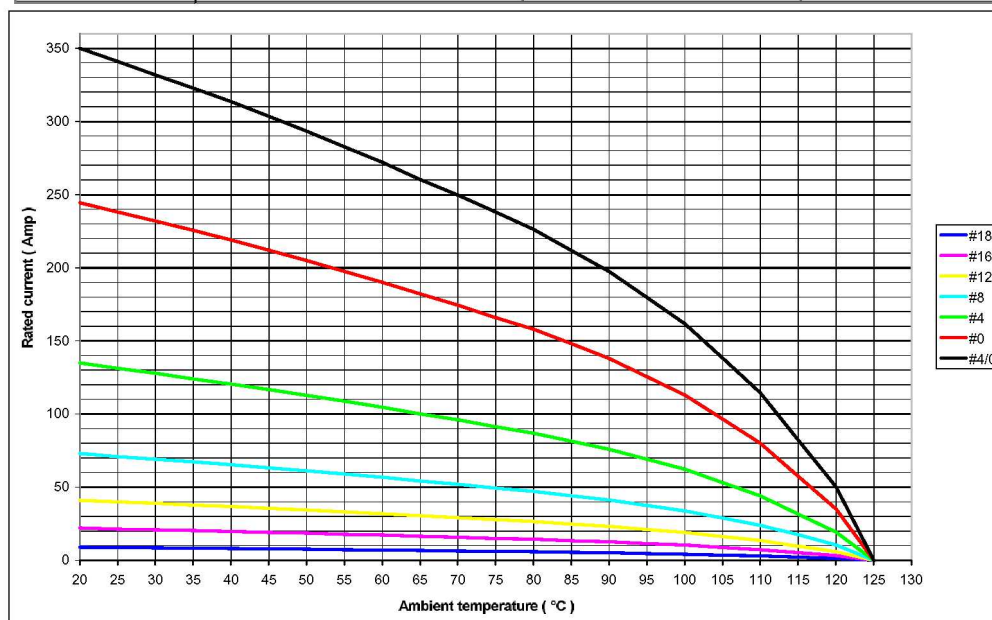
The following contact types are available :  
copper alloy with silver plating (Std) or gold plating (available on request).

### Insulating parts

High insulation synthetic rubber resistant to oils and high range of temperatures  
(-55°C to +125°C) in accordance with MIL-R-3065.  
Are also available in fire resistant and halogen free materials.

### Contacts

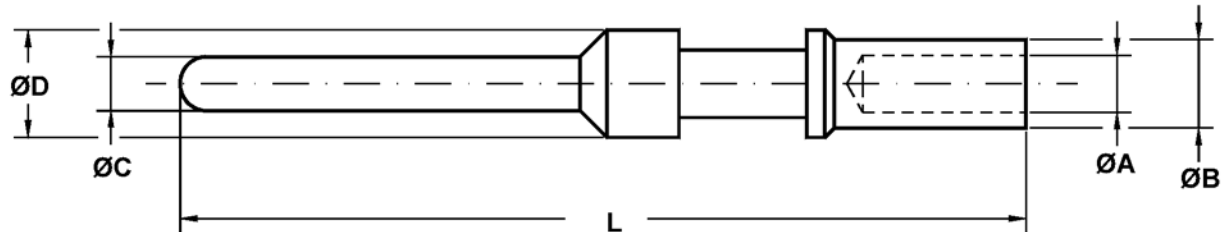
| Contact size | Rated current at 20°C | Max. Contact resist. | Wire size |
|--------------|-----------------------|----------------------|-----------|
| 18           | 7.5 A                 | 12.0 mΩ              | 20+26 AWG |
| 16           | 22 A                  | 6.0 mΩ               | 16+22 AWG |
| 12           | 41 A                  | 3.0 mΩ               | 12-14 AWG |
| 8            | 73 A                  | 1.0 mΩ               | 8-10 AWG  |
| 4            | 135 A                 | 0.5 mΩ               | 4-6 AWG   |
| 0            | 245 A                 | 0.3 mΩ               | 0+2 AWG   |
| 4/0          | 350 A                 | 0.2 mΩ               | 4/0 AWG   |



### Service rating ( Min insulating resistance : $\geq 5 \times 10^3 \text{ M}\Omega$ )

| Class | Operating voltage Vdc | Operating voltage VacRMS | Test voltage Vac RMS |
|-------|-----------------------|--------------------------|----------------------|
| INST. | 250 V                 | 200 V                    | 1000 V               |
| A     | 700 V                 | 500 V                    | 2000 V               |
| D     | 1250 V                | 900 V                    | 2800 V               |
| E     | 1750 V                | 1250 V                   | 3500 V               |
| B     | 2450 V                | 1750 V                   | 4500 V               |
| C     | 4200 V                | 3000 V                   | 7000 V               |

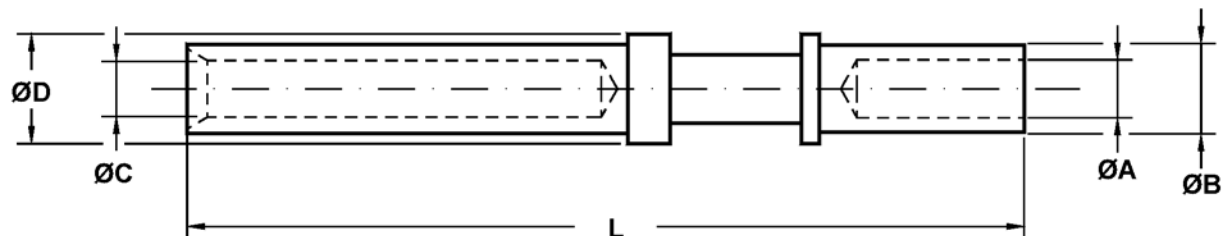
## Pin contacts



| Contact P/N      | Size | mm <sup>2</sup> | AWG     | A<br>+0<br>-0.1 | B<br>+0<br>-0.1 | C<br>±0.02 | D<br>+0<br>-0.1 | L<br>±0.1 |
|------------------|------|-----------------|---------|-----------------|-----------------|------------|-----------------|-----------|
| CM - 40579       | 18   | 0.15 / 0.6      | 26 / 20 | 1.30            | 1.93            | 1.40       | 2.2             | 29.60     |
| CM - 40553       | 16S  | 1 / 1.5         | 18 / 16 | 1.70            | 2.60            | 1.58       | 3.2             | 26.65     |
| CM - 40553 - 12  | 16S  | 0.6             | 20      | 1.20            | 2.60            | 1.58       | 3.2             | 26.65     |
| CM - 40553 - 13  | 16S  | 0.15 / 0.6      | 26 / 20 | 1.30            | 1.93            | 1.58       | 3.2             | 26.65     |
| CM - 40553 - 15  | 16S  | 1               | 18      | 1.50            | 2.60            | 1.58       | 3.2             | 26.65     |
| CM - 40553 - 20  | 16S  | 2               | 14      | 2.00            | 2.90            | 1.58       | 3.2             | 26.65     |
| CM - 40553 - 26  | 16S  | 3               | 12      | 2.50            | 3.80            | 1.58       | 3.2             | 26.65     |
| CM - 40557       | 16   | 1 / 1.5         | 18 / 16 | 1.70            | 2.60            | 1.58       | 3.2             | 31.75     |
| CM - 40557 - 08  | 16   | 0.15 / 0.2      | 26 / 24 | 0.85            | 1.55            | 1.58       | 3.2             | 31.75     |
| CM - 40557 - 12  | 16   | 0.6             | 20      | 1.20            | 2.60            | 1.58       | 3.2             | 31.75     |
| CM - 40557 - 13  | 16   | 0.15 / 0.6      | 26 / 20 | 1.30            | 1.93            | 1.58       | 3.2             | 31.75     |
| CM - 40557 - 15  | 16   | 1               | 18      | 1.50            | 2.60            | 1.58       | 3.2             | 31.75     |
| CM - 40557 - 20  | 16   | 2               | 14      | 2.00            | 2.90            | 1.58       | 3.2             | 31.75     |
| CM - 40557 - 26  | 16   | 3               | 12      | 2.50            | 3.80            | 1.58       | 3.2             | 31.75     |
| CM - 40557 - 32  | 16   |                 | 32 / 28 | 0.45            | 1.95            | 1.58       | 3.2             | 31.75     |
| CM - 40561       | 12   | 3               | 12      | 2.50            | 3.90            | 2.38       | 4.8             | 37.65     |
| CM - 40561 - 12  | 12   | 0.6             | 20      | 1.20            | 2.60            | 2.38       | 4.8             | 37.65     |
| CM - 40561 - 15  | 12   | 1               | 18      | 1.50            | 3.40            | 2.38       | 4.8             | 37.65     |
| CM - 40561 - 20  | 12   | 1 / 2           | 18 / 14 | 2.00            | 3.80            | 2.38       | 4.8             | 37.65     |
| CM - 40561 - 22  | 12   | 2.5             |         | 2.20            | 3.80            | 2.38       | 4.8             | 37.65     |
| CM - 40561 - 30  | 12   | 4               |         | 3.00            | 4.80            | 2.38       | 4.8             | 37.65     |
| CM - 40561 - 30M | 12   | 4               |         | 3.30            | 4.20            | 2.38       | 4.8             | 37.65     |
| CM - 40561 - 38  | 12   | 6               |         | 3.60            | 4.80            | 2.38       | 4.8             | 37.65     |
| CM - 40792       | 8    | 6 / 8           | 8       | 4.50            | 6.90            | 3.59       | 7.8             | 42.00     |
| CM - 40792 - 50  | 8    | 10              |         | 5.00            | 6.90            | 3.59       | 7.8             | 42.00     |
| CM - 113474 - 4P | 4    | 22              | 4       | 7.15            | 9.53            | 5.70       | 11.0            | 42.00     |
| CM - 113474 - 1P | 0    | 50 / 60         | 0       | 11.50           | 14.30           | 9.05       | 15.1            | 45.00     |
| CM - 113474 - 0P | 4/0  | 107             | 4/0     | 16.50           | 20.00           | 12.69      | 20.0            | 63.00     |

Please consult our sales department for other contacts or crimp tooling details .

## Socket contacts



| Contact P/N      | Size | mm <sup>2</sup> | AWG     | A<br>+0.1<br>-0 | B<br>+0<br>-0.1 | C<br>+0.05<br>-0 | D<br>+0<br>-0.1 | L<br>±0.1 |
|------------------|------|-----------------|---------|-----------------|-----------------|------------------|-----------------|-----------|
| CM - 40588       | 18   | 0.15 / 0.6      | 26 / 20 | 1.30            | 1.93            | 1.48             | 2.2             | 34.40     |
| CM - 40552       | 16S  | 1 / 1.5         | 18 / 16 | 1.70            | 2.60            | 1.65             | 3.2             | 26.65     |
| CM - 40552 - 12  | 16S  | 0.6             | 20      | 1.20            | 2.60            | 1.65             | 3.2             | 26.65     |
| CM - 40552 - 13  | 16S  | 0.15 / 0.6      | 26 / 20 | 1.30            | 1.93            | 1.65             | 3.2             | 26.65     |
| CM - 40552 - 15  | 16S  | 1               | 18      | 1.50            | 2.60            | 1.65             | 3.2             | 26.65     |
| CM - 40552 - 20  | 16S  | 2               | 14      | 2.00            | 2.90            | 1.65             | 3.2             | 26.65     |
| CM - 40552 - 26  | 16S  | 3               | 12      | 2.50            | 3.80            | 1.65             | 3.2             | 26.65     |
| CM - 40556       | 16   | 1 / 1.5         | 18 / 16 | 1.70            | 2.60            | 1.65             | 3.2             | 36.50     |
| CM - 40556 - 08  | 16   | 0.15 / 0.2      | 26 / 24 | 0.85            | 1.55            | 1.65             | 3.2             | 36.50     |
| CM - 40556 - 12  | 16   | 0.6             | 20      | 1.20            | 2.60            | 1.65             | 3.2             | 36.50     |
| CM - 40556 - 13  | 16   | 0.15 / 0.6      | 26 / 20 | 1.30            | 1.93            | 1.65             | 3.2             | 36.50     |
| CM - 40556 - 15  | 16   | 1               | 18      | 1.50            | 2.60            | 1.65             | 3.2             | 36.50     |
| CM - 40556 - 20  | 16   | 2               | 14      | 2.00            | 2.90            | 1.65             | 3.2             | 36.50     |
| CM - 40556 - 26  | 16   | 3               | 12      | 2.50            | 3.80            | 1.65             | 3.2             | 36.50     |
| CM - 40556 - 32  | 16   |                 | 32 / 28 | 0.45            | 1.95            | 1.65             | 3.2             | 36.50     |
| CM - 40560       | 12   | 3               | 12      | 2.50            | 3.90            | 2.48             | 4.8             | 37.65     |
| CM - 40560 - 12  | 12   | 0.6             | 20      | 1.20            | 2.60            | 2.48             | 4.8             | 37.65     |
| CM - 40560 - 15  | 12   | 1               | 18      | 1.50            | 3.40            | 2.48             | 4.8             | 37.65     |
| CM - 40560 - 20  | 12   | 1 / 2           | 18 / 14 | 2.00            | 3.80            | 2.48             | 4.8             | 37.65     |
| CM - 40560 - 22  | 12   | 2.5             |         | 2.20            | 3.80            | 2.48             | 4.8             | 37.65     |
| CM - 40560 - 30  | 12   | 4               |         | 3.00            | 4.80            | 2.48             | 4.8             | 37.65     |
| CM - 40560 - 30M | 12   | 4               |         | 3.30            | 4.20            | 2.48             | 4.8             | 37.65     |
| CM - 40560 - 38  | 12   | 6               |         | 3.60            | 4.80            | 2.48             | 4.8             | 37.65     |
| CM - 40793       | 8    | 6 / 8           | 8       | 4.50            | 6.90            | 3.73             | 7.8             | 42.00     |
| CM - 40793 - 50  | 8    | 10              |         | 5.00            | 6.90            | 3.73             | 7.8             | 42.00     |
| CM - 113474 - 4S | 4    | 22              | 4       | 7.15            | 9.53            | 5.84             | 11.0            | 42.00     |
| CM - 113474 - 1S | 0    | 50 / 60         | 0       | 11.50           | 14.30           | 9.20             | 15.1            | 45.00     |
| CM - 113474 - 0S | 4/0  | 107             | 4/0     | 16.50           | 20.00           | 12.70            | 20.0            | 65.50     |

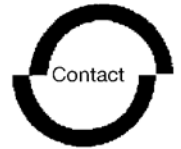
Please consult our sales department for other contacts or crimp tooling details .



## Contact arrangement

| Arrang.  | Rating | Contact size |   |   |   |    |    |    |
|----------|--------|--------------|---|---|---|----|----|----|
|          |        | 4/0          | 0 | 4 | 8 | 12 | 16 | 18 |
| 10SL - 3 | A      |              |   |   |   |    | 3  |    |
| - 4      | A      |              |   |   |   |    | 2  |    |
| 12S - 3  | A      |              |   |   |   |    | 2  |    |
| 12 - 5   | A      |              |   |   |   | 1  |    |    |
| 14S - 1  | A      |              |   |   |   |    | 3  |    |
| - 2      | I      |              |   |   |   |    | 4  |    |
| - 4      | D      |              |   |   |   |    | 1  |    |
| - 5      | I      |              |   |   |   |    | 5  |    |
| - 6      | I      |              |   |   |   |    | 6  |    |
| - 7      | A      |              |   |   |   |    | 3  |    |
| - 9      | A      |              |   |   |   |    | 2  |    |
| 14 - 07  | I      |              |   |   |   |    | 7  |    |
| 16S - 1  | A      |              |   |   |   |    | 7  |    |
| - 3      | B      |              |   |   |   |    | 1  |    |
| - 4      | D      |              |   |   |   |    | 2  |    |
| - 5      | A      |              |   |   |   |    | 3  |    |
| - 6      | A      |              |   |   |   |    | 3  |    |
| - 8      | A      |              |   |   |   |    | 5  |    |
| 16 - 2   | E      |              |   |   |   | 1  |    |    |
| - 7      | A      |              |   |   | 1 |    | 2  |    |
| - 9      | A      |              |   |   |   | 2  | 2  |    |
| - 10     | A      |              |   |   |   | 3  |    |    |
| - 11     | A      |              |   |   |   | 2  |    |    |
| - 12     | A      |              |   | 1 |   |    |    |    |
| - A10    | I      |              |   |   |   |    |    | 10 |
| 18 - 1   | I      |              |   |   |   |    | 10 |    |
| - 3      | D      |              |   |   |   | 2  |    |    |
| - 4      | D      |              |   |   |   |    | 4  |    |
| - 5      | D      |              |   |   |   | 2  | 1  |    |
| - 6      | D      |              |   | 1 |   |    |    |    |
| - 06     | A      |              |   |   |   | 4  | 2  |    |
| - 7      | B      |              |   |   | 1 |    |    |    |
| - 8      | A      |              |   |   |   | 1  | 7  |    |
| - 9      | I      |              |   |   |   | 2  | 5  |    |
| - 10     | A      |              |   |   |   | 4  |    |    |
| - 11     | A      |              |   |   |   | 5  |    |    |
| - 12     | A      |              |   |   |   |    | 6  |    |
| - 13     | A      |              |   |   | 1 | 3  |    |    |
| - 14     | A      |              |   | 1 |   |    | 1  |    |
| - 16     | C      |              |   |   |   | 1  |    |    |
| - 19     | A      |              |   |   |   |    | 10 |    |
| - 20     | A      |              |   |   |   |    | 5  |    |
| - 22     | D      |              |   |   |   |    | 3  |    |
| - 29     | A      |              |   |   |   |    | 5  |    |
| 20 - 2   | D      |              | 1 |   |   |    |    |    |
| - 3      | D      |              |   |   |   | 3  |    |    |
| - 4      | D      |              |   |   |   | 4  |    |    |
| - 6      | D      |              |   |   |   |    | 3  |    |
| - 7      | A      |              |   |   |   |    | 8  |    |
| - 8      | I      |              |   |   | 2 |    | 4  |    |
| - 9      | A      |              |   |   |   | 1  | 7  |    |
| - 11     | I      |              |   |   |   |    | 13 |    |
| - 12     | A      |              |   | 1 |   |    | 1  |    |
| - 14     | A      |              |   |   | 2 | 3  |    |    |
| - 15     | A      |              |   |   |   | 7  |    |    |
| - 16     | A      |              |   |   |   | 2  | 7  |    |
| - 17     | A      |              |   |   |   | 5  | 1  |    |

| Arrang. | Rating | Contact size |   |   |   |    |    |    |
|---------|--------|--------------|---|---|---|----|----|----|
|         |        | 4/0          | 0 | 4 | 8 | 12 | 16 | 18 |
| 20 - 18 | A      |              |   |   |   | 3  | 6  |    |
| - 19    | A      |              |   |   | 3 |    |    |    |
| - 20    | A      |              |   | 1 |   | 3  |    |    |
| - 21    | A      |              |   |   |   | 1  | 8  |    |
| - 22    | A      |              |   |   | 3 |    | 3  |    |
| - 23    | A      |              |   |   | 2 |    |    |    |
| - 24    | A      |              |   |   | 2 |    | 2  |    |
| - 27    | A      |              |   |   |   |    | 14 |    |
| - 29    | A      |              |   |   |   |    | 17 |    |
| - 33    | A      |              |   |   |   |    | 11 |    |
| - A9    | I      |              |   |   |   | 9  |    |    |
| - A48   | I      |              |   |   |   |    | 19 |    |
| 22 - 1  | D      |              |   |   | 2 |    |    |    |
| - 2     | D      |              |   |   | 3 |    |    |    |
| - 4     | A      |              |   |   | 2 | 2  |    |    |
| - 5     | D      |              |   |   |   | 2  | 4  |    |
| - 6     | D      |              |   |   | 2 |    | 1  |    |
| - 7     | E      |              | 1 |   |   |    |    |    |
| - 8     | E      |              |   |   |   | 2  |    |    |
| - 9     | E      |              |   |   |   | 3  |    |    |
| - 10    | E      |              |   |   |   |    | 4  |    |
| - 11    | B      |              |   |   |   |    | 2  |    |
| - 12    | D      |              |   |   | 2 |    | 3  |    |
| - 13    | D      |              |   |   |   | 4  | 1  |    |
| - 14    | A      |              |   |   |   |    | 19 |    |
| - 15    | A      |              |   |   |   | 5  | 1  |    |
| - 16    | A      |              |   |   |   | 3  | 6  |    |
| - 17    | A      |              |   |   |   | 1  | 8  |    |
| - 18    | A      |              |   |   |   |    | 8  |    |
| - 19    | A      |              |   |   |   |    | 14 |    |
| - 20    | A      |              |   |   |   |    | 9  |    |
| - 21    | A      |              | 1 |   |   |    | 2  |    |
| - 22    | A      |              |   |   | 4 |    |    |    |
| - 23    | A      |              |   |   |   | 8  |    |    |
| - 24    | A      |              |   |   |   | 2  | 4  |    |
| - 27    | A      |              |   |   | 1 |    | 8  |    |
| - 28    | A      |              |   |   |   | 7  |    |    |
| - 33    | A      |              |   |   |   |    | 7  |    |
| - 34    | D      |              |   |   |   | 3  | 2  |    |
| - 82    | A      |              |   |   | 2 |    | 8  |    |
| - A10   | A      |              |   |   |   |    | 10 |    |
| - A37   | A      |              |   |   |   |    |    | 37 |
| 24 - 2  | D      |              |   |   |   | 7  |    |    |
| - 3     | A      |              |   |   |   | 2  | 5  |    |
| - 4     | A      |              | 1 |   |   |    | 3  |    |
| - 5     | A      |              |   |   |   |    | 16 |    |
| - 06    | D      |              |   |   | 4 |    | 2  |    |
| - 6     | A      |              |   |   |   | 8  |    |    |
| - 07    | D      |              |   |   |   | 7  |    |    |
| - 7     | A      |              |   |   |   | 2  | 14 |    |
| - 9     | A      |              |   | 2 |   |    |    |    |
| - 10    | A      |              |   |   | 7 |    |    |    |
| - 11    | A      |              |   |   | 3 | 6  |    |    |
| - 12    | A      |              |   | 2 |   | 3  |    |    |
| - 013   | A      |              |   |   |   | 6  | 7  |    |
| - 16    | A      |              |   |   | 1 | 3  | 3  |    |
| - 17    | D      |              |   |   |   | 2  | 3  |    |



## Contact arrangement

| Arrang. | Rating | Contact size |   |   |   |    |    |    |
|---------|--------|--------------|---|---|---|----|----|----|
|         |        | 4/0          | 0 | 4 | 8 | 12 | 16 | 18 |
| 24 - 19 | A      |              |   |   |   |    | 12 |    |
| - 20    | D      |              |   |   |   | 2  | 9  |    |
| - 21    | D      |              |   |   | 1 |    | 9  |    |
| - 22    | D      |              |   |   | 4 |    |    |    |
| - 27    | E      |              |   |   |   |    | 7  |    |
| - 28    | I      |              |   |   |   |    | 24 |    |
| - 67    | A      |              |   |   |   | 19 |    |    |
| - A1    | B      |              | 1 |   |   |    |    |    |
| - A25   | A      |              |   |   |   |    | 25 |    |
| - A28   | I      |              |   |   |   |    | 28 |    |
| 28 - 1  | A      |              |   |   | 3 | 6  |    |    |
| - 2     | D      |              |   |   |   | 2  | 12 |    |
| - 3     | E      |              |   |   | 3 |    |    |    |
| - 4     | D      |              |   |   |   | 2  | 7  |    |
| - 5     | D      |              |   | 2 |   | 1  | 2  |    |
| - 6     | D      |              |   | 3 |   |    |    |    |
| - 7     | D      |              |   | 2 |   |    |    |    |
| - 8     | A      |              |   |   |   | 2  | 10 |    |
| - 09    | A      |              |   | 4 |   |    | 5  |    |
| - 9     | D      |              |   |   |   | 6  | 6  |    |
| - 10    | A      |              |   | 2 | 2 | 3  |    |    |
| - 11    | A      |              |   |   |   | 4  | 18 |    |
| - 12    | A      |              |   |   |   |    | 26 |    |
| - 15    | A      |              |   |   |   |    | 35 |    |
| - 16    | A      |              |   |   |   |    | 20 |    |
| - 17    | A      |              |   |   |   |    | 15 |    |
| - 18    | I      |              |   |   |   |    | 12 |    |
| - 19    | A      |              |   |   |   | 4  | 6  |    |
| - 20    | A      |              |   |   |   | 10 | 4  |    |
| - 21    | A      |              |   |   |   |    | 37 |    |
| - 22    | D      |              |   | 3 |   |    | 3  |    |
| - 70    | A      |              |   |   | 7 |    |    |    |
| - 124   | A      |              |   |   | 4 |    | 12 |    |
| - A31   | A      |              |   |   | 6 |    |    | 25 |
| - A35   | A      |              |   |   |   |    | 35 |    |
| - A63   | I      |              |   |   |   | 9  | 19 |    |
| - B1    | B      |              | 1 |   |   |    |    |    |
| 32 - 1  | D      |              | 2 |   |   | 3  |    |    |
| - 2     | E      |              |   | 3 |   |    | 2  |    |
| - 3     | D      |              | 1 | 2 |   | 2  | 4  |    |
| - 4     | I      |              |   |   |   | 2  | 12 |    |
| - 5     | D      |              | 2 |   |   |    |    |    |
| - 6     | A      |              |   | 2 | 3 | 2  | 16 |    |
| - 7     | I      |              |   |   |   | 7  | 28 |    |
| - 8     | A      |              |   |   |   | 6  | 24 |    |
| - 9     | D      |              |   | 2 |   |    | 12 |    |
| - 10    | A      |              |   | 2 | 2 |    | 3  |    |
| - 12    | A      |              |   |   |   | 5  | 10 |    |
| - 013   | D      |              |   |   |   | 13 |    |    |
| - 13    | D      |              |   |   |   | 5  | 18 |    |
| - 15    | D      |              | 2 |   |   | 6  |    |    |
| - 17    | D      |              |   | 4 |   |    |    |    |
| - 22    | A      |              |   |   |   |    | 54 |    |
| - 31    | A      |              |   |   |   |    | 31 |    |
| - 59    | A      |              |   |   | 2 |    | 40 |    |
| - 68    | A      |              |   | 4 |   |    | 12 |    |
| - 689   | A      |              |   | 3 |   |    | 6  |    |

| Arrang. | Rating | Contact size |   |    |    |    |    |     |
|---------|--------|--------------|---|----|----|----|----|-----|
|         |        | 4/0          | 0 | 4  | 8  | 12 | 16 | 18  |
| 32 - 79 | D      |              |   | 4  | 1  |    |    |     |
| - 88    | A      |              |   |    |    |    | 54 |     |
| - A1    | A      | 1            |   |    |    |    |    |     |
| - A3    | E      |              |   | 3  |    |    |    |     |
| - A25   | A      |              |   |    |    | 25 |    |     |
| - A27   | A      |              |   |    |    | 10 | 17 |     |
| - A30   | A      |              |   |    |    | 10 | 20 |     |
| - A48   | I      |              |   |    |    |    | 48 |     |
| - B22   | A      |              |   | 2  |    |    | 20 |     |
| 36 - 01 | C      | 1            |   |    |    |    |    |     |
| - 1     | D      |              |   |    |    | 4  | 18 |     |
| - 3     | D      |              | 3 |    |    | 3  |    |     |
| - 4     | A      |              | 3 |    |    |    |    |     |
| - 5     | A      |              | 4 |    |    |    |    |     |
| - 6     | A      |              | 2 | 4  |    |    |    |     |
| - 7     | A      |              |   |    |    | 7  | 40 |     |
| - 8     | A      |              |   |    |    | 1  | 46 |     |
| - 9     | A      |              |   | 1  | 2  | 14 | 14 |     |
| - 10    | A      |              |   |    |    |    | 48 |     |
| - 13    | A      |              |   |    |    | 2  | 15 |     |
| - 14    | D      |              |   |    | 5  | 5  | 6  |     |
| - 15    | A      |              |   |    |    |    | 35 |     |
| - 20    | A      |              |   |    | 2  | 2  | 30 |     |
| - 22    | D      |              |   |    |    | 22 |    |     |
| - 35    | A      |              |   |    | 4  |    | 32 |     |
| - 74    | A      |              |   |    | 1  |    | 43 |     |
| - A51   | D      |              | 3 | 2  |    |    | 1  |     |
| - A72   | I      |              |   |    |    | 4  | 16 | 52  |
| - B78   | D      |              |   |    | 12 |    | 2  |     |
| - D78   | D      |              |   |    | 10 |    | 4  |     |
| 40 - 1  | D      |              |   |    |    | 6  | 24 |     |
| - 9     | A      |              |   |    | 1  | 22 | 24 |     |
| - 10    | A      |              |   | 4  | 9  |    | 16 |     |
| - 26    | A      |              |   |    | 7  | 19 |    |     |
| - 31    | D      |              |   |    |    | 31 |    |     |
| - 35    | D      |              |   |    |    | 35 |    |     |
| - 47    | A      |              |   |    | 1  | 22 | 24 |     |
| - 53    | A      |              |   |    |    |    | 60 |     |
| - 56    | A      |              |   |    |    |    | 85 |     |
| - 62    | A      |              |   |    |    |    | 60 |     |
| - 63    | A      |              |   |    |    |    | 61 |     |
| - 67    | A      |              |   | 10 |    |    | 1  |     |
| - 150   | I      |              |   |    |    |    |    | 150 |
| - 951   | A      |              |   |    |    | 25 | 26 |     |
| - A3    | A      |              | 3 |    |    | 2  |    |     |
| - A4    | A      |              | 4 |    |    | 2  |    |     |
| - A5    | A      |              | 3 | 1  |    | 1  |    |     |
| - A6    | B      |              |   |    |    | 6  |    |     |
| - A10   | D      |              |   | 4  |    |    | 4  |     |
| - A38   | A      |              |   |    |    | 38 |    |     |
| - A51   | A      |              |   |    | 15 |    | 16 |     |
| - A56   | A      |              |   |    |    |    | 85 |     |
| - A62   | A      |              |   |    | 2  |    | 60 |     |
| - A65   | A      |              |   |    |    |    | 65 |     |
| - B4    | E      |              | 4 |    |    |    |    |     |
| - B19   | A      |              |   |    | 19 |    |    |     |



## Alternate positions

| Arrang. | degrees $\alpha \pm 2^\circ$ |     |     |     |
|---------|------------------------------|-----|-----|-----|
|         | W                            | X   | Y   | Z   |
| 12S - 3 | 70                           | 145 | 215 | 290 |
| 14S - 1 | 90                           | 180 | 270 |     |
| - 2     |                              | 120 | 240 |     |
| - 5     |                              | 110 |     |     |
| - 6     | 90                           |     |     |     |
| - 7     | 90                           | 180 | 270 |     |
| - 9     | 70                           | 145 | 215 | 290 |
| 16S - 1 | 80                           |     |     | 280 |
| - 4     | 35                           | 110 | 250 | 325 |
| - 5     | 70                           | 145 | 215 | 290 |
| - 6     | 90                           | 180 | 270 |     |
| - 8     |                              | 170 | 265 |     |
| - 7     | 80                           | 110 | 250 | 280 |
| - 9     | 35                           | 110 | 250 | 325 |
| - 10    | 90                           | 180 | 270 |     |
| - 11    | 35                           | 110 | 250 | 325 |
| - A10   | 35                           | 112 | 235 | 315 |
| 18 - 1  | 70                           | 145 | 215 | 290 |
| - 3     | 35                           | 110 | 250 | 325 |
| - 4     | 35                           | 110 | 250 | 325 |
| - 5     | 80                           | 110 | 250 | 280 |
| - 06    |                              | 180 |     |     |
| - 8     | 70                           |     |     | 290 |
| - 9     | 80                           | 110 | 250 | 280 |
| - 10    |                              | 120 | 240 |     |
| - 11    |                              | 170 | 265 |     |
| - 12    | 80                           |     |     | 280 |
| - 13    | 80                           | 110 | 250 | 280 |
| - 14    | 80                           | 110 | 250 | 280 |
| - 19    |                              | 120 | 240 |     |
| - 20    | 90                           | 180 | 270 |     |
| - 22    | 70                           | 145 | 215 | 290 |
| - 29    | 90                           | 180 | 270 |     |
| 20 - 3  | 70                           | 145 | 215 | 290 |
| - 4     | 45                           | 110 | 250 |     |
| - 6     | 70                           | 145 | 215 | 290 |
| - 7     | 80                           | 110 | 250 | 280 |
| - 8     | 80                           | 110 | 250 | 280 |
| - 9     | 80                           | 110 | 250 | 280 |
| - 12    | 80                           | 110 | 250 | 280 |
| - 14    | 80                           | 110 | 250 | 280 |
| - 15    | 80                           |     |     | 280 |
| - 16    | 80                           | 110 | 250 | 280 |
| - 17    | 90                           | 180 | 270 |     |
| - 18    | 35                           | 110 | 250 | 325 |
| - 19    | 90                           | 180 | 270 |     |
| - 20    | 80                           | 110 | 250 | 280 |
| - 21    | 35                           | 110 | 250 | 325 |
| - 22    | 80                           | 110 | 250 | 280 |
| - 23    | 35                           | 110 | 250 | 325 |
| - 24    | 35                           | 110 | 250 | 325 |
| - 27    | 35                           | 110 | 250 | 325 |
| - 29    | 80                           |     |     | 280 |
| - 33    |                              |     |     | 280 |
| - A9    |                              | 110 | 250 |     |

| Arrang.  | degrees $\alpha \pm 2^\circ$ |     |     |     |
|----------|------------------------------|-----|-----|-----|
|          | W                            | X   | Y   | Z   |
| 20 - A48 |                              | 80  | 280 |     |
| 22 - 1   | 35                           | 110 | 250 | 325 |
| - 2      | 70                           | 145 | 215 | 290 |
| - 4      | 35                           | 110 | 250 | 325 |
| - 5      | 35                           | 110 | 250 | 325 |
| - 6      | 80                           | 110 | 250 | 280 |
| - 8      | 35                           | 110 | 250 | 325 |
| - 9      | 70                           | 145 | 215 | 290 |
| - 10     | 35                           | 110 | 250 | 325 |
| - 11     | 35                           | 110 | 250 | 325 |
| - 12     | 80                           | 110 | 250 | 280 |
| - 13     | 35                           | 110 | 250 | 325 |
| - 14     | 80                           | 110 | 250 | 280 |
| - 15     | 80                           | 110 | 250 | 280 |
| - 16     | 80                           | 110 | 250 | 280 |
| - 17     | 80                           | 110 | 250 | 280 |
| - 18     | 80                           | 110 | 250 | 280 |
| - 19     | 80                           | 110 | 250 | 280 |
| - 20     | 35                           | 110 | 250 | 325 |
| - 21     | 80                           | 110 | 250 | 280 |
| - 22     |                              | 110 | 250 |     |
| - 23     | 35                           |     | 250 |     |
| - 24     | 80                           | 110 | 250 | 280 |
| - 27     | 80                           |     | 250 | 280 |
| - 28     | 80                           |     |     | 280 |
| - 33     | 80                           | 110 | 250 | 280 |
| - 34     | 80                           | 110 | 250 | 280 |
| - A10    |                              | 120 | 240 |     |
| - A37    | 80                           | 112 | 250 | 280 |
| 24 - 2   | 80                           |     |     | 280 |
| - 3      | 80                           | 110 | 250 | 280 |
| - 4      | 80                           | 110 | 250 | 280 |
| - 5      | 80                           | 110 | 250 | 280 |
| - 6      | 80                           | 110 | 250 | 280 |
| - 07     | 80                           |     |     | 280 |
| - 7      | 80                           | 110 | 250 | 280 |
| - 9      | 35                           | 110 | 250 | 325 |
| - 10     | 80                           |     |     | 280 |
| - 11     | 35                           | 110 | 250 | 325 |
| - 12     | 80                           | 110 | 250 | 280 |
| - 16     | 80                           | 110 | 250 | 280 |
| - 17     | 80                           | 110 | 250 | 280 |
| - 20     | 80                           | 110 | 250 | 280 |
| - 21     | 80                           | 110 | 250 | 280 |
| - 22     | 45                           | 110 | 250 |     |
| - 27     | 80                           |     |     | 280 |
| - 28     | 80                           | 110 | 250 | 280 |
| - 67     | 80                           |     |     | 335 |
| - A25    | 80                           | 110 | 250 | 280 |
| - A28    | 65                           | 146 | 235 |     |
| 28 - 1   | 80                           | 110 | 250 | 280 |
| - 2      | 35                           | 110 | 250 | 325 |
| - 3      | 70                           | 145 | 215 | 290 |
| - 4      | 80                           | 110 | 250 | 280 |
| - 5      | 35                           | 110 | 250 | 325 |

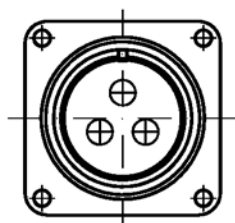
## Alternate positions

| Arrang. | degrees $\alpha \pm 2^\circ$ |     |     |     |
|---------|------------------------------|-----|-----|-----|
|         | W                            | X   | Y   | Z   |
| 28 - 6  | 70                           | 145 | 215 | 290 |
| - 7     | 35                           | 110 | 250 | 325 |
| - 8     | 80                           | 110 | 250 | 280 |
| - 9     | 80                           | 110 | 250 | 280 |
| - 10    | 80                           | 110 | 250 | 280 |
| - 11    | 80                           | 110 | 250 | 280 |
| - 12    | 90                           | 180 | 270 |     |
| - 15    | 80                           | 110 | 250 | 280 |
| - 16    | 80                           | 110 | 250 | 280 |
| - 17    | 80                           | 110 | 250 | 280 |
| - 18    | 70                           | 145 | 215 | 290 |
| - 19    | 80                           | 110 | 250 | 280 |
| - 20    | 80                           | 110 | 250 | 280 |
| - 21    | 80                           | 110 | 250 | 280 |
| - 22    | 70                           | 145 | 215 | 290 |
| - A35   | 80                           | 110 | 250 | 280 |
| - A63   |                              | 100 | 260 |     |
| 32 - 1  | 80                           | 110 | 250 | 280 |
| - 2     | 70                           | 145 | 215 | 290 |
| - 3     | 80                           | 110 | 250 | 280 |
| - 4     | 80                           | 110 | 250 | 280 |
| - 5     | 35                           | 110 | 250 | 325 |
| - 6     | 80                           | 110 | 250 | 280 |
| - 7     | 80                           | 125 | 235 | 280 |
| - 8     | 80                           | 125 | 235 | 280 |
| - 9     | 80                           | 110 | 250 | 280 |
| - 10    | 80                           | 110 | 250 | 280 |
| - 12    | 80                           | 110 | 250 | 280 |
| - 013   | 65                           | 130 | 230 | 295 |
| - 13    | 80                           | 110 | 250 | 280 |
| - 15    | 35                           | 110 | 250 | 280 |
| - 17    | 45                           | 110 | 250 |     |
| - 22    | 80                           | 110 | 250 | 280 |
| -59     | 36                           | 108 | 252 | 324 |
| - 68    | 65                           | 135 | 225 | 275 |
| - 88    | 80                           | 110 | 250 | 280 |
| - A3    | 22                           | 44  |     |     |
| - A25   | 60                           | 120 |     |     |

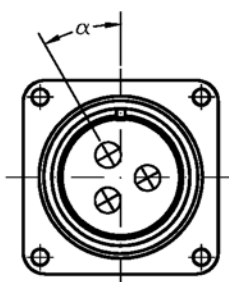
| Arrang.  | degrees $\alpha \pm 2^\circ$ |     |     |     |
|----------|------------------------------|-----|-----|-----|
|          | W                            | X   | Y   | Z   |
| 32 - A27 | 30                           | 115 | 285 | 335 |
| - A48    | 80                           |     |     |     |
| - B22    | 35                           | 110 | 250 | 325 |
| 36 - 1   | 80                           | 110 | 250 | 280 |
| - 3      | 70                           | 145 | 215 | 290 |
| - 4      | 70                           | 145 | 215 | 290 |
| - 5      |                              | 120 | 240 |     |
| - 6      | 35                           | 110 | 250 | 325 |
| - 7      | 80                           | 110 | 250 | 280 |
| - 8      | 80                           | 110 | 250 | 280 |
| - 9      | 80                           | 125 | 235 | 280 |
| - 10     | 80                           | 125 | 235 | 280 |
| - 13     | 80                           | 110 | 250 | 280 |
| - 14     | 90                           | 180 | 270 |     |
| - 15     | 60                           | 125 | 245 | 305 |
| - 22     | 80                           | 110 | 250 | 280 |
| - A51    | 45                           | 135 | 225 | 315 |
| - A72    |                              | 110 |     |     |
| 40 - 1   | 65                           | 130 | 235 | 300 |
| - 9      | 65                           | 125 | 225 | 310 |
| - 10     | 65                           | 125 | 225 | 310 |
| - 26     | 80                           | 110 | 250 | 280 |
| - 31     | 80                           | 110 | 250 | 280 |
| - 35     | 70                           | 130 | 230 | 290 |
| - 47     | 65                           | 125 | 225 | 310 |
| - 53     | 80                           | 110 | 250 | 280 |
| - 56     | 72                           | 144 | 216 | 288 |
| - 62     | 30                           | 130 | 220 | 290 |
| - 63     | 80                           |     |     | 280 |
| - A3     | 70                           | 145 | 215 | 290 |
| - A4     | 50                           | 120 | 240 | 325 |
| - A5     | 33                           |     |     | 270 |
| - A38    | 37                           | 74  | 285 | 322 |
| - A56    | 72                           | 144 | 216 | 288 |
| - A62    | 80                           | 130 | 230 | 280 |
| - A65    | 70                           | 145 | 215 | 285 |
| - B4     | 45                           | 110 |     |     |
| - B19    | 35                           | 105 | 255 | 325 |

## Insert rotation (front view)

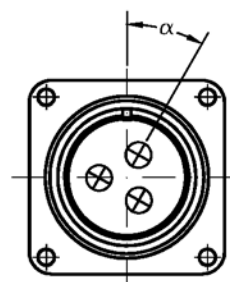
Normal position

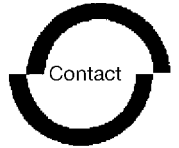


Alternate position  
with socket contacts



Alternate position  
with pin contacts





## Contact arrangement

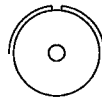
Front view of male insert

### 1 CONTACT

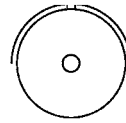
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



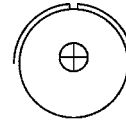
12-5  
12  
A



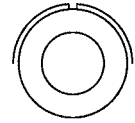
14S-4  
16  
D



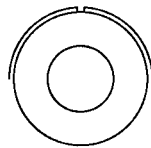
16S-3  
16  
B



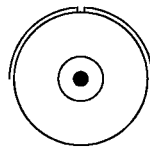
16-2  
12  
E



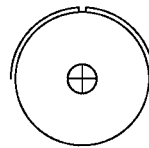
16-12  
4  
A



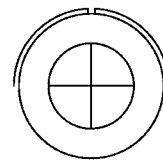
18-6  
4  
D



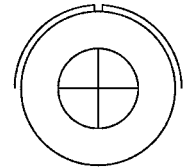
18-7  
8  
B



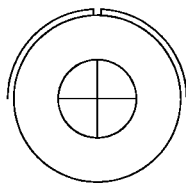
18-16  
12  
C



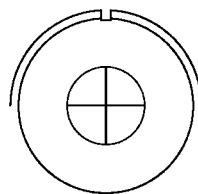
20-2  
0  
D



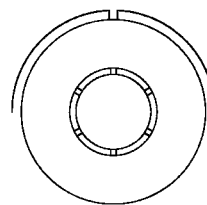
22-7  
0  
E



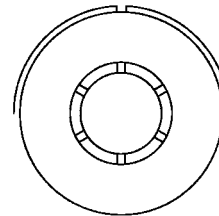
24-A1  
0  
B



28-B1  
0  
B



32-A1  
AWG 4/0  
A



36-01  
AWG 4/0  
C

ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING

### 2 CONTACTS

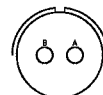
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



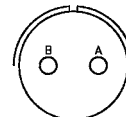
10SL-4  
16  
A



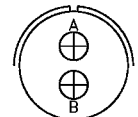
12S-3  
16  
A



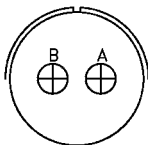
14S-9  
16  
A



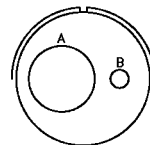
16S-4  
12  
D



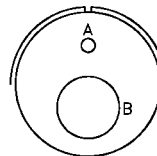
16-11  
12  
A



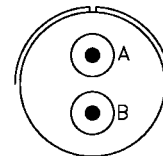
18-3  
12  
D



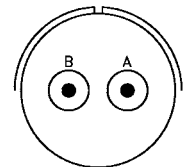
18-14  
1/4, 1/16  
A



20-12  
1/4, 1/16  
A



20-23  
8  
A



22-1  
8  
D

ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING

### CONTACT LEGEND



18



16



12



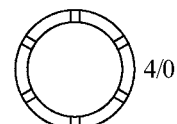
8



4



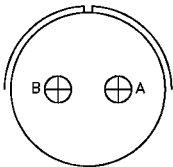
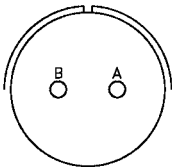
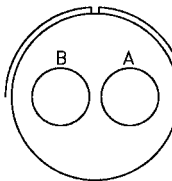
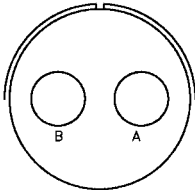
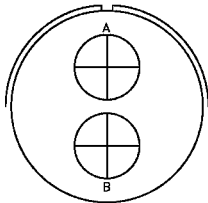
0



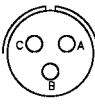
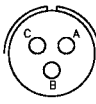
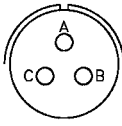
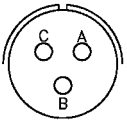
4/0



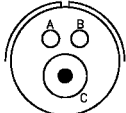
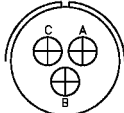
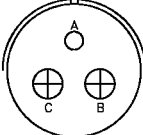
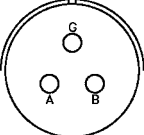
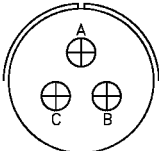
## Contact arrangement

|                |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
|----------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                |  |  |  |  |  |
| ARRANGEMENT    | 22-8                                                                              | 22-11                                                                             | 24-9                                                                              | 28-7                                                                                | 32-5                                                                                |
| CONTACT SIZE   | 12                                                                                | 16                                                                                | 4                                                                                 | 4                                                                                   | 0                                                                                   |
| SERVICE RATING | E                                                                                 | B                                                                                 | A                                                                                 | D                                                                                   | D                                                                                   |

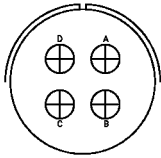
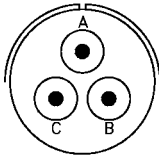
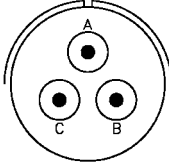
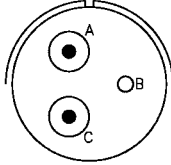
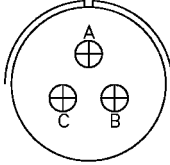
  

|                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
|-------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>3 CONTACTS</b> |  |  |  |  |  |
|                   | 10SL-3                                                                            | 14S-1                                                                             | 14S-7                                                                             | 16S-5                                                                               | 16S-6                                                                               |
|                   | 16                                                                                | 16                                                                                | 16                                                                                | 16                                                                                  | 16                                                                                  |
| ARRANGEMENT       |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| CONTACT SIZE      | A                                                                                 | A                                                                                 | A                                                                                 | A                                                                                   | A                                                                                   |
| SERVICE RATING    |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |

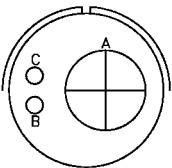
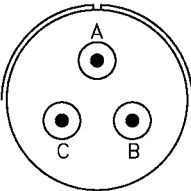
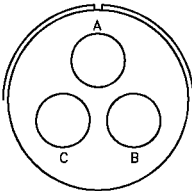
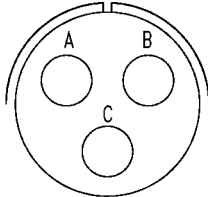
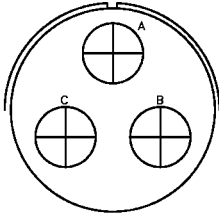
  

|                                                                                    |                                                                                    |                                                                                    |                                                                                      |                                                                                      |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|  |  |  |  |  |
| 16-7                                                                               | 16-10                                                                              | 18-5                                                                               | 18-22                                                                                | 20-3                                                                                 |
| 1/8 , 2/16                                                                         | 12                                                                                 | 2/12 , 1/16                                                                        | 16                                                                                   | 12                                                                                   |
| ARRANGEMENT                                                                        |                                                                                    |                                                                                    |                                                                                      |                                                                                      |
| CONTACT SIZE                                                                       | A                                                                                  | A                                                                                  | D                                                                                    | D                                                                                    |
| SERVICE RATING                                                                     |                                                                                    |                                                                                    |                                                                                      |                                                                                      |

|                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |
| 20-6                                                                                | 20-19                                                                               | 22-2                                                                                | 22-6                                                                                  | 22-9                                                                                  |
| 16                                                                                  | 8                                                                                   | 8                                                                                   | 2/8 , 1 / 16                                                                          | 12                                                                                    |
| ARRANGEMENT                                                                         |                                                                                     |                                                                                     |                                                                                       |                                                                                       |
| CONTACT SIZE                                                                        | D                                                                                   | A                                                                                   | D                                                                                     | E                                                                                     |
| SERVICE RATING                                                                      |                                                                                     |                                                                                     |                                                                                       |                                                                                       |

|                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |
| 22-21                                                                               | 28-3                                                                                | 28-6                                                                                | 32-A3                                                                                 | 36-4                                                                                  |
| 1/0 , 2/16                                                                          | 8                                                                                   | 4                                                                                   | 4                                                                                     | 0                                                                                     |
| ARRANGEMENT                                                                         |                                                                                     |                                                                                     |                                                                                       |                                                                                       |
| CONTACT SIZE                                                                        | A                                                                                   | E                                                                                   | E                                                                                     | A=D ; B,C=A                                                                           |
| SERVICE RATING                                                                      |                                                                                     |                                                                                     |                                                                                       |                                                                                       |

### CONTACT LEGEND

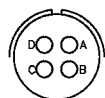




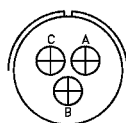
## Contact arrangement

### 4 CONTACTS

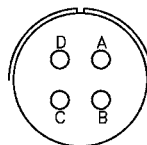
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



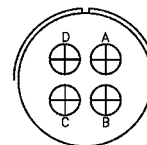
14S-2  
16  
I



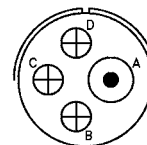
16-9  
2/12 , 2/16  
A



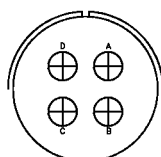
18-4  
16  
D



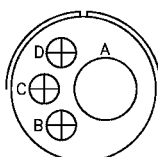
18-10  
12  
A



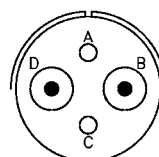
18-13  
1/8 , 3/12  
A



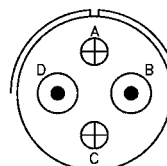
20-4  
12  
D



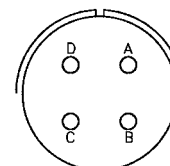
20-20  
1/4 , 3/12  
A



20-24  
2/8 , 2/16  
A

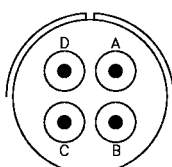


22-4  
2/8 , 2/12  
A

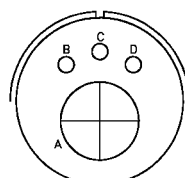


22-10  
16  
E

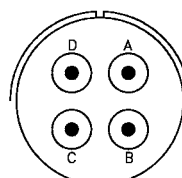
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



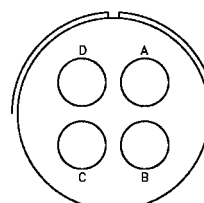
22-22  
8  
A



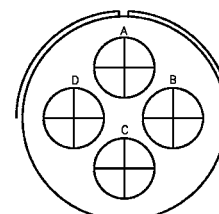
24-4  
1/0 , 3/16  
A



24-22  
8  
D

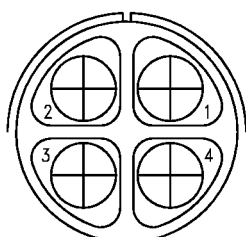


32-17  
4  
D



36-5  
0  
A

ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING

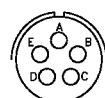


40-B4  
0  
E

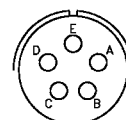
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING

### 5 CONTACTS

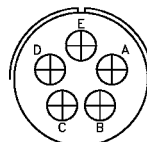
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



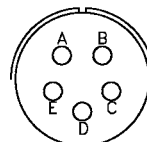
14S-5  
16  
I



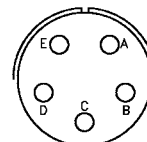
16S-8  
16  
A



18-11  
12  
A



18-20  
16  
A



18-29  
16  
A

CONTACT LEGEND



18



16



12



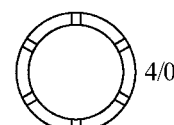
8



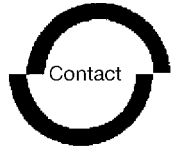
4



0

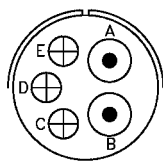


4/0

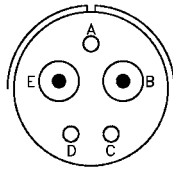


## Contact arrangement

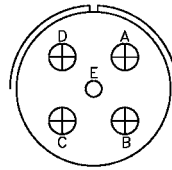
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



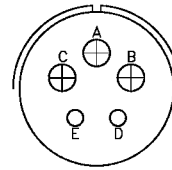
20-14  
2/8 , 3/12  
A



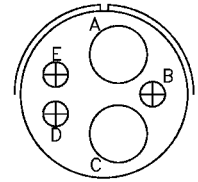
22-12  
2/8 , 3/16  
D



22-13  
4/12 , 1/16  
D

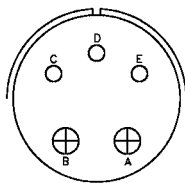


22-34  
3/12 , 2/16  
D

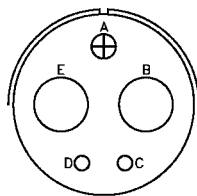


24-12  
2/4 , 3/12  
A

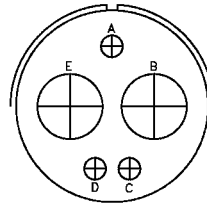
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



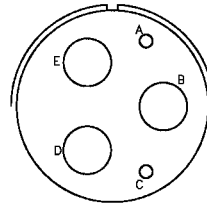
24-17  
2/12 , 3/16  
D



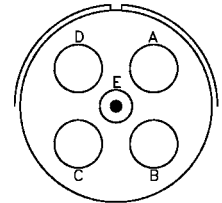
28-5  
2/4 , 1/12 , 2/16  
D



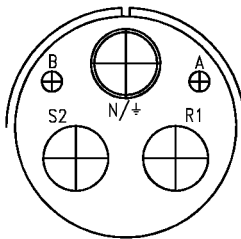
32-1  
2/0 , 3/12  
A=E ; B,C,D,E=D



32-2  
3/4 , 2/16  
E

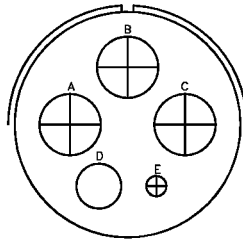


32-79  
4/4 , 1/8  
D



ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING

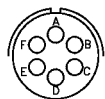
40-A3  
1/0M , 2/0 , 2/12  
A



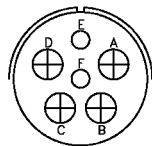
40-A5  
3/0 , 1/4 , 1/12  
A

## 6 CONTACTS

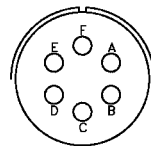
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



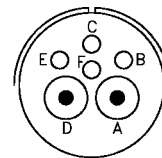
14S-6  
16  
I



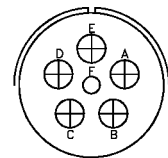
18-06  
4/12 , 2/16  
A



18-12  
16  
A

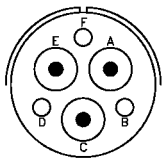


20-8  
2/8 , 4/16  
I

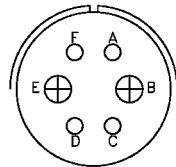


20-17  
5/12 , 1/16  
A

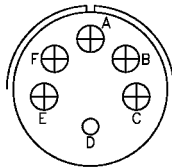
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



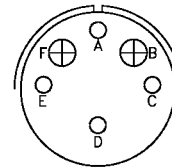
20-22  
3/8 , 3/16  
A



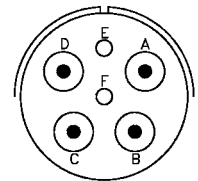
22-5  
2/12 , 4/16  
D



22-15  
5/12 , 1/16  
D=E ; A,B,C,E,F=A



22-24  
2/12 , 4/16  
A,B,F=A ; C,D,E=D



24-06  
4/8 , 2/16  
D

CONTACT LEGEND



18



16



12



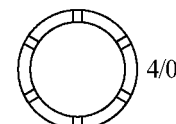
8



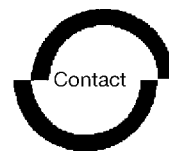
4



0

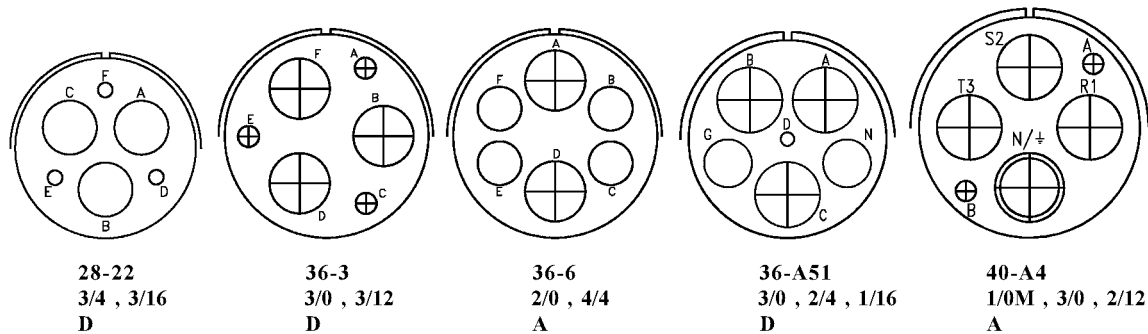


4/0

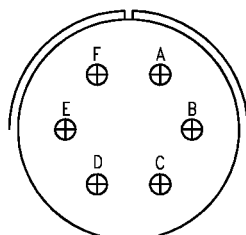


## Contact arrangement

ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING

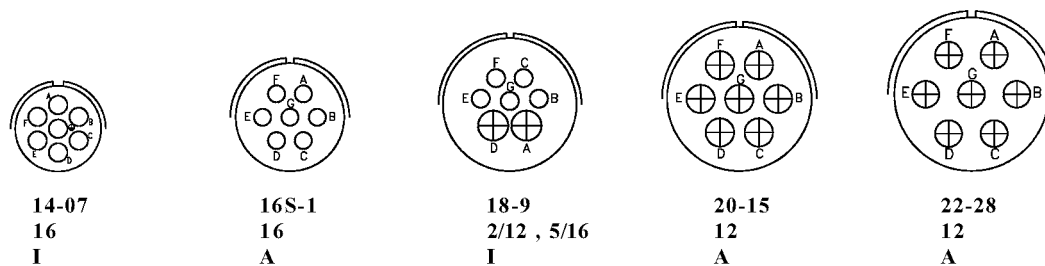


ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING

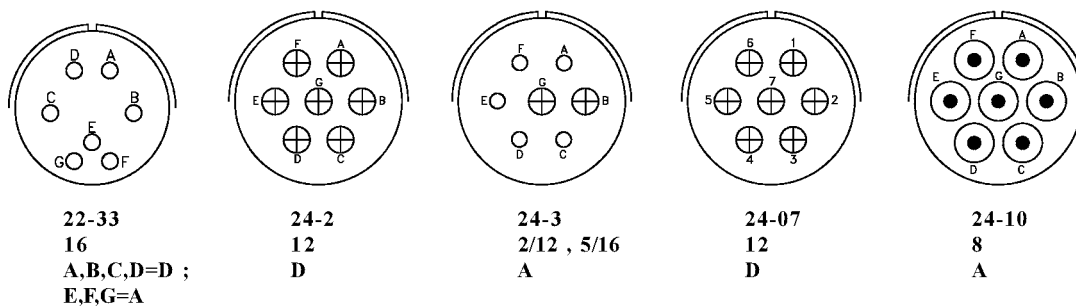


## 7 CONTACTS

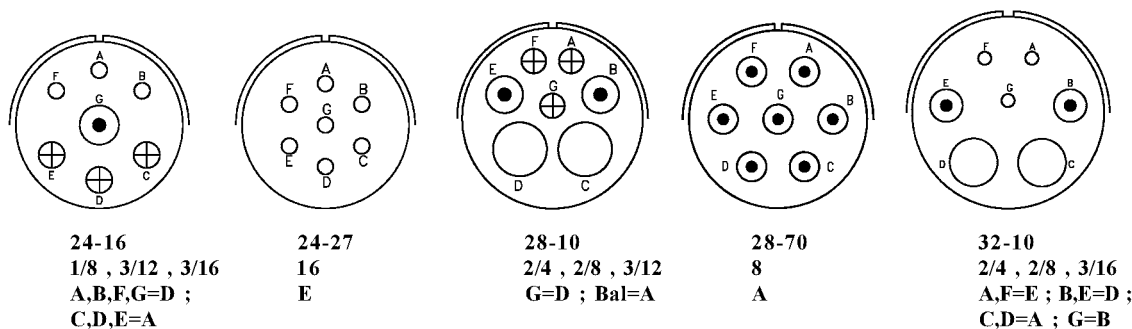
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



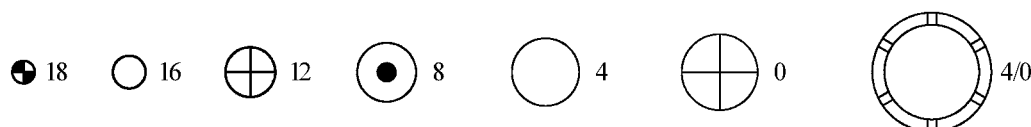
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING

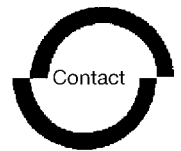


ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



CONTACT LEGEND

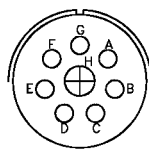




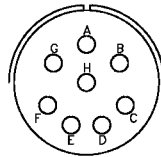
## Contact arrangement

### 8 CONTACTS

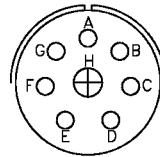
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



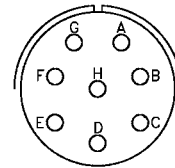
18-8  
1/12 , 7/16  
A



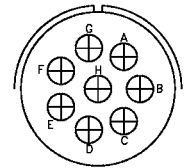
20-7  
16  
A,B,H,G=D ;  
C,D,E,F=A



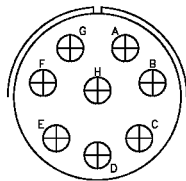
20-9  
1/12 , 7/16  
H=D ; Bal=A



22-18  
16  
A,B,F,G,H=D ;  
C,D,E=A

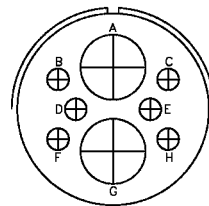


22-23  
12  
H=D ; Bal=A

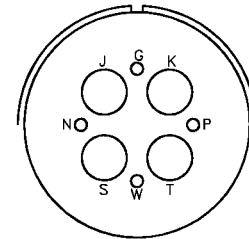


ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING

24-6  
12  
A,G,H=D ; Bal=A



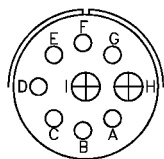
32-15  
2/0 , 6/12  
D



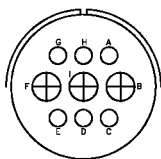
40-A10  
4/4 , 4/16  
D

### 9 CONTACTS

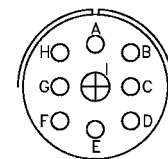
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



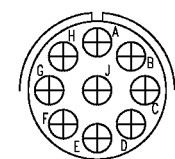
20-16  
2/12 , 7/16  
A



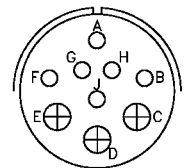
20-18  
3/12 , 6/16  
A



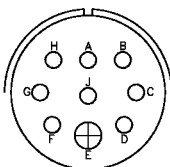
20-21  
1/12 , 8/16  
A



20-A9  
12  
J=D ; Bal=I

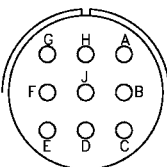


22-16  
3/12 , 6/16  
A

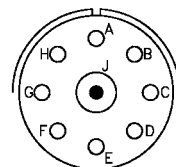


ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING

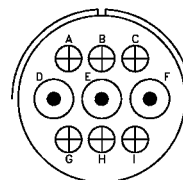
22-17  
1/12 , 8/16  
A=D ; Bal=A



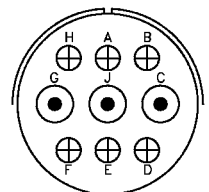
22-20  
16  
A



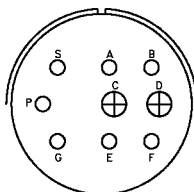
22-27  
1/8 , 8/16  
J=D ; Bal=A



24-11  
3/8 , 6/12  
A

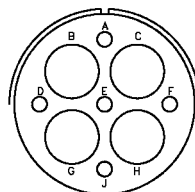


28-1  
3/8 , 6/12  
A,J,E=D ; Bal=A

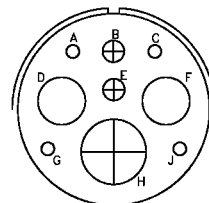


ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING

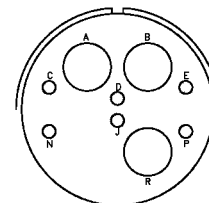
28-4  
2/12 , 7/16  
G,P,S=E ; Bal=D



28-09  
4/4 , 5/16  
A



32-3  
1/0 , 2/4 , 2/12 , 4/16  
D



32-689  
3/4 , 6/16  
A

### CONTACT LEGEND



18



16



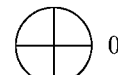
12



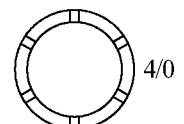
8



4



0

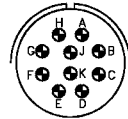


4/0

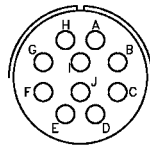
## Contact arrangement

### 10 CONTACTS

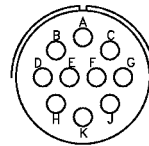
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



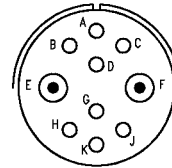
16-A10  
18  
I



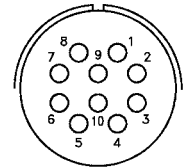
18-1  
16  
B,C,E,G=A ;  
Bal=I



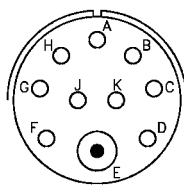
18-19  
16  
A



22-82  
8/16 , 2/8  
A

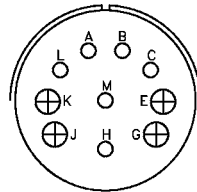


22-A10  
16  
A



ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING

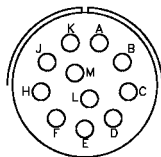
24-21  
1/8 , 9/16  
D



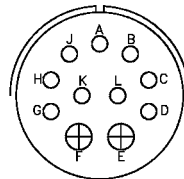
28-19  
4/12 , 6/16  
A,B=D ; K,M=B ; Bal=A

### 11 CONTACTS

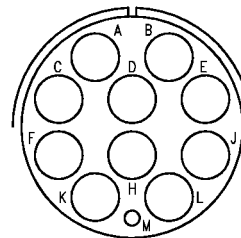
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



20-33  
16  
A



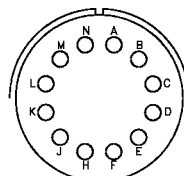
24-20  
2/12 , 9/16  
D



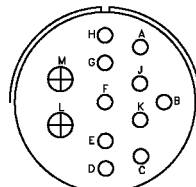
40-67  
10/4 , 1/16  
A

### 12 CONTACTS

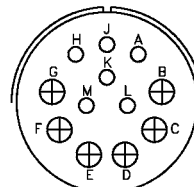
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



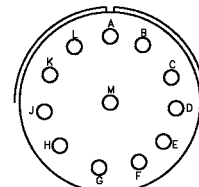
24-19  
16  
A



28-8  
2/12 , 10/16  
B=D ; L,M=E ; Bal=A



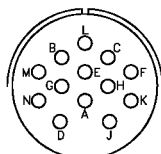
28-9  
6/12 , 6/16  
D



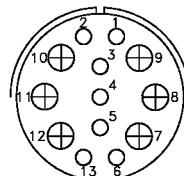
28-18  
16  
A,B=A ; G,H,J,K,L=D ;  
M=C ; Bal=I

### 13 CONTACTS

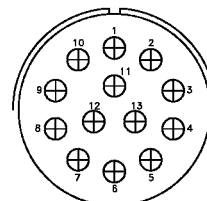
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



20-11  
16  
I



24-013  
6/12 , 7/16  
A



32-013  
12  
D

### CONTACT LEGEND



18



16



12



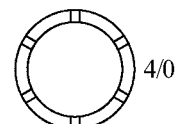
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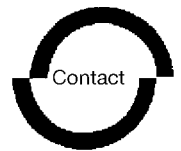
4



0



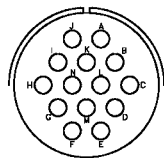
4/0



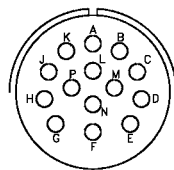
## Contact arrangement

### 14 CONTACTS

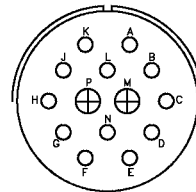
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



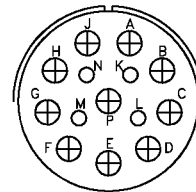
20-27  
16  
A



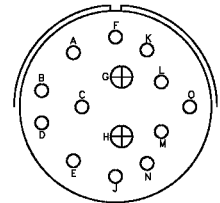
22-19  
16  
A



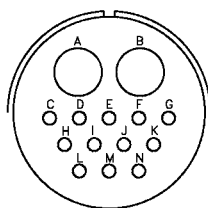
28-2  
2/12, 12/16  
D



28-20  
10/12, 4/16  
A

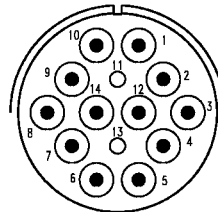


32-4  
2/12, 12/16  
F,J,K,N=A ; Bal=A

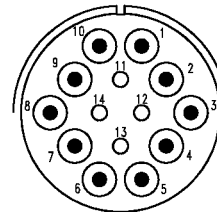


ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING

32-9  
2/4, 12/16  
A



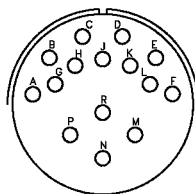
36-B78  
12/8, 2/16  
D



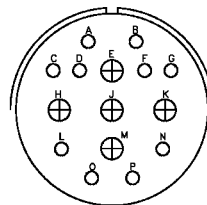
36-D78  
10/8, 4/16  
D

### 15 CONTACTS

ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



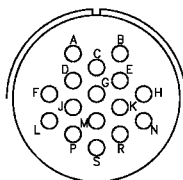
28-17  
16  
M,N,P=D ; R=B ; Bal=A



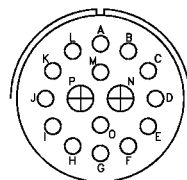
32-12  
5/12, 10/16  
C,D,E,F,G=A ; Bal=D

### 16 CONTACTS

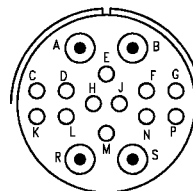
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



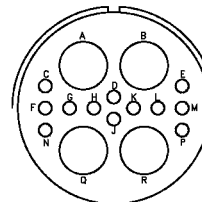
24-5  
16  
A



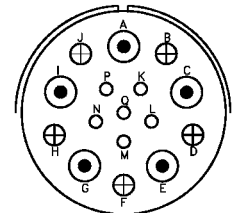
24-7  
2/12, 14/16  
A



28-124  
12/16, 4/8  
A



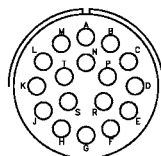
32-68  
4/4, 12/16  
A



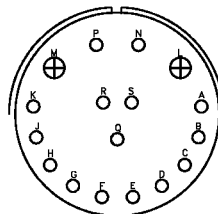
36-14  
5/8, 5/12, 6/16  
D

### 17 CONTACTS

ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



20-29  
16  
A



36-13  
2/12, 15-16  
N,P,Q=E ; Bal=E

CONTACT LEGEND



18



16



12



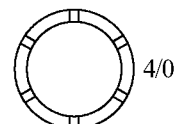
8



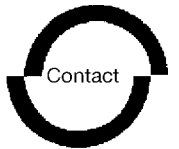
4



0



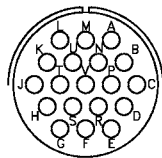
4/0



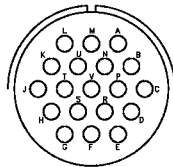
## Contact arrangement

### 19 CONTACTS

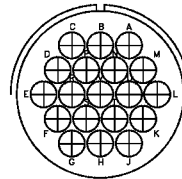
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



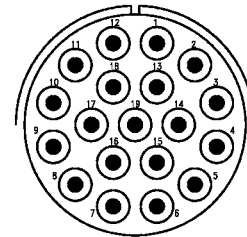
20-A48  
16  
I



22-14  
16  
A



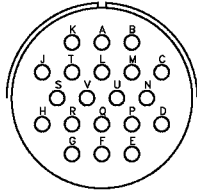
24-67  
12  
A



40-B19  
8  
A

### 20 CONTACTS

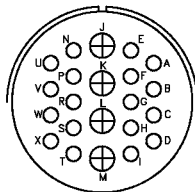
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



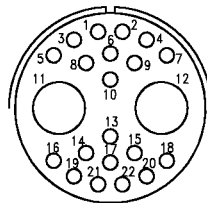
28-16  
16  
A

### 22 CONTACTS

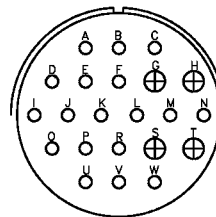
ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING



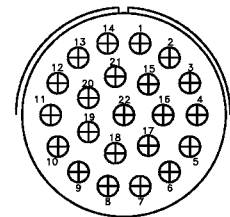
28-11  
4/12 , 18/16  
A



32-B22  
2/4 , 20/16  
A



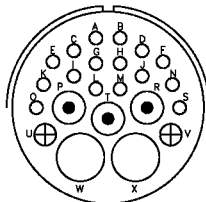
36-1  
4/12 , 18/16  
D



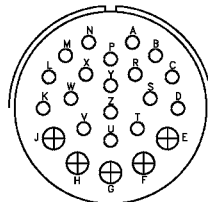
36-22  
12  
D

### 23 CONTACTS

ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING

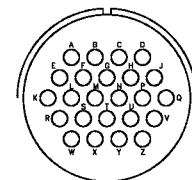


32-6  
2/4 , 3/8 , 2/12 , 16/16  
A



32-13  
5/12 , 18/16  
D

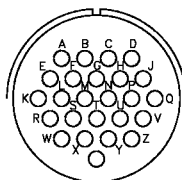
### 24 CONTACTS



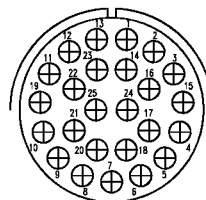
24-28  
16  
I

### 25 CONTACTS

ARRANGEMENT  
CONTACT SIZE  
SERVICE RATING

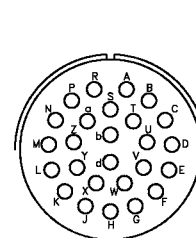


24-A25  
16  
A

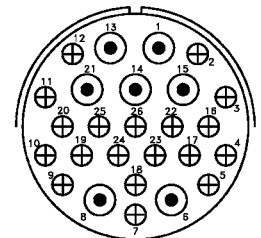


32-A25  
12  
A

### 26 CONTACTS



28-12  
16  
A



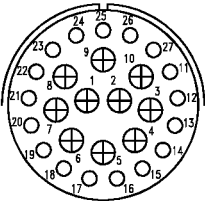
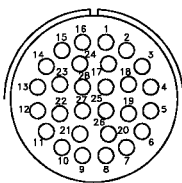
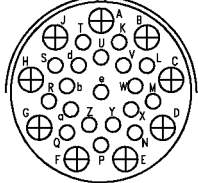
40-26  
7/8 , 19/12  
A

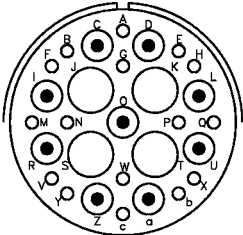
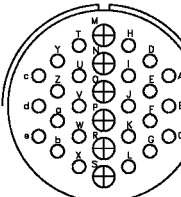
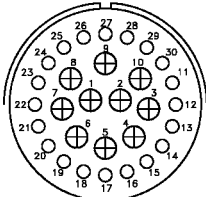
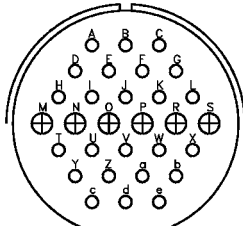
### CONTACT LEGEND

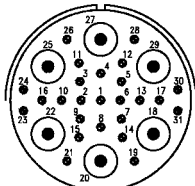
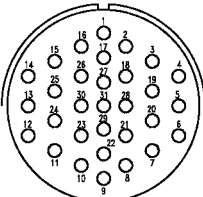
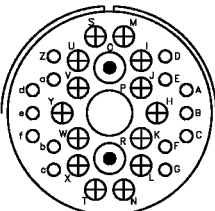
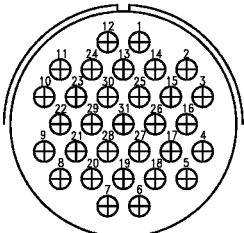


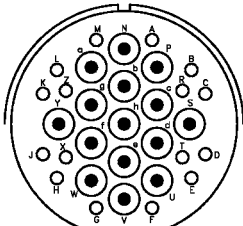
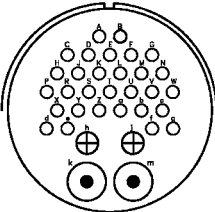


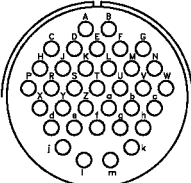
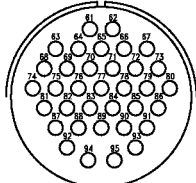
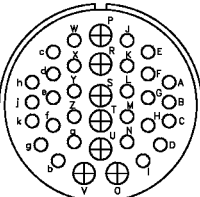
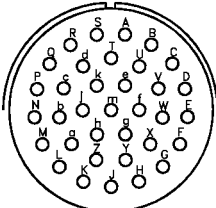
## Contact arrangement

|                                                                                   |                                                                                                                                                                        |                                                  |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
|  |   |                                                  |
| <b>27 CONTACTS</b>                                                                | <b>28 CONTACTS</b>                                                                                                                                                     |                                                  |
| ARRANGEMENT<br>CONTACT SIZE<br>SERVICE RATING                                     | 32-A27<br>10/12 , 17/16<br>A                                                                                                                                           | 24-A28<br>16<br>I<br>28-A63<br>9/12 , 19/16<br>I |

|                                                                                   |                                                                                                                                                                                                                                                            |                                                                                        |  |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--|
|  |    |                                                                                        |  |
| <b>29 CONTACTS</b>                                                                | <b>30 CONTACTS</b>                                                                                                                                                                                                                                         |                                                                                        |  |
| ARRANGEMENT<br>CONTACT SIZE<br>SERVICE RATING                                     | 40-10<br>4/4 , 9/8 , 16/16<br>A                                                                                                                                                                                                                            | 32-8<br>6/12 , 24/16<br>A<br>32-A30<br>10/12 , 20/16<br>A<br>40-1<br>6/12 , 20/16<br>D |  |

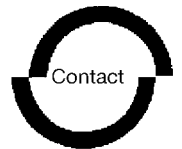
|                                                                                     |                                                                                                                        |                                                                                     |                                                                                      |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|  |                                     |  |  |
| <b>31 CONTACTS</b>                                                                  |                                                                                                                        |                                                                                     |                                                                                      |
| ARRANGEMENT<br>CONTACT SIZE<br>SERVICE RATING                                       | 28-A31<br>6/8 , 25/18<br>A<br>32-31<br>1/4 , 2/8 , 14/12 , 14/16<br>A<br>36-9<br>12<br>A<br>40-31<br>15/8 , 16/16<br>D |                                                                                     |                                                                                      |

|                                                                                     |                                                                                      |  |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--|
|  |  |  |
| <b>32 CONTACTS</b>                                                                  | <b>34 CONTACTS</b>                                                                   |  |
| ARRANGEMENT<br>CONTACT SIZE<br>SERVICE RATING                                       | 36-20<br>2/8 , 2/12 , 30/16<br>A                                                     |  |

|                                                                                     |                                                                                                                  |                                                                                      |                                                                                       |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |                               |  |  |
| <b>35 CONTACTS</b>                                                                  |                                                                                                                  |                                                                                      |                                                                                       |
| ARRANGEMENT<br>CONTACT SIZE<br>SERVICE RATING                                       | 28-15<br>16<br>A<br>28-A35<br>16<br>A<br>32-7<br>7/12 , 28/16<br>A,B,h,j=I ; Bal=A<br>36-15<br>16<br>M=D ; Bal=A |                                                                                      |                                                                                       |

### CONTACT LEGEND





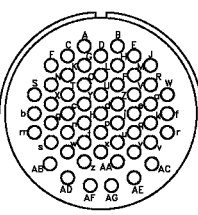
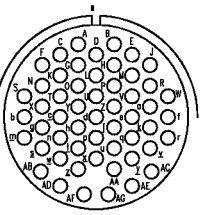
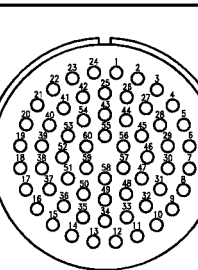
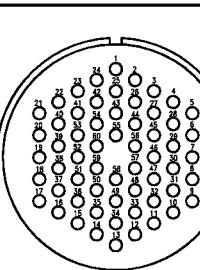
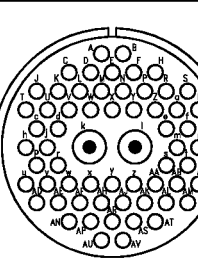
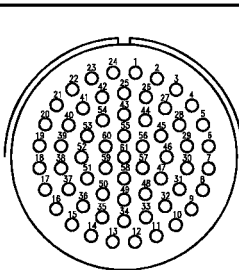
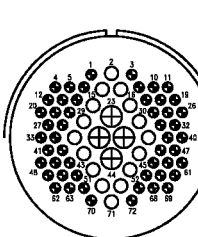
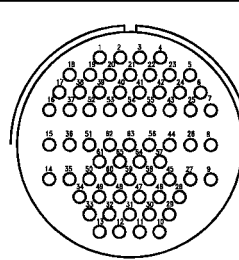
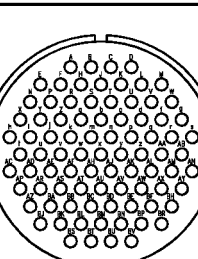
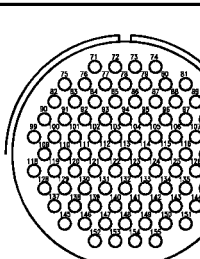
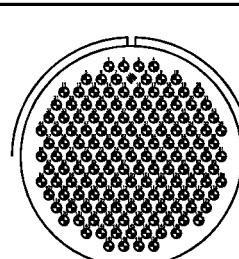
|                                                                           |                                    |                                                                                                                         |
|---------------------------------------------------------------------------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <p>ARRANGEMENT<br/>CONTACT SIZE<br/>SERVICE RATING</p>                    | <p>40-35<br/>12<br/>D</p>          | <p>36-35<br/>4/8 , 32/12<br/>A</p>                                                                                      |
| <p>37 CONTACTS</p> <p>ARRANGEMENT<br/>CONTACT SIZE<br/>SERVICE RATING</p> | <p>22-A37<br/>18<br/>A</p>         | <p>38 CONTACTS</p> <p>40-A38<br/>12<br/>A</p>                                                                           |
| <p>42 CONTACTS</p> <p>ARRANGEMENT<br/>CONTACT SIZE<br/>SERVICE RATING</p> | <p>32-59<br/>2/8 , 40/16<br/>A</p> | <p>44 CONTACTS</p> <p>36-74<br/>1/8 , 43/16<br/>A</p>                                                                   |
| <p>47 CONTACTS</p> <p>ARRANGEMENT<br/>CONTACT SIZE<br/>SERVICE RATING</p> | <p>36-7<br/>7/12 , 40/16<br/>A</p> | <p>36-8<br/>1/12 , 46/16<br/>A</p> <p>40-9<br/>1/8 , 22/12 , 24/16<br/>A</p> <p>40-47<br/>1/8 , 22/12 , 24/16<br/>A</p> |
| <p>48 CONTACTS</p> <p>ARRANGEMENT<br/>CONTACT SIZE<br/>SERVICE RATING</p> | <p>32-A48<br/>16<br/>I</p>         | <p>51 CONTACTS</p> <p>40-951<br/>25/12 , 26/16<br/>A</p>                                                                |

CONTACT LEGEND

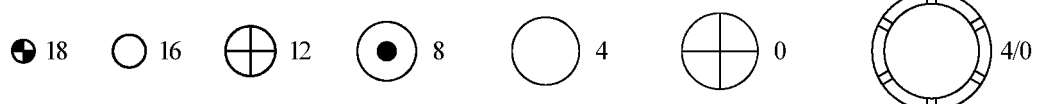




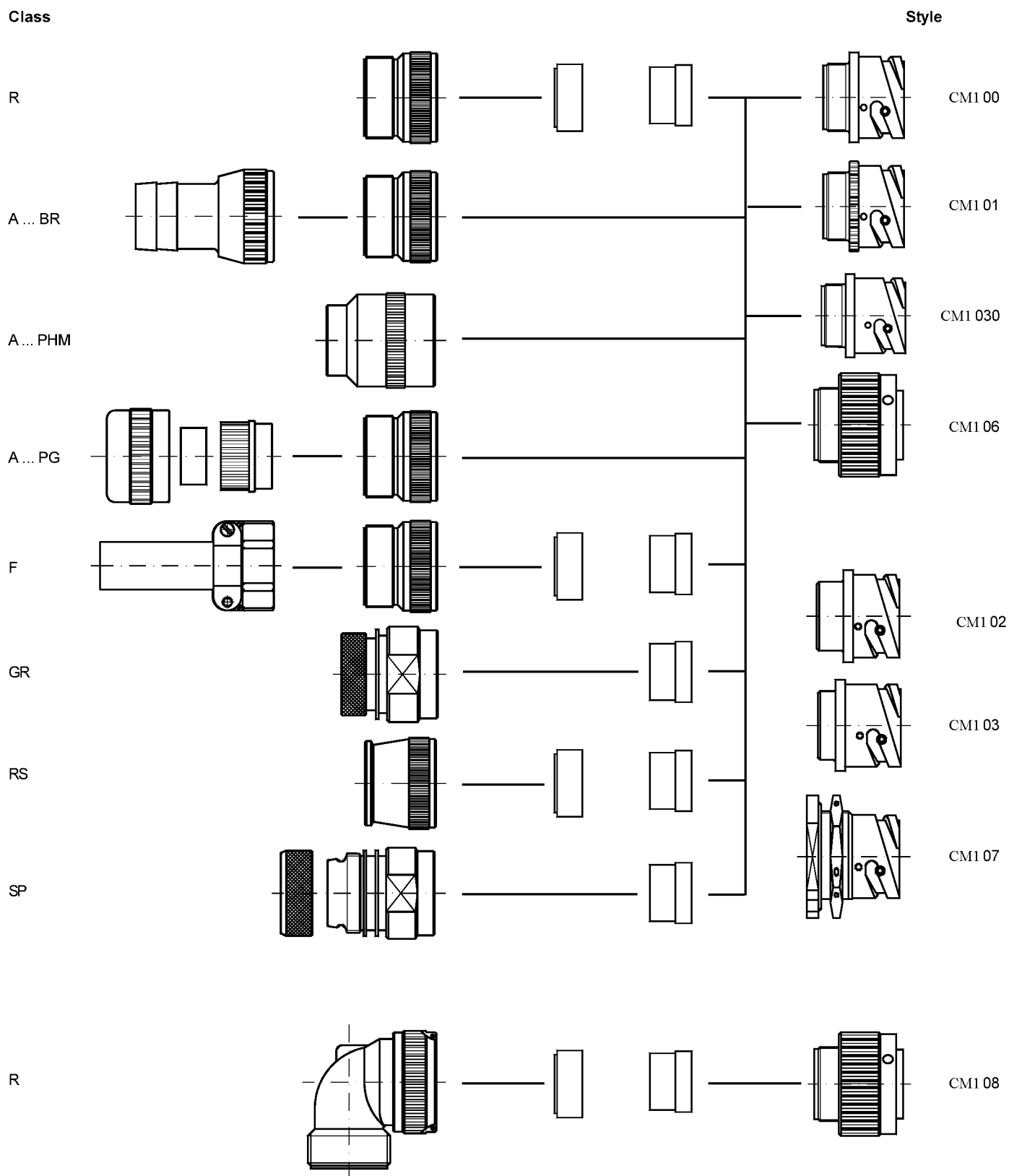
## Contact arrangement

|                                                                                  |                                                                                                                                  |                                                                                                                                           |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>54 CONTACTS</b></p> <p>ARRANGEMENT<br/>CONTACT SIZE<br/>SERVICE RATING</p> |  <p>32-22<br/>16<br/>A</p>                      |  <p>32-88<br/>16<br/>A</p>                               |
| <p><b>60 CONTACTS</b></p> <p>ARRANGEMENT<br/>CONTACT SIZE<br/>SERVICE RATING</p> |  <p>40-53<br/>16<br/>A</p>                      |  <p>40-62<br/>16<br/>A</p>                               |
| <p><b>62 CONTACTS</b></p> <p>ARRANGEMENT<br/>CONTACT SIZE<br/>SERVICE RATING</p> |  <p>40-A62<br/>2/8 , 60/16<br/>A</p>           | <p><b>61 CONTACTS</b></p>  <p>40-63<br/>16<br/>A</p>   |
| <p><b>72 CONTACTS</b></p> <p>ARRANGEMENT<br/>CONTACT SIZE<br/>SERVICE RATING</p> |  <p>36-A72<br/>4/12 , 16/16 , 52/18<br/>I</p> | <p><b>65 CONTACTS</b></p>  <p>40-A65<br/>16<br/>A</p> |
| <p><b>85 CONTACTS</b></p> <p>ARRANGEMENT<br/>CONTACT SIZE<br/>SERVICE RATING</p> |  <p>40-56<br/>16<br/>A</p>                    |  <p>40-A56<br/>16<br/>A</p>                            |
| <p><b>150 CONTACTS</b></p>                                                       |  <p>40-150<br/>18<br/>I</p>                 |                                                                                                                                           |

### CONTACT LEGEND



## Styles & classes



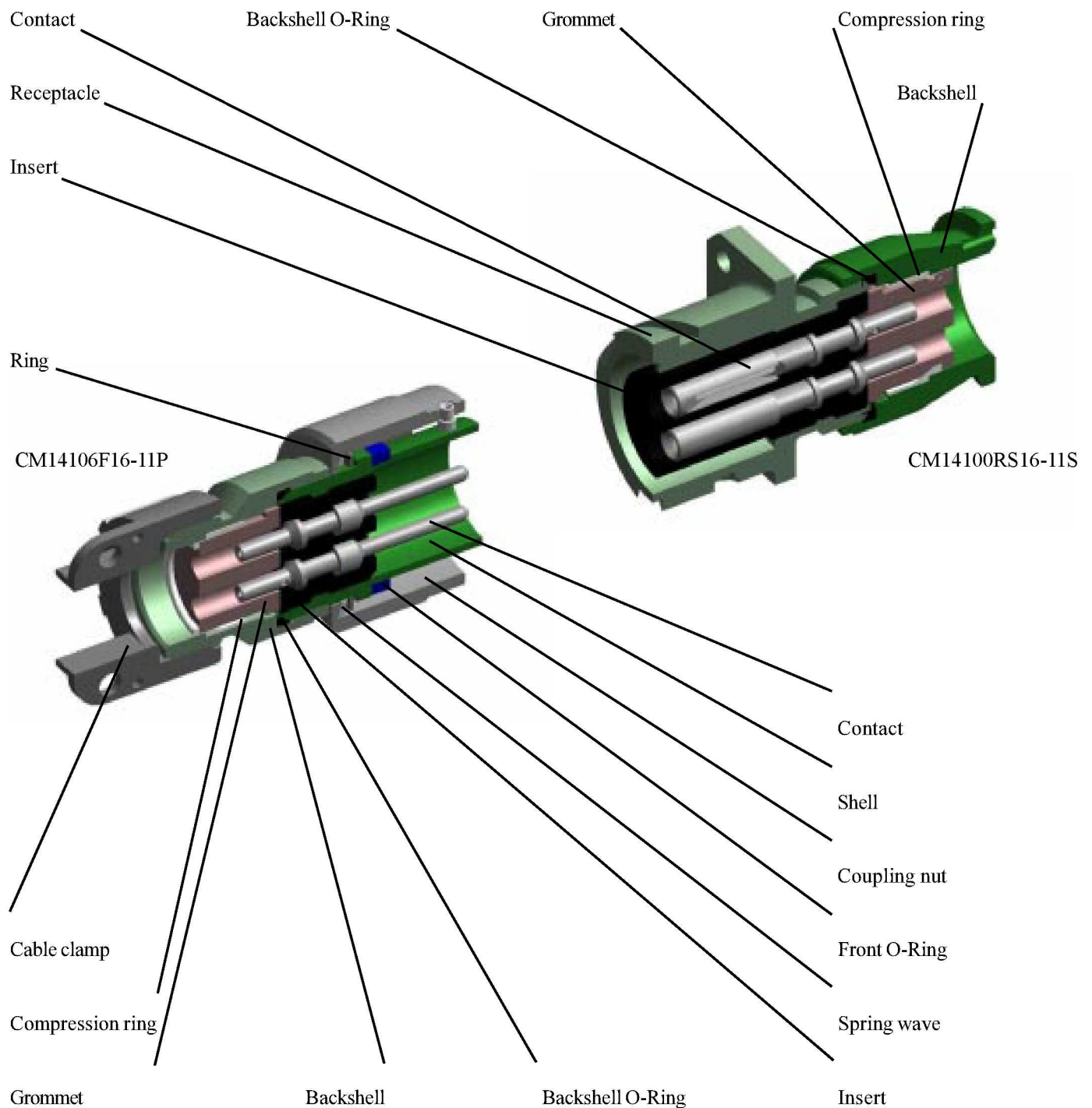
Shell

Grommet

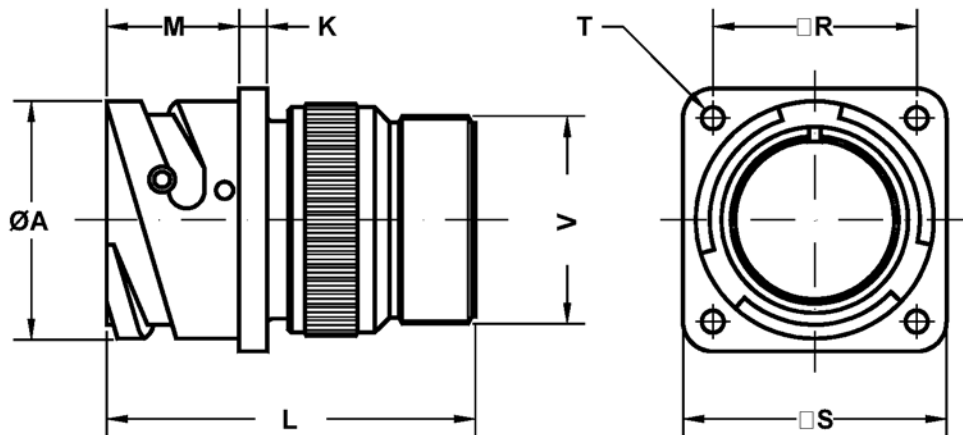
Compression ring Backshell

Cable clamp

## Example of assembled components



**CM13100 A / CM13100 R**  
**CM14100 A / CM14100 R**  
**Wall mounting receptacle**

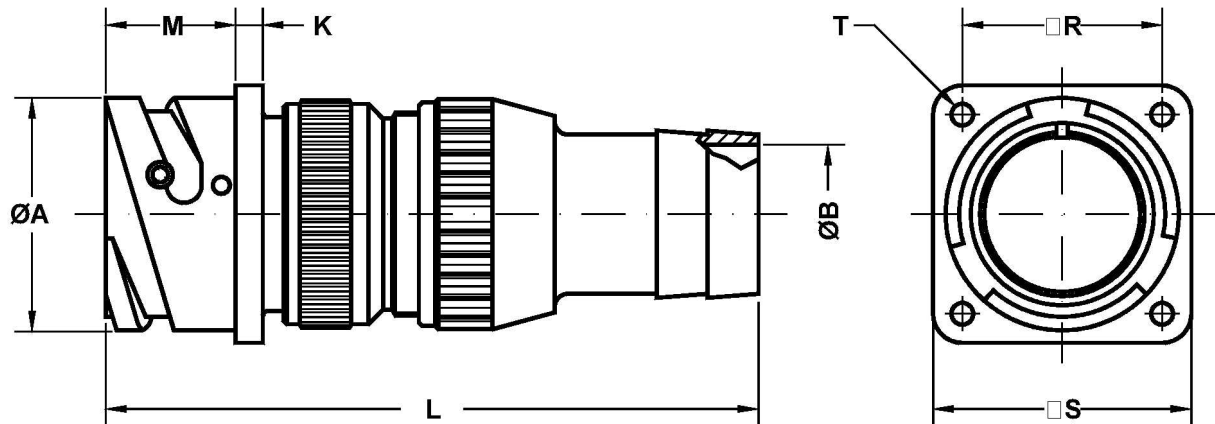


| Shell size | $\varnothing A$<br>+0<br>-0.1 | $K$<br>$\pm 0.2$ | $L$<br>Max. | $M$<br>+0.2<br>-0 | $R$<br>$\pm 0.1$ | $S$<br>+0.2 | $\varnothing T$<br>+0.1<br>-0 | V thread        |
|------------|-------------------------------|------------------|-------------|-------------------|------------------|-------------|-------------------------------|-----------------|
| 10 SL      | 18.2                          | 2.8              | 44.0        | 14.3              | 18.25            | 25.4        | 3.2                           | 0.6250 - 24UNEF |
| 14 S       | 24.5                          | 3.3              | 46.4        | 14.5              | 23.00            | 30.4        | 3.2                           | 0.7500 - 20UNEF |
| 16 S       | 27.2                          | 3.3              | 46.4        | 14.5              | 24.60            | 32.5        | 3.2                           | 0.8750 - 20UNEF |
| 16         | 27.2                          | 3.3              | 57.8        | 19.1              | 24.60            | 32.5        | 3.2                           | 0.8750 - 20UNEF |
| 18         | 30.7                          | 4.0              | 57.8        | 19.1              | 27.00            | 35.0        | 3.2                           | 1.0000 - 20UNEF |
| 20         | 34.0                          | 4.0              | 58.1        | 19.1              | 29.40            | 38.0        | 3.2                           | 1.1875 - 18UNEF |
| 22         | 37.3                          | 4.0              | 58.1        | 19.6              | 31.75            | 41.0        | 3.2                           | 1.1875 - 18UNEF |
| 24         | 40.9                          | 4.0              | 59.7        | 20.6              | 34.90            | 44.5        | 3.7                           | 1.4375 - 18UNEF |
| 28         | 46.7                          | 4.0              | 66.2        | 20.7              | 39.70            | 50.9        | 3.7                           | 1.4375 - 18UNEF |
| 32         | 53.4                          | 4.0              | 71.3        | 22.3              | 44.45            | 57.0        | 4.3                           | 1.7500 - 18UNS  |
| 36         | 59.6                          | 4.0              | 76.8        | 22.3              | 49.20            | 63.5        | 4.3                           | 2.0000 - 18UNS  |
| 40         | 65.5                          | 4.0              | 76.8        | 22.3              | 55.55            | 69.9        | 4.3                           | 2.2500 - 16UN   |

Wall mounting receptacle.  
Includes backshell for cable clamp  
**CM3057-XX A/B/C.**  
No grommet supplied.

CM13100 A ... BR\_\_  
CM14100 A ... BR\_\_

Wall mounting connector

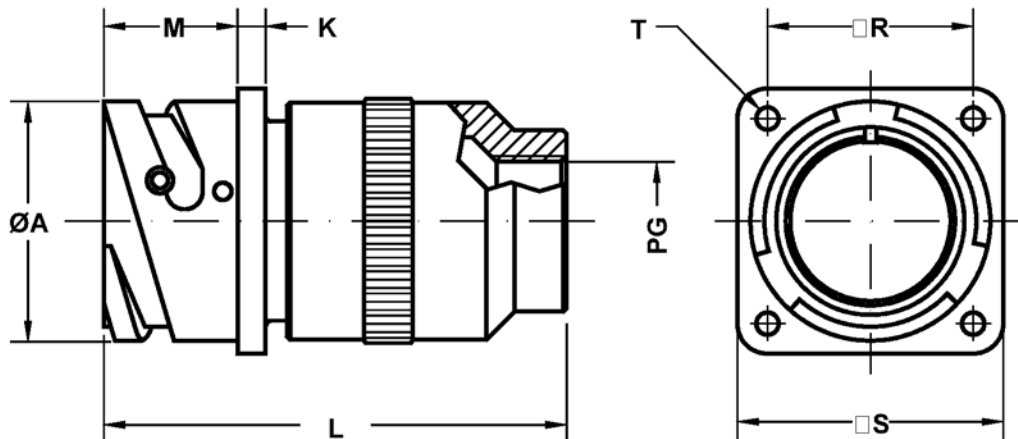


| Shell size | ØA<br>+0<br>-0.1 | ØB<br>±0.1 | K<br>±0.2 | L<br>Max. | M<br>+0.2<br>-0 | R<br>±0.1 | S<br>+0.2 | ØT<br>+0.1<br>-0 |
|------------|------------------|------------|-----------|-----------|-----------------|-----------|-----------|------------------|
| 10 SL      | 18.2             |            | 2.8       | 90.0      | 14.3            | 18.25     | 25.4      | 3.2              |
| 14 S       | 24.5             |            | 3.3       | 91.5      | 14.5            | 23.00     | 30.4      | 3.2              |
| 16 S       | 27.2             |            | 3.3       | 91.5      | 14.5            | 24.60     | 32.5      | 3.2              |
| 16         | 27.2             |            | 3.3       | 103.0     | 19.1            | 24.60     | 32.5      | 3.2              |
| 18         | 30.7             |            | 4.0       | 103.0     | 19.1            | 27.00     | 35.0      | 3.2              |
| 20         | 34.0             |            | 4.0       | 103.0     | 19.1            | 29.40     | 38.0      | 3.2              |
| 22         | 37.3             |            | 4.0       | 103.0     | 19.6            | 31.75     | 41.0      | 3.2              |
| 24         | 40.9             |            | 4.0       | 104.5     | 20.6            | 34.90     | 44.5      | 3.7              |
| 28         | 46.7             |            | 4.0       | 111.0     | 20.7            | 39.70     | 50.9      | 3.7              |
| 32         | 53.4             |            | 4.0       | 116.5     | 22.3            | 44.45     | 57.0      | 4.3              |
| 36         | 59.6             |            | 4.0       | 122.0     | 22.3            | 49.20     | 63.5      | 4.3              |
| 40         | 65.5             |            | 4.0       | 122.0     | 22.3            | 55.55     | 69.9      | 4.3              |

Wall mounting receptacle.  
Includes backshell and termination for  
UNI4883 rubber conduits.  
No grommet supplied.

CM1 3100 A ... PG\_\_  
CM1 4100 A ... PG\_\_

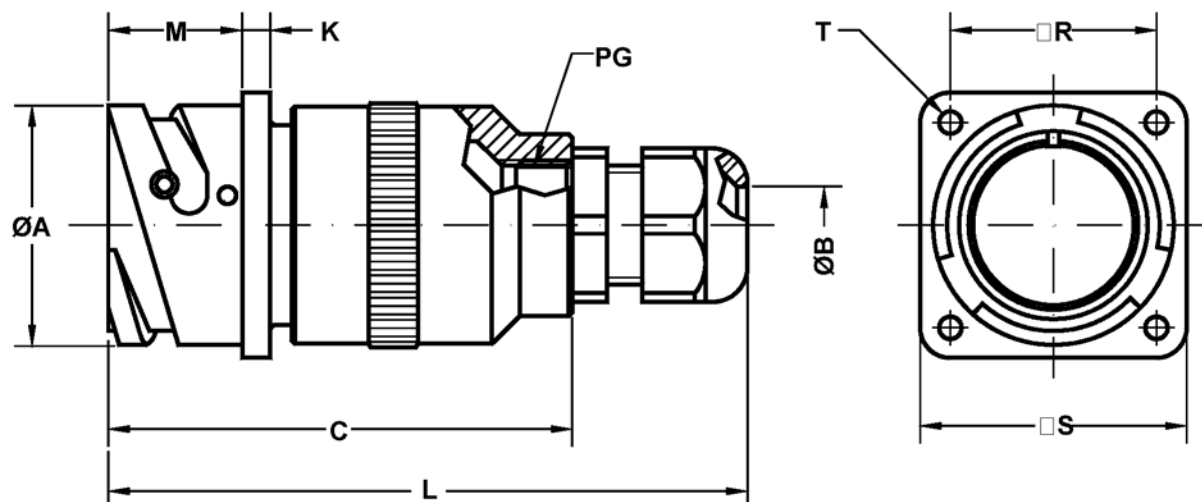
Wall mounting receptacle



| Shell size | ØA<br>+0<br>-0.1 | K<br>±0.2 | L<br>Max. | M<br>+0.2<br>-0 | PG thread           | R<br>±0.1 | S<br>+0.2 | ØT<br>+0.1<br>-0 |
|------------|------------------|-----------|-----------|-----------------|---------------------|-----------|-----------|------------------|
| 10 SL      | 18.2             | 2.8       | 50.0      | 14.3            | 7 / 9 / 11          | 18.25     | 25.4      | 3.2              |
| 14 S       | 24.5             | 3.3       | 52.5      | 14.5            | 11 / 13.5           | 23.00     | 30.4      | 3.2              |
| 16 S       | 27.2             | 3.3       | 52.5      | 14.5            | 9 / 11 / 16         | 24.60     | 32.5      | 3.2              |
| 16         | 27.2             | 3.3       | 61.0      | 19.1            | 9 / 11 / 16         | 24.60     | 32.5      | 3.2              |
| 18         | 30.7             | 4.0       | 66.5      | 19.1            | 9 / 11 / 16 / 21    | 27.00     | 35.0      | 3.2              |
| 20         | 34.0             | 4.0       | 69.5      | 19.1            | 11 / 16 / 21        | 29.40     | 38.0      | 3.2              |
| 22         | 37.3             | 4.0       | 69.5      | 19.6            | 13.5 / 16 / 21      | 31.75     | 41.0      | 3.2              |
| 24         | 40.9             | 4.0       | 71.5      | 20.6            | 13.5 / 16 / 21 / 29 | 34.90     | 44.5      | 3.7              |
| 28         | 46.7             | 4.0       | 76.5      | 20.7            | 16 / 21 / 29        | 39.70     | 50.9      | 3.7              |
| 32         | 53.4             | 4.0       | 82.5      | 22.3            | 21 / 29             | 44.45     | 57.0      | 4.3              |
| 36         | 59.6             | 4.0       | 87.5      | 22.3            | 21 / 29 / 36        | 49.20     | 63.5      | 4.3              |
| 40         | 65.5             | 4.0       | 92.5      | 22.3            | 29 / 36             | 55.55     | 69.9      | 4.3              |

Wall mounting receptacle for use with PG cable glands (not included). Other types of PG adaptors can be supplied in various sizes upon request.  
No grommet supplied.

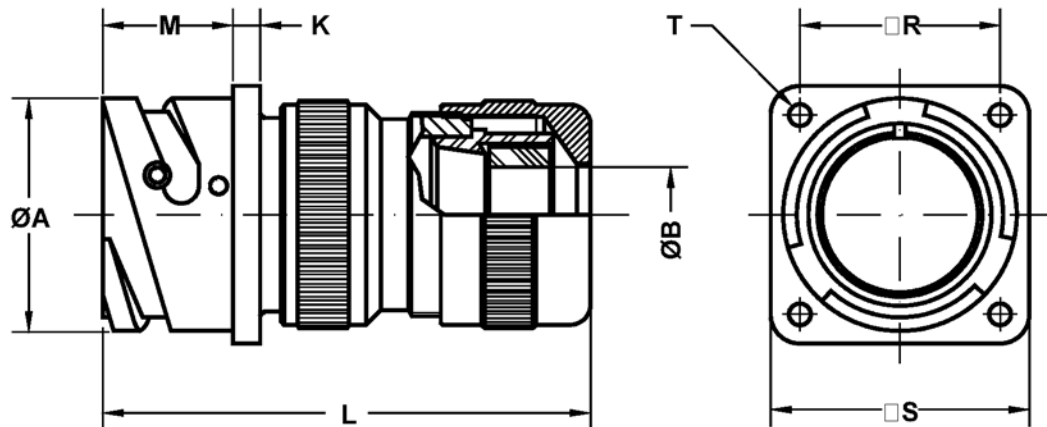
**CM1 3100 A ... PH\_\_**  
**CM1 4100 A ... PH\_\_**  
**Wall mounting connector**



| Shell size | ØA<br>+0<br>-0.1 | ØB<br>min. ÷ Max.           | C<br>Max. | K<br>±0.2 | L<br>Max. | M<br>+0.2<br>-0 | PG thread           | R<br>±0.1 | S<br>+0.2 | ØT<br>+0.1<br>-0 |
|------------|------------------|-----------------------------|-----------|-----------|-----------|-----------------|---------------------|-----------|-----------|------------------|
| 10 SL      | 18.2             | 3÷6.5 / 4÷8 / 5÷10          | 50.0      | 2.8       | 76.0      | 14.3            | 7 / 9 / 11          | 18.25     | 25.4      | 3.2              |
| 14 S       | 24.5             | 5÷10 / 6÷12                 | 52.5      | 3.3       | 81.5      | 14.5            | 11 / 13.5           | 23.00     | 30.4      | 3.2              |
| 16 S       | 27.2             | 4÷8 / 5÷10 / 9÷14           | 52.5      | 3.3       | 83.5      | 14.5            | 9 / 11 / 16         | 24.60     | 32.5      | 3.2              |
| 16         | 27.2             | 4÷8 / 5÷10 / 9÷14           | 61.0      | 3.3       | 92.0      | 19.1            | 9 / 11 / 16         | 24.60     | 32.5      | 3.2              |
| 18         | 30.7             | 4÷8 / 5÷10 / 9÷14 / 13÷18   | 66.5      | 4.0       | 101.5     | 19.1            | 9 / 11 / 16 / 21    | 27.00     | 35.0      | 3.2              |
| 20         | 34.0             | 5÷10 / 9÷14 / 13÷18         | 69.5      | 4.0       | 104.5     | 19.1            | 11 / 16 / 21        | 29.40     | 38.0      | 3.2              |
| 22         | 37.3             | 6÷12 / 9÷14 / 13÷18         | 69.5      | 4.0       | 104.5     | 19.6            | 13.5 / 16 / 21      | 31.75     | 41.0      | 3.2              |
| 24         | 40.9             | 6÷12 / 9÷14 / 13÷18 / 15÷25 | 71.5      | 4.0       | 110.5     | 20.6            | 13.5 / 16 / 21 / 29 | 34.90     | 44.5      | 3.7              |
| 28         | 46.7             | 9÷14 / 13÷18 / 15÷25        | 76.5      | 4.0       | 115.5     | 20.7            | 16 / 21 / 29        | 39.70     | 50.9      | 3.7              |
| 32         | 53.4             | 13÷18 / 15÷25               | 82.5      | 4.0       | 121.5     | 22.3            | 21 / 29             | 44.45     | 57.0      | 4.3              |
| 36         | 59.6             | 13÷18 / 15÷25 / 20÷32       | 87.5      | 4.0       | 136.5     | 22.3            | 21 / 29 / 36        | 49.20     | 63.5      | 4.3              |
| 40         | 65.5             | 15÷25 / 20÷32               | 92.5      | 4.0       | 141.5     | 22.3            | 29 / 36             | 55.55     | 69.9      | 4.3              |

Wall mounting receptacle with adaptor and plastic PG cable gland.  
 Other types of PG adaptors can be supplied in various sizes upon request.  
 No grommet supplied.

**CM1 3100 A ... PHM\_\_**  
**CM1 4100 A ... PHM\_\_**  
**Wall mounting receptacle**



| Shell size | P.N. PHM     | ØA<br>+0<br>-0.1 | ØB<br>min. ÷ Max.      | K<br>±0.2 | L<br>Max. | M<br>+0.2<br>-0 | R<br>±0.1 | S<br>+0.2 | ØT<br>+0.1<br>-0 |
|------------|--------------|------------------|------------------------|-----------|-----------|-----------------|-----------|-----------|------------------|
| 10 SL      | 11           | 18.2             | 2÷11                   | 2.8       | 60        | 14.3            | 18.25     | 25.4      | 3.2              |
| 14 S       | 11           | 24.5             | 2÷11                   | 3.3       | 60        | 14.5            | 23.00     | 30.4      | 3.2              |
| 16 S       | 11           | 27.2             | 2÷11                   | 3.3       | 60        | 14.5            | 24.60     | 32.5      | 3.2              |
| 16         | 11           | 27.2             | 2÷11                   | 3.3       | 70        | 19.1            | 24.60     | 32.5      | 3.2              |
| 18         | 11 / 18      | 30.7             | 2÷11 / 2÷16.5          | 4.0       | 70        | 19.1            | 27.00     | 35.0      | 3.2              |
| 20         | 11 / 18      | 34.0             | 2÷11 / 2÷16.5          | 4.0       | 70        | 19.1            | 29.40     | 38.0      | 3.2              |
| 22         | 18           | 37.3             | 2÷16.5                 | 4.0       | 70        | 19.6            | 31.75     | 41.0      | 3.2              |
| 24         | 18 / 22 / 24 | 40.9             | 2÷16.5 / 15÷20 / 19÷24 | 4.0       | 80        | 20.6            | 34.90     | 44.5      | 3.7              |
| 28         | 18 / 22 / 24 | 46.7             | 2÷16.5 / 15÷20 / 19÷24 | 4.0       | 80        | 20.7            | 39.70     | 50.9      | 3.7              |
| 32         | 22 / 24      | 53.4             | 15÷20 / 19÷24          | 4.0       | 80        | 22.3            | 44.45     | 57.0      | 4.3              |
| 36         | 35           | 59.6             | 23÷35                  | 4.0       | 95        | 22.3            | 49.20     | 63.5      | 4.3              |
| 40         | 35           | 65.5             | 23÷35                  | 4.0       | 95        | 22.3            | 55.55     | 69.9      | 4.3              |

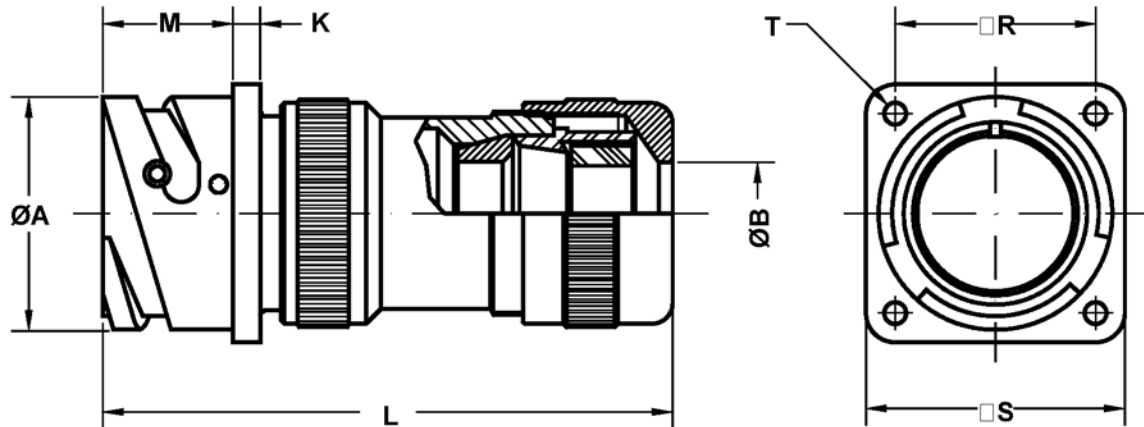
Wall mounting receptacle.

Includes a PHM cable clamp that assures an excellent mechanical and waterproof seal if used with the correct neoprene sealing sleeves.

No grommet supplied.

CM1 3100 A ... PHM\_\_ EMI  
CM1 4100 A ... PHM\_\_ EMI

Wall mounting connector



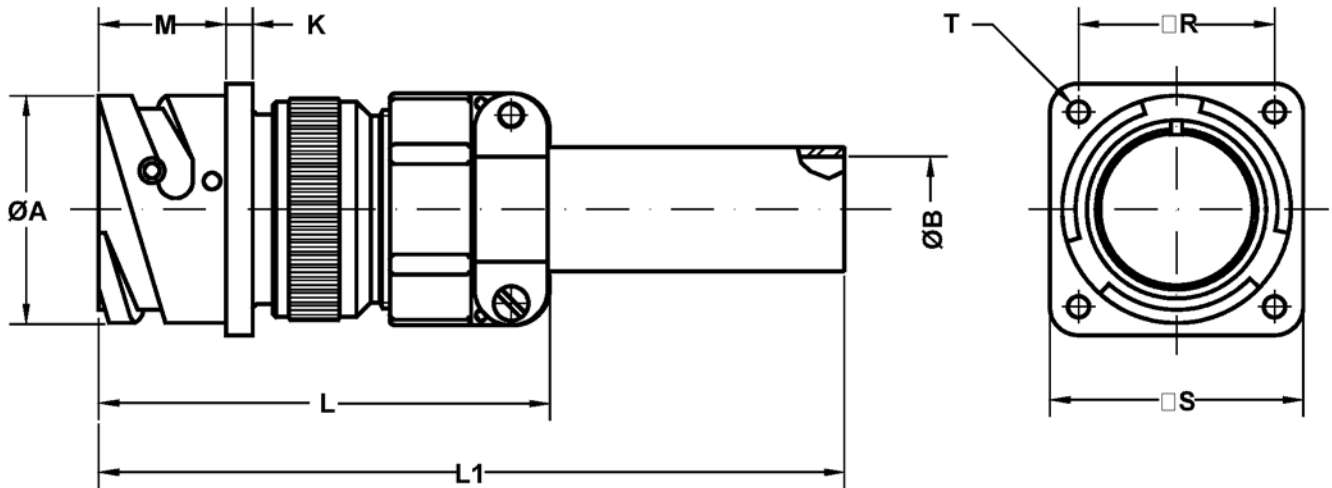
| Shell size | P.N. PHM     | ØA<br>+0<br>-0.1 | ØB<br>min. ÷ Max.      | K<br>±0.2 | L<br>Max. | M<br>+0.2<br>-0 | R<br>±0.1 | S<br>+0.2 | ØT<br>+0.1<br>-0 |
|------------|--------------|------------------|------------------------|-----------|-----------|-----------------|-----------|-----------|------------------|
| 10 SL      | 11           | 18.2             | 2÷11                   | 2.8       | 70        | 14.3            | 18.25     | 25.4      | 3.2              |
| 14 S       | 11           | 24.5             | 2÷11                   | 3.3       | 70        | 14.5            | 23.00     | 30.4      | 3.2              |
| 16 S       | 11           | 27.2             | 2÷11                   | 3.3       | 70        | 14.5            | 24.60     | 32.5      | 3.2              |
| 16         | 11           | 27.2             | 2÷11                   | 3.3       | 80        | 19.1            | 24.60     | 32.5      | 3.2              |
| 18         | 11 / 18      | 30.7             | 2÷11 / 2÷16.5          | 4.0       | 80        | 19.1            | 27.00     | 35.0      | 3.2              |
| 20         | 11 / 18      | 34.0             | 2÷11 / 2÷16.5          | 4.0       | 80        | 19.1            | 29.40     | 38.0      | 3.2              |
| 22         | 18           | 37.3             | 2÷16.5                 | 4.0       | 80        | 19.6            | 31.75     | 41.0      | 3.2              |
| 24         | 18 / 22 / 24 | 40.9             | 2÷16.5 / 15÷20 / 19÷24 | 4.0       | 90        | 20.6            | 34.90     | 44.5      | 3.7              |
| 28         | 18 / 22 / 24 | 46.7             | 2÷16.5 / 15÷20 / 19÷24 | 4.0       | 90        | 20.7            | 39.70     | 50.9      | 3.7              |
| 32         | 22 / 24      | 53.4             | 15÷20 / 19÷24          | 4.0       | 90        | 22.3            | 44.45     | 57.0      | 4.3              |
| 36         | 35           | 59.6             | 23÷35                  | 4.0       | 105       | 22.3            | 49.20     | 63.5      | 4.3              |
| 40         | 35           | 65.5             | 23÷35                  | 4.0       | 105       | 22.3            | 55.55     | 69.9      | 4.3              |

Wall mounting receptacle.

Includes a PHM cable clamp that assures an excellent mechanical and waterproof seal with multipolar shielded cables if used with the correct neoprene sealing sleeves.

No grommet supplied.

**CM1 3100 F**  
**CM1 4100 F**  
**Wall mounting receptacle**

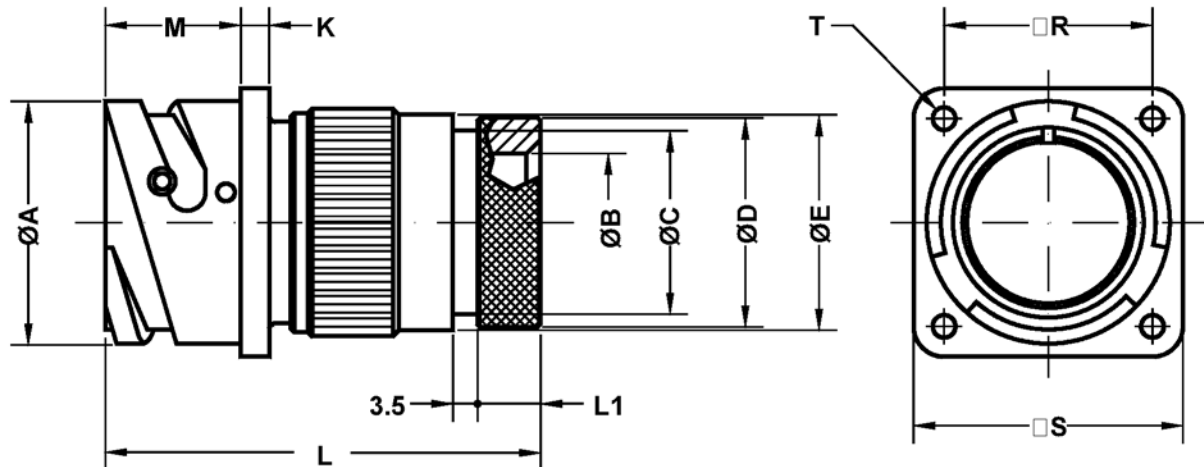


| Shell size | ØA<br>+0<br>-0.1 | ØB<br>±0.1 | K<br>±0.2 | L<br>Max. | L1<br>Max. | M<br>+0.2<br>-0 | R<br>±0.1 | S<br>+0.2 | ØT<br>+0.1<br>-0 |
|------------|------------------|------------|-----------|-----------|------------|-----------------|-----------|-----------|------------------|
| 10 SL      | 18.2             | 5.58       | 2.8       | 55.0      | 125        | 14.3            | 18.25     | 25.4      | 3.2              |
| 14 S       | 24.5             | 7.92       | 3.3       | 58.4      | 125        | 14.5            | 23.00     | 30.4      | 3.2              |
| 16 S       | 27.2             | 11.09      | 3.3       | 60.4      | 125        | 14.5            | 24.60     | 32.5      | 3.2              |
| 16         | 27.2             | 11.09      | 3.3       | 71.8      | 135        | 19.1            | 24.60     | 32.5      | 3.2              |
| 18         | 30.7             | 14.27      | 4.0       | 77.8      | 140        | 19.1            | 27.00     | 35.0      | 3.2              |
| 20         | 34.0             | 15.87      | 4.0       | 74.0      | 130        | 19.1            | 29.40     | 38.0      | 3.2              |
| 22         | 37.3             | 15.87      | 4.0       | 74.0      | 130        | 19.6            | 31.75     | 41.0      | 3.2              |
| 24         | 40.9             | 19.05      | 4.0       | 76.7      | 130        | 20.6            | 34.90     | 44.5      | 3.7              |
| 28         | 46.7             | 19.05      | 4.0       | 83.2      | 135        | 20.7            | 39.70     | 50.9      | 3.7              |
| 32         | 53.4             | 23.79      | 4.0       | 90.3      | 140        | 22.3            | 44.45     | 57.0      | 4.3              |
| 36         | 59.6             | 31.75      | 4.0       | 96.8      | 145        | 22.3            | 49.20     | 63.5      | 4.3              |
| 40         | 65.5             | 34.92      | 4.0       | 115.8     | 160        | 22.3            | 55.55     | 69.9      | 4.3              |

Wall mounting receptacle.  
Includes insulating grommet, backshell, class  
A cable clamp **CM3057** and neoprene sleeve.

CM13100 G  
CM14100 G

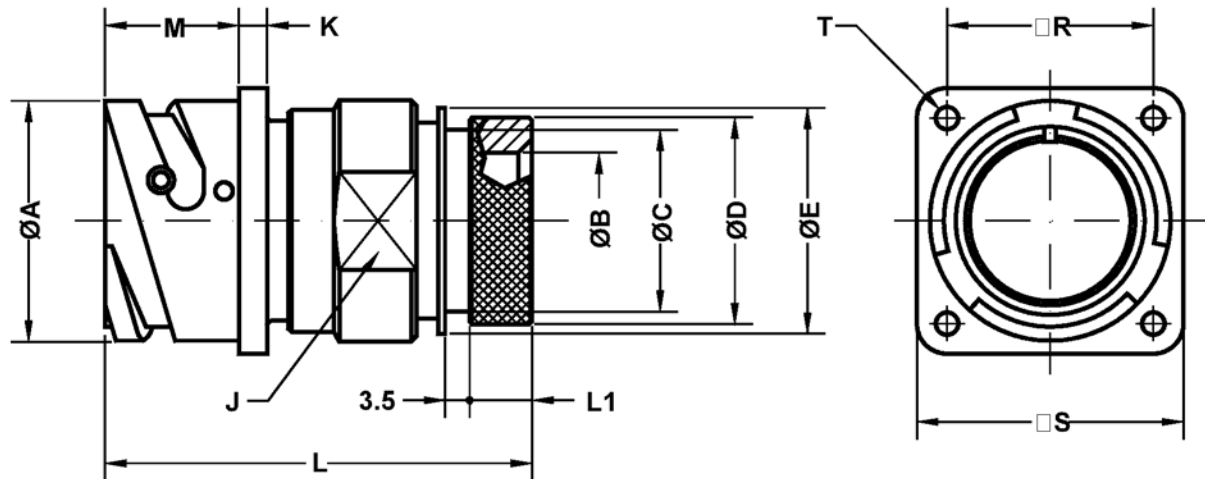
Wall mounting connector



| Shell size | ØA<br>+0<br>-0.1 | ØB<br>min. | ØC<br>±0.1 | ØD<br>±0.2 | ØE<br>±0.2 | K<br>±0.2 | L<br>Max. | L1<br>Max. | M<br>+0.2<br>-0 | R<br>±0.1 | S<br>+0.2 | ØT<br>+0.1<br>-0 |
|------------|------------------|------------|------------|------------|------------|-----------|-----------|------------|-----------------|-----------|-----------|------------------|
| 10 SL      | 18.2             | 8.5        | 13.0       | 15.5       | 17.0       | 2.8       | 52.7      | 8.2        | 14.3            | 18.25     | 25.4      | 3.2              |
| 14 S       | 24.5             | 12.0       | 16.5       | 19.1       | 20.1       | 3.3       | 53.4      | 8.2        | 14.5            | 23.00     | 30.4      | 3.2              |
| 16 S       | 27.2             | 14.5       | 21.5       | 23.9       | 23.5       | 3.3       | 53.4      | 8.2        | 14.5            | 24.60     | 32.5      | 3.2              |
| 16         | 27.2             | 14.5       | 21.5       | 23.9       | 23.5       | 3.3       | 65.8      | 8.0        | 19.1            | 24.60     | 32.5      | 3.2              |
| 18         | 30.7             | 17.5       | 21.7       | 23.9       | 26.5       | 4.0       | 65.8      | 8.0        | 19.1            | 27.00     | 35.0      | 3.2              |
| 20         | 34.0             | 19.5       | 26.0       | 29.6       | 30.5       | 4.0       | 66.1      | 8.9        | 19.1            | 29.40     | 38.0      | 3.2              |
| 22         | 37.3             | 22.0       | 26.0       | 29.6       | 33.6       | 4.0       | 66.1      | 8.9        | 19.6            | 31.75     | 41.0      | 3.2              |
| 24         | 40.9             | 25.0       | 34.5       | 37.8       | 36.1       | 4.0       | 65.7      | 9.2        | 20.6            | 34.90     | 44.5      | 3.7              |
| 28         | 46.7             | 29.0       | 34.5       | 37.8       | 41.4       | 4.0       | 66.2      | 9.2        | 20.7            | 39.70     | 50.9      | 3.7              |
| 32         | 53.4             | 34.0       | 43.6       | 47.8       | 48.6       | 4.0       | 73.8      | 11.7       | 22.3            | 44.45     | 57.0      | 4.3              |
| 36         | 59.6             | 38.5       | 43.6       | 47.8       | 54.8       | 4.0       | 83.8      | 11.7       | 22.3            | 49.20     | 63.5      | 4.3              |
| 40         | 65.5             | 48.0       | 52.6       | 57.8       | 60.9       | 4.0       | 83.8      | 11.7       | 22.3            | 55.55     | 69.9      | 4.3              |

Wall mounting receptacle.  
Includes wire sealing grommet and backshell  
for heat shrink tubing.

**CM1 3100 GR  
CM1 4100 GR**  
**Wall mounting receptacle**



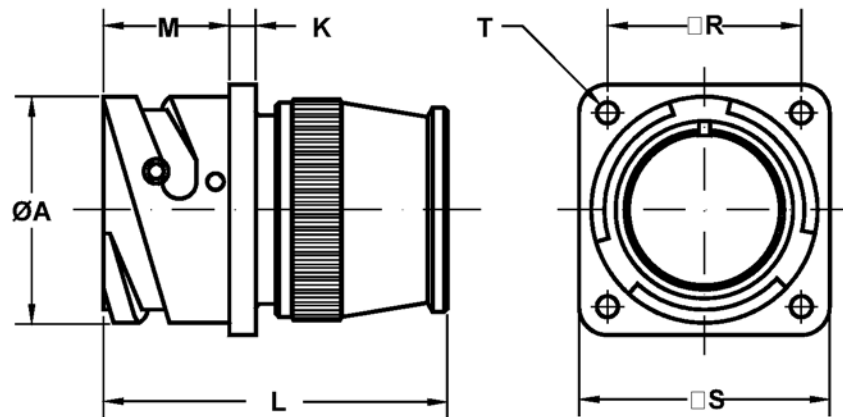
| Shell size | ØA<br>+0<br>-0.1 | ØB<br>min. | ØC<br>±0.1 | ØD<br>±0.2 | ØE<br>±0.2 | J key | K<br>±0.2 | L<br>Max. | L1<br>Max. | M<br>+0.2<br>-0 | R<br>±0.1 | S<br>+0.2 | ØT<br>+0.1<br>-0 |
|------------|------------------|------------|------------|------------|------------|-------|-----------|-----------|------------|-----------------|-----------|-----------|------------------|
| 10 SL      | 18.2             | 8.5        | 13.0       | 15.5       | 17.0       | 20    | 2.8       | 52.7      | 8.2        | 14.3            | 18.25     | 25.4      | 3.2              |
| 14 S       | 24.5             | 12.0       | 16.5       | 19.1       | 20.1       | 23    | 3.3       | 53.4      | 8.2        | 14.5            | 23.00     | 30.4      | 3.2              |
| 16 S       | 27.2             | 14.5       | 21.5       | 23.9       | 23.5       | 26    | 3.3       | 53.4      | 8.2        | 14.5            | 24.60     | 32.5      | 3.2              |
| 16         | 27.2             | 14.5       | 21.5       | 23.9       | 23.5       | 26    | 3.3       | 65.8      | 8.0        | 19.1            | 24.60     | 32.5      | 3.2              |
| 18         | 30.7             | 17.5       | 21.7       | 23.9       | 26.5       | 28    | 4.0       | 65.8      | 8.0        | 19.1            | 27.00     | 35.0      | 3.2              |
| 20         | 34.0             | 19.5       | 26.0       | 29.6       | 30.5       | 32    | 4.0       | 66.1      | 8.9        | 19.1            | 29.40     | 38.0      | 3.2              |
| 22         | 37.3             | 22.0       | 26.0       | 29.6       | 33.6       | 36    | 4.0       | 66.1      | 8.9        | 19.6            | 31.75     | 41.0      | 3.2              |
| 24         | 40.9             | 25.0       | 34.5       | 37.8       | 36.1       | 39    | 4.0       | 65.7      | 9.2        | 20.6            | 34.90     | 44.5      | 3.7              |
| 28         | 46.7             | 29.0       | 34.5       | 37.8       | 41.4       | 46    | 4.0       | 66.2      | 9.2        | 20.7            | 39.70     | 50.9      | 3.7              |
| 32         | 53.4             | 34.0       | 43.6       | 47.8       | 48.6       | 52    | 4.0       | 73.8      | 11.7       | 22.3            | 44.45     | 57.0      | 4.3              |
| 36         | 59.6             | 38.5       | 43.6       | 47.8       | 54.8       | 58    | 4.0       | 83.8      | 11.7       | 22.3            | 49.20     | 63.5      | 4.3              |
| 40         | 65.5             | 48.0       | 52.6       | 57.8       | 60.9       | 65    | 4.0       | 83.8      | 11.7       | 22.3            | 55.55     | 69.9      | 4.3              |

Wall mounting receptacle.  
Includes wire sealing grommet and backshell  
with rotating clamp nut for heat shrink tubing.

**CM1 3100 RS**

**CM1 4100 RS**

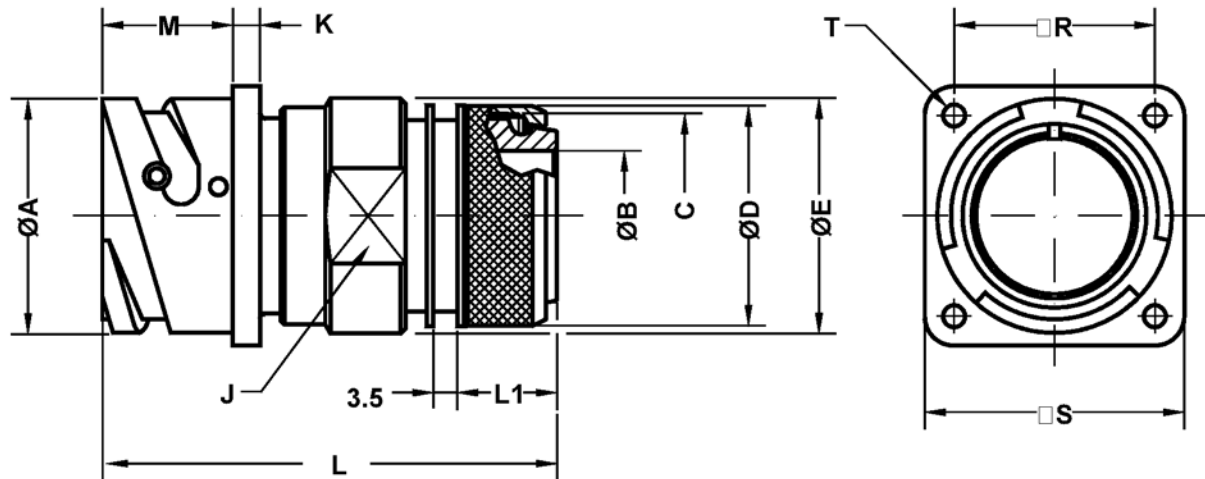
**Wall mounting connector**



| Shell size | $\varnothing A$<br>+0<br>-0.1 | $K$<br>$\pm 0.2$ | $L$<br>Max. | $M$<br>+0.2<br>-0 | $R$<br>$\pm 0.1$ | $S$<br>+0.2 | $\varnothing T$<br>+0.1<br>-0 |
|------------|-------------------------------|------------------|-------------|-------------------|------------------|-------------|-------------------------------|
| 10 SL      | 18.2                          | 2.8              | 38.0        | 14.3              | 18.25            | 25.4        | 3.2                           |
| 14 S       | 24.5                          | 3.3              | 47.5        | 14.5              | 23.00            | 30.4        | 3.2                           |
| 16 S       | 27.2                          | 3.3              | 45.5        | 14.5              | 24.60            | 32.5        | 3.2                           |
| 16         | 27.2                          | 3.3              | 55.5        | 19.1              | 24.60            | 32.5        | 3.2                           |
| 18         | 30.7                          | 4.0              | 55.5        | 19.1              | 27.00            | 35.0        | 3.2                           |
| 20         | 34.0                          | 4.0              | 55.5        | 19.1              | 29.40            | 38.0        | 3.2                           |
| 22         | 37.3                          | 4.0              | 55.5        | 19.6              | 31.75            | 41.0        | 3.2                           |
| 24         | 40.9                          | 4.0              | 58.5        | 20.6              | 34.90            | 44.5        | 3.7                           |
| 28         | 46.7                          | 4.0              | 58.5        | 20.7              | 39.70            | 50.9        | 3.7                           |
| 32         | 53.4                          | 4.0              | 58.5        | 22.3              | 44.45            | 57.0        | 4.3                           |
| 36         | 59.6                          | 4.0              | 58.5        | 22.3              | 49.20            | 63.5        | 4.3                           |
| 40         | 65.5                          | 4.0              | 58.5        | 22.3              | 55.55            | 69.9        | 4.3                           |

Wall mounting receptacle.  
Includes insulating grommet and backshell.  
For use with individual wires.

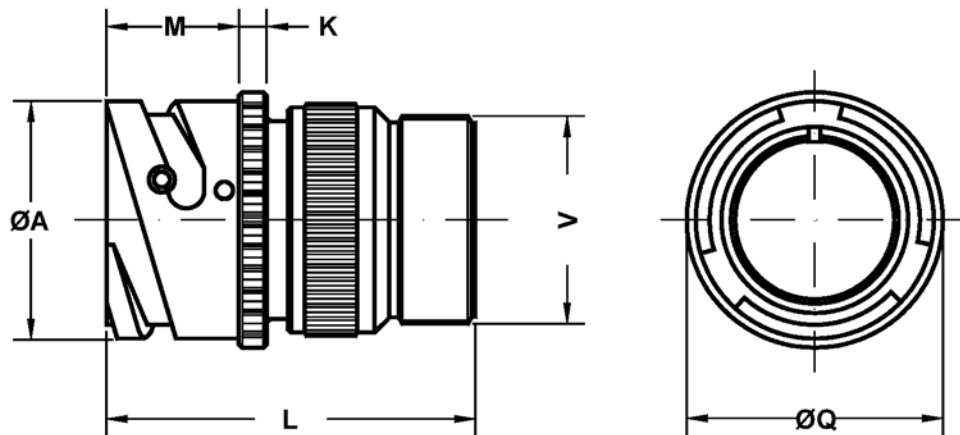
**CM1 3100 SP  
CM1 4100 SP**  
**Wall mounting receptacle**



| Shell size | ØA<br>+0<br>-0.1 | ØB<br>min. | C thread | ØD<br>±0.2 | ØE<br>±0.2 | J key | K<br>±0.2 | L<br>Max. | L1<br>Max. | M<br>+0.2<br>-0 | R<br>±0.1 | S<br>+0.2 | ØT<br>+0.1<br>-0 |
|------------|------------------|------------|----------|------------|------------|-------|-----------|-----------|------------|-----------------|-----------|-----------|------------------|
| 10 SL      | 18.2             | 8.5        | M16 x 1  | 18.5       | 22.0       | 20    | 2.8       | 52.0      | 13.5       | 14.3            | 18.25     | 25.4      | 3.2              |
| 14 S       | 24.5             | 12.0       | M20 x 1  | 22.3       | 25.0       | 23    | 3.3       | 52.0      | 13.5       | 14.5            | 23.00     | 30.4      | 3.2              |
| 16 S       | 27.2             | 14.5       | M23 x 1  | 25.3       | 28.0       | 26    | 3.3       | 54.0      | 14.6       | 14.5            | 24.60     | 32.5      | 3.2              |
| 16         | 27.2             | 14.5       | M23 x 1  | 25.3       | 28.0       | 26    | 3.3       | 63.0      | 14.6       | 19.1            | 24.60     | 32.5      | 3.2              |
| 18         | 30.7             | 17.5       | M26 x 1  | 28.0       | 30.0       | 28    | 4.0       | 64.5      | 14.6       | 19.1            | 27.00     | 35.0      | 3.2              |
| 20         | 34.0             | 19.5       | M30 x 1  | 32.3       | 34.5       | 32    | 4.0       | 64.5      | 14.6       | 19.1            | 29.40     | 38.0      | 3.2              |
| 22         | 37.3             | 22.0       | M32 x 1  | 34.3       | 38.0       | 36    | 4.0       | 64.5      | 14.6       | 19.6            | 31.75     | 41.0      | 3.2              |
| 24         | 40.9             | 25.0       | M36 x 1  | 38.3       | 41.0       | 39    | 4.0       | 66.0      | 14.6       | 20.6            | 34.90     | 44.5      | 3.7              |
| 28         | 46.7             | 29.0       | M39 x 1  | 41.2       | 48.0       | 46    | 4.0       | 66.0      | 14.6       | 20.7            | 39.70     | 50.9      | 3.7              |
| 32         | 53.4             | 34.0       | M45 x 1  | 48.3       | 54.0       | 52    | 4.0       | 67.5      | 14.6       | 22.3            | 44.45     | 57.0      | 4.3              |
| 36         | 59.6             | 38.5       | M52 x 1  | 55.0       | 61.0       | 58    | 4.0       | 68.0      | 15.5       | 22.3            | 49.20     | 63.5      | 4.3              |
| 40         | 65.5             | 48.0       | M59 x 1  | 62.0       | 68.0       | 65    | 4.0       | 68.0      | 15.5       | 22.3            | 55.55     | 69.9      | 4.3              |

Wall mounting receptacle.  
Includes wire sealing grommet and backshell  
with rotating clamp nut.  
Shielded cable is terminated with a "braid  
trap" nut and heat shrink tubing (optional).

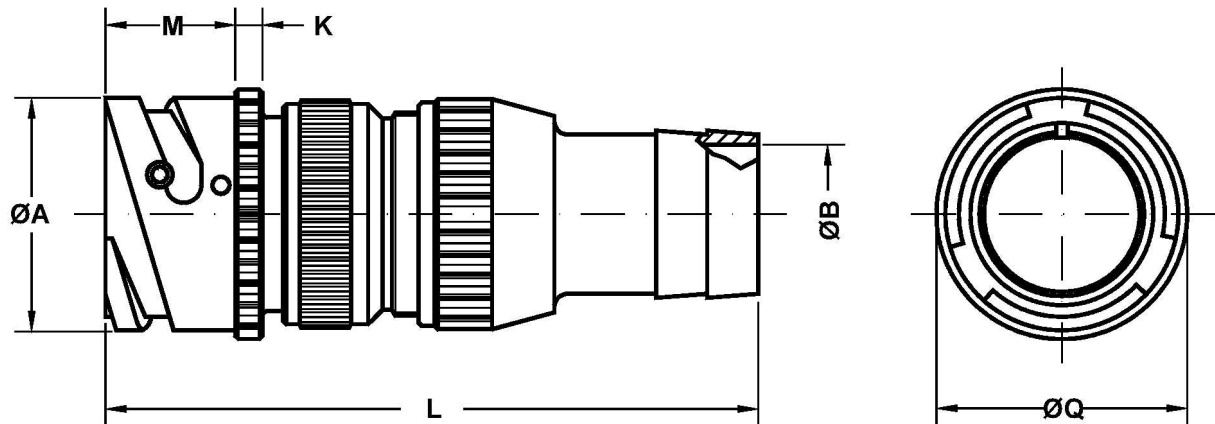
**CM1 3101 A / CM13101 R**  
**CM1 4101 A / CM14101 R**  
**In-line receptacle**



| Shell size | ØA<br>+0<br>-0.1 | K<br>±0.2 | L<br>Max. | M<br>+0.2<br>-0 | ØQ<br>±0.1 | V thread        |
|------------|------------------|-----------|-----------|-----------------|------------|-----------------|
| 10 SL      | 18.2             | 2.8       | 44.0      | 14.3            | 21.8       | 0.6250 - 24UNEF |
| 14 S       | 24.5             | 3.3       | 46.4      | 14.5            | 28.8       | 0.7500 - 20UNEF |
| 16 S       | 27.2             | 3.3       | 46.4      | 14.5            | 30.5       | 0.8750 - 20UNEF |
| 16         | 27.2             | 3.3       | 57.8      | 19.1            | 30.5       | 0.8750 - 20UNEF |
| 18         | 30.7             | 4.0       | 57.8      | 19.1            | 33.8       | 1.0000 - 20UNEF |
| 20         | 34.0             | 4.0       | 58.1      | 19.1            | 36.9       | 1.1875 - 18UNEF |
| 22         | 37.3             | 4.0       | 58.1      | 19.6            | 39.5       | 1.1875 - 18UNEF |
| 24         | 40.9             | 4.0       | 59.7      | 20.6            | 43.9       | 1.4375 - 18UNEF |
| 28         | 46.7             | 4.0       | 66.2      | 20.7            | 48.4       | 1.4375 - 18UNEF |
| 32         | 53.4             | 4.0       | 71.3      | 22.3            | 56.0       | 1.7500 - 18UNS  |
| 36         | 59.6             | 4.0       | 76.8      | 22.3            | 62.4       | 2.0000 - 18UNS  |
| 40         | 65.5             | 4.0       | 76.8      | 22.3            | 68.6       | 2.2500 - 16UN   |

In-line receptacle.  
Includes backshell for cable clamp  
**CM3057-XX A/B/C.**  
No grommet supplied.

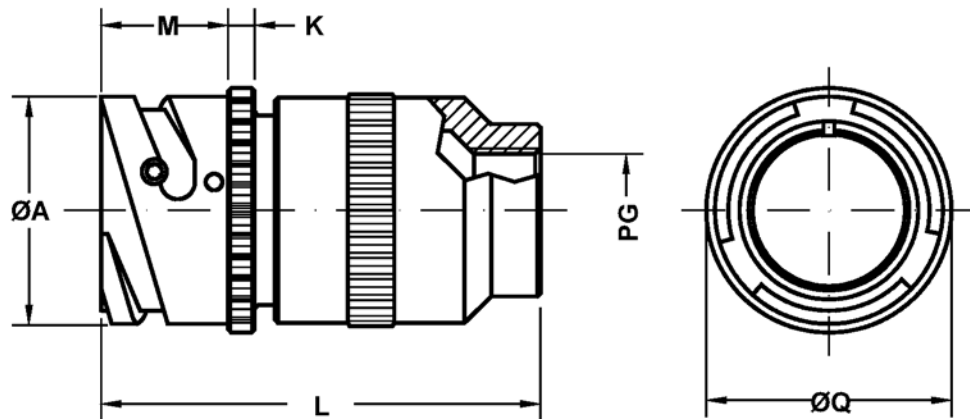
**CM1 3101 A ... BR\_\_**  
**CM1 4101 A ... BR\_\_**  
**In-line receptacle**



| Shell size | ØA<br>+0<br>-0.1 | ØB<br>±0.1 | K<br>±0.2 | L<br>Max. | M<br>+0.2<br>-0 | ØQ<br>±0.1 |
|------------|------------------|------------|-----------|-----------|-----------------|------------|
| 10 SL      | 18.2             |            | 2.8       | 90.0      | 14.3            | 21.8       |
| 14 S       | 24.5             |            | 3.3       | 91.5      | 14.5            | 28.8       |
| 16 S       | 27.2             |            | 3.3       | 91.5      | 14.5            | 30.5       |
| 16         | 27.2             |            | 3.3       | 103.0     | 19.1            | 30.5       |
| 18         | 30.7             |            | 4.0       | 103.0     | 19.1            | 33.8       |
| 20         | 34.0             |            | 4.0       | 103.0     | 19.1            | 36.9       |
| 22         | 37.3             |            | 4.0       | 103.0     | 19.6            | 39.5       |
| 24         | 40.9             |            | 4.0       | 104.5     | 20.6            | 43.9       |
| 28         | 46.7             |            | 4.0       | 111.0     | 20.7            | 48.4       |
| 32         | 53.4             |            | 4.0       | 116.5     | 22.3            | 56.0       |
| 36         | 59.6             |            | 4.0       | 122.0     | 22.3            | 62.4       |
| 40         | 65.5             |            | 4.0       | 122.0     | 22.3            | 68.6       |

In-line receptacle.  
Includes backshell and termination for  
UNI4883 rubber conduits.  
No grommet supplied.

**CM1 3101 A ... PG\_\_**  
**CM1 4101 A ... PG\_\_**  
**In-line receptacle**

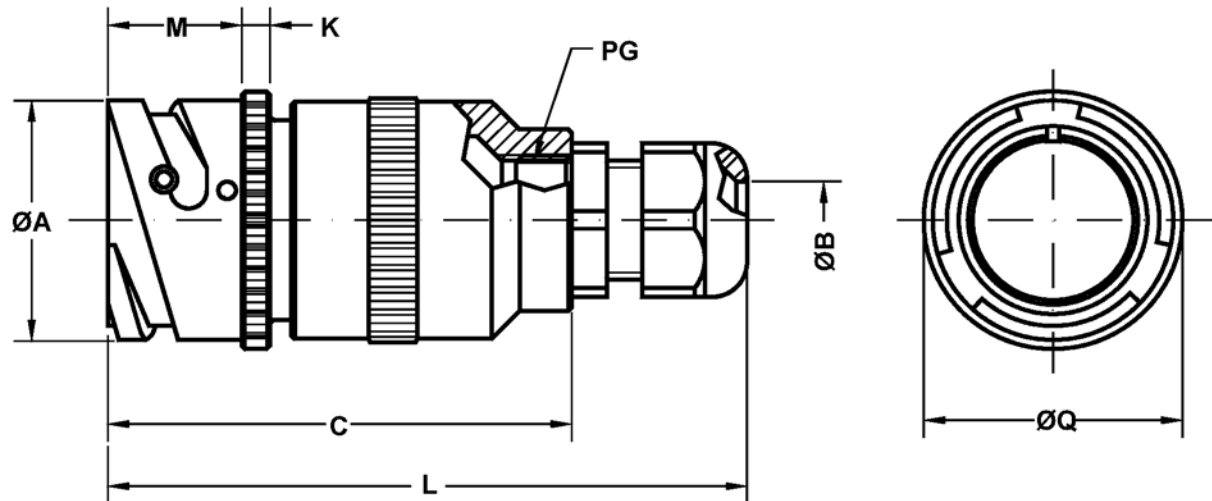


| Shell size   | ØA<br>+0<br>-0.1 | K<br>±0.2 | L<br>Max. | M<br>+0.2<br>-0 | PG thread           | ØQ<br>±0.1 |
|--------------|------------------|-----------|-----------|-----------------|---------------------|------------|
| <b>10 SL</b> | 18.2             | 2.8       | 50.0      | 14.3            | 7 / 9 / 11          | 21.8       |
| <b>14 S</b>  | 24.5             | 3.3       | 52.5      | 14.5            | 11 / 13.5           | 28.8       |
| <b>16 S</b>  | 27.2             | 3.3       | 52.5      | 14.5            | 9 / 11 / 16         | 30.5       |
| <b>16</b>    | 27.2             | 3.3       | 61.0      | 19.1            | 9 / 11 / 16         | 30.5       |
| <b>18</b>    | 30.7             | 4.0       | 66.5      | 19.1            | 9 / 11 / 16 / 21    | 33.8       |
| <b>20</b>    | 34.0             | 4.0       | 69.5      | 19.1            | 11 / 16 / 21        | 36.9       |
| <b>22</b>    | 37.3             | 4.0       | 69.5      | 19.6            | 13.5 / 16 / 21      | 39.5       |
| <b>24</b>    | 40.9             | 4.0       | 71.5      | 20.6            | 13.5 / 16 / 21 / 29 | 43.9       |
| <b>28</b>    | 46.7             | 4.0       | 76.5      | 20.7            | 16 / 21 / 29        | 48.4       |
| <b>32</b>    | 53.4             | 4.0       | 82.5      | 22.3            | 21 / 29             | 56.0       |
| <b>36</b>    | 59.6             | 4.0       | 87.5      | 22.3            | 21 / 29 / 36        | 62.4       |
| <b>40</b>    | 65.5             | 4.0       | 92.5      | 22.3            | 29 / 36             | 68.6       |

In-line receptacle for use with PG cable glands (not included).  
 Other types of PG adaptors can be supplied in various sizes upon request.  
 No grommet supplied.

CM1 3101 A ... PH\_\_  
CM1 4101 A ... PH\_\_

In-line receptacle



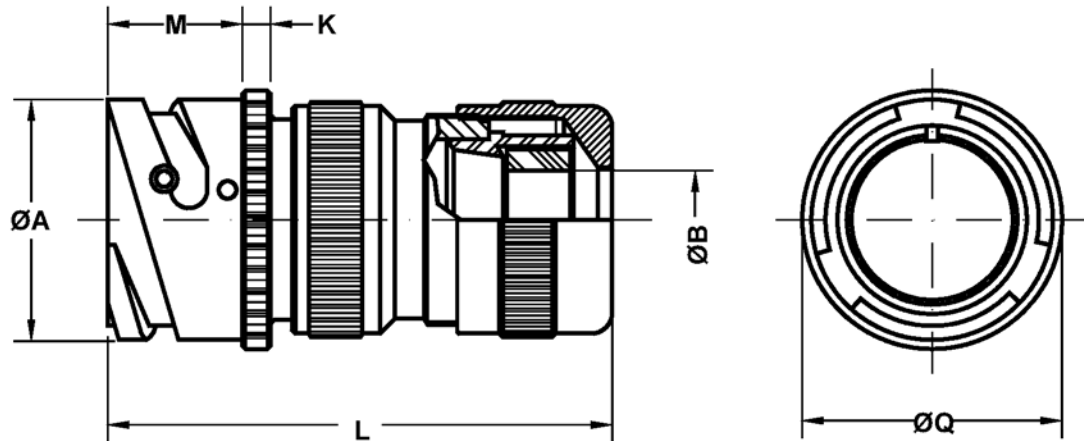
| Shell size | ØA<br>+0<br>-0.1 | ØB<br>min. ÷ Max.           | C<br>Max. | K<br>±0.2 | L<br>Max. | M<br>+0.2<br>-0 | PG thread           | Q<br>±0.1 |
|------------|------------------|-----------------------------|-----------|-----------|-----------|-----------------|---------------------|-----------|
| 10 SL      | 18.2             | 3÷6.5 / 4÷8 / 5÷10          | 50.0      | 2.8       | 76.0      | 14.3            | 7 / 9 / 11          | 21.8      |
| 14 S       | 24.5             | 5÷10 / 6÷12                 | 52.5      | 3.3       | 81.5      | 14.5            | 11 / 13.5           | 28.8      |
| 16 S       | 27.2             | 4÷8 / 5÷10 / 9÷14           | 52.5      | 3.3       | 83.5      | 14.5            | 9 / 11 / 16         | 30.5      |
| 16         | 27.2             | 4÷8 / 5÷10 / 9÷14           | 61.0      | 3.3       | 92.0      | 19.1            | 9 / 11 / 16         | 30.5      |
| 18         | 30.7             | 4÷8 / 5÷10 / 9÷14 / 13÷18   | 66.5      | 4.0       | 101.5     | 19.1            | 9 / 11 / 16 / 21    | 33.8      |
| 20         | 34.0             | 5÷10 / 9÷14 / 13÷18         | 69.5      | 4.0       | 104.5     | 19.1            | 11 / 16 / 21        | 36.9      |
| 22         | 37.3             | 6÷12 / 9÷14 / 13÷18         | 69.5      | 4.0       | 104.5     | 19.6            | 13.5 / 16 / 21      | 39.5      |
| 24         | 40.9             | 6÷12 / 9÷14 / 13÷18 / 15÷25 | 71.5      | 4.0       | 110.5     | 20.6            | 13.5 / 16 / 21 / 29 | 43.9      |
| 28         | 46.7             | 9÷14 / 13÷18 / 15÷25        | 76.5      | 4.0       | 115.5     | 20.7            | 16 / 21 / 29        | 48.4      |
| 32         | 53.4             | 13÷18 / 15÷25               | 82.5      | 4.0       | 121.5     | 22.3            | 21 / 29             | 56.0      |
| 36         | 59.6             | 13÷18 / 15÷25 / 20÷32       | 87.5      | 4.0       | 136.5     | 22.3            | 21 / 29 / 36        | 62.4      |
| 40         | 65.5             | 15÷25 / 20÷32               | 92.5      | 4.0       | 141.5     | 22.3            | 29 / 36             | 68.6      |

In-line receptacle with backshell and PG cable gland.

Other types of PG adaptors can be supplied in various sizes upon request.

No grommet supplied.

**CM1 3101 A ... PHM\_\_**  
**CM1 4101 A ... PHM\_\_**  
**In-line receptacle**



| Shell size | P.N. PHM     | ØA<br>+0<br>-0.1 | ØB<br>min. ÷ Max.      | K<br>±0.2 | L<br>Max. | M<br>+0.2<br>-0 | ØQ<br>±0.1 |
|------------|--------------|------------------|------------------------|-----------|-----------|-----------------|------------|
| 10 SL      | 11           | 18.2             | 2÷11                   | 2.8       | 60        | 14.3            | 21.8       |
| 14 S       | 11           | 24.5             | 2÷11                   | 3.3       | 60        | 14.5            | 28.8       |
| 16 S       | 11           | 27.2             | 2÷11                   | 3.3       | 60        | 14.5            | 30.5       |
| 16         | 11           | 27.2             | 2÷11                   | 3.3       | 70        | 19.1            | 30.5       |
| 18         | 11 / 18      | 30.7             | 2÷11 / 2÷16.5          | 4.0       | 70        | 19.1            | 33.8       |
| 20         | 11 / 18      | 34.0             | 2÷11 / 2÷16.5          | 4.0       | 70        | 19.1            | 36.9       |
| 22         | 18           | 37.3             | 2÷16.5                 | 4.0       | 70        | 19.6            | 39.5       |
| 24         | 18 / 22 / 24 | 40.9             | 2÷16.5 / 15÷20 / 19÷24 | 4.0       | 80        | 20.6            | 43.9       |
| 28         | 18 / 22 / 24 | 46.7             | 2÷16.5 / 15÷20 / 19÷24 | 4.0       | 80        | 20.7            | 48.4       |
| 32         | 22 / 24      | 53.4             | 15÷20 / 19÷24          | 4.0       | 80        | 22.3            | 56.0       |
| 36         | 35           | 59.6             | 23÷35                  | 4.0       | 95        | 22.3            | 62.4       |
| 40         | 35           | 65.5             | 23÷35                  | 4.0       | 95        | 22.3            | 68.6       |

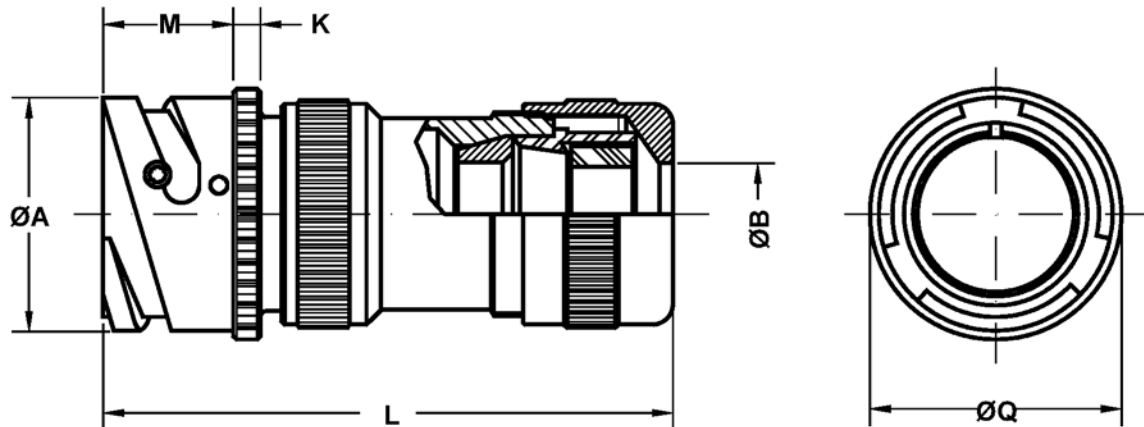
In-line receptacle.

Includes a PHM cable clamp that assures an excellent mechanical and waterproof seal if used with the correct neoprene sealing sleeves.

No grommet supplied.

**CM1 3101 A ... PHM\_\_ EMI**  
**CM1 4101 A ... PHM\_\_ EMI**

**In-line receptacle**



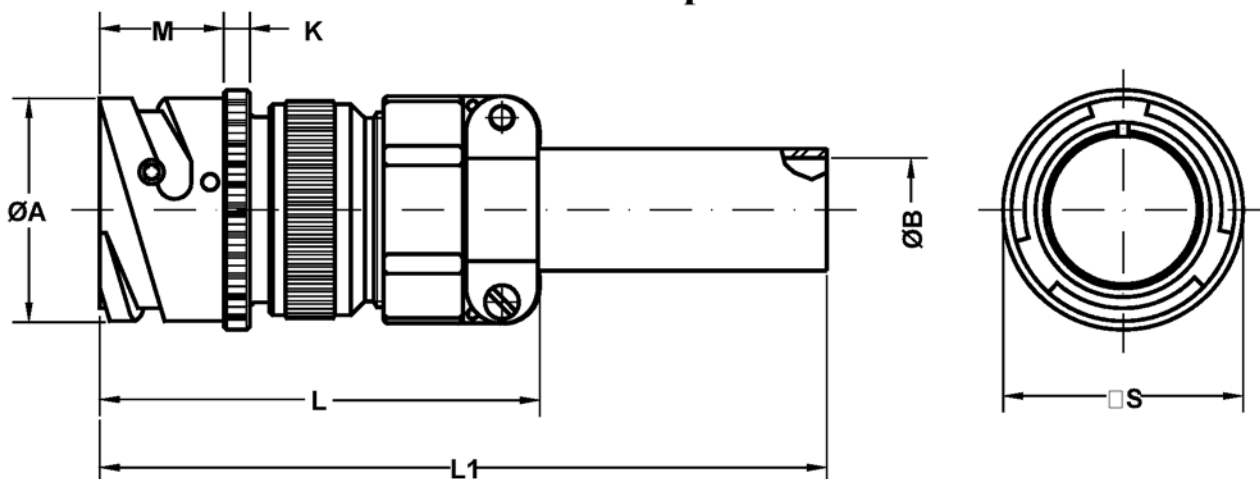
| Shell size | P.N. PHM     | ØA<br>+0<br>-0.1 | ØB<br>min. ÷ Max.      | K<br>±0.2 | L<br>Max. | M<br>+0.2<br>-0 | ØQ<br>±0.1 |
|------------|--------------|------------------|------------------------|-----------|-----------|-----------------|------------|
| 10 SL      | 11           | 18.2             | 2÷11                   | 2.8       | 70        | 14.3            | 21.8       |
| 14 S       | 11           | 24.5             | 2÷11                   | 3.3       | 70        | 14.5            | 28.8       |
| 16 S       | 11           | 27.2             | 2÷11                   | 3.3       | 70        | 14.5            | 30.5       |
| 16         | 11           | 27.2             | 2÷11                   | 3.3       | 80        | 19.1            | 30.5       |
| 18         | 11 / 18      | 30.7             | 2÷11 / 2÷16.5          | 4.0       | 80        | 19.1            | 33.8       |
| 20         | 11 / 18      | 34.0             | 2÷11 / 2÷16.5          | 4.0       | 80        | 19.1            | 36.9       |
| 22         | 18           | 37.3             | 2÷16.5                 | 4.0       | 80        | 19.6            | 39.5       |
| 24         | 18 / 22 / 24 | 40.9             | 2÷16.5 / 15÷20 / 19÷24 | 4.0       | 90        | 20.6            | 43.9       |
| 28         | 18 / 22 / 24 | 46.7             | 2÷16.5 / 15÷20 / 19÷24 | 4.0       | 90        | 20.7            | 48.4       |
| 32         | 22 / 24      | 53.4             | 15÷20 / 19÷24          | 4.0       | 90        | 22.3            | 56.0       |
| 36         | 35           | 59.6             | 23÷35                  | 4.0       | 105       | 22.3            | 62.4       |
| 40         | 35           | 65.5             | 23÷35                  | 4.0       | 105       | 22.3            | 68.6       |

In-line receptacle.

Includes a PHM cable clamp that assures an excellent mechanical and waterproof seal with multipolar shielded cables if used with the correct neoprene sealing sleeves.

No grommet supplied.

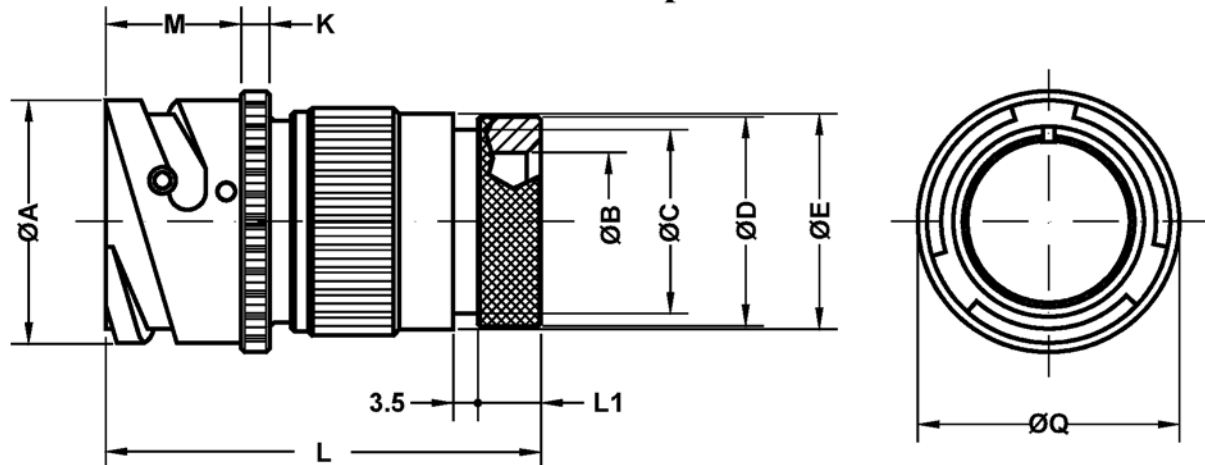
**CM1 3101 F**  
**CM1 4101 F**  
**In-line receptacle**



| Shell size | ØA<br>+0<br>-0.1 | ØB<br>±0.1 | K<br>±0.2 | L<br>Max. | L1<br>Max. | M<br>+0.2<br>-0 | ØQ<br>±0.1 |
|------------|------------------|------------|-----------|-----------|------------|-----------------|------------|
| 10 SL      | 18.2             | 5.58       | 2.8       | 55.0      | 125        | 14.3            | 21.8       |
| 14 S       | 24.5             | 7.92       | 3.3       | 58.4      | 125        | 14.5            | 28.8       |
| 16 S       | 27.2             | 11.09      | 3.3       | 60.4      | 125        | 14.5            | 30.5       |
| 16         | 27.2             | 11.09      | 3.3       | 71.8      | 135        | 19.1            | 30.5       |
| 18         | 30.7             | 14.27      | 4.0       | 77.8      | 140        | 19.1            | 33.8       |
| 20         | 34.0             | 15.87      | 4.0       | 74.0      | 130        | 19.1            | 36.9       |
| 22         | 37.3             | 15.87      | 4.0       | 74.0      | 130        | 19.6            | 39.5       |
| 24         | 40.9             | 19.05      | 4.0       | 76.7      | 130        | 20.6            | 43.9       |
| 28         | 46.7             | 19.05      | 4.0       | 83.2      | 135        | 20.7            | 48.4       |
| 32         | 53.4             | 23.79      | 4.0       | 90.3      | 140        | 22.3            | 56.0       |
| 36         | 59.6             | 31.75      | 4.0       | 96.8      | 145        | 22.3            | 62.4       |
| 40         | 65.5             | 34.92      | 4.0       | 115.8     | 160        | 22.3            | 68.6       |

In-line receptacle.  
Includes insulating grommet, backshell,  
class A **CM3057** cable clamp and neoprene  
sleeve.  
No grommet supplied.

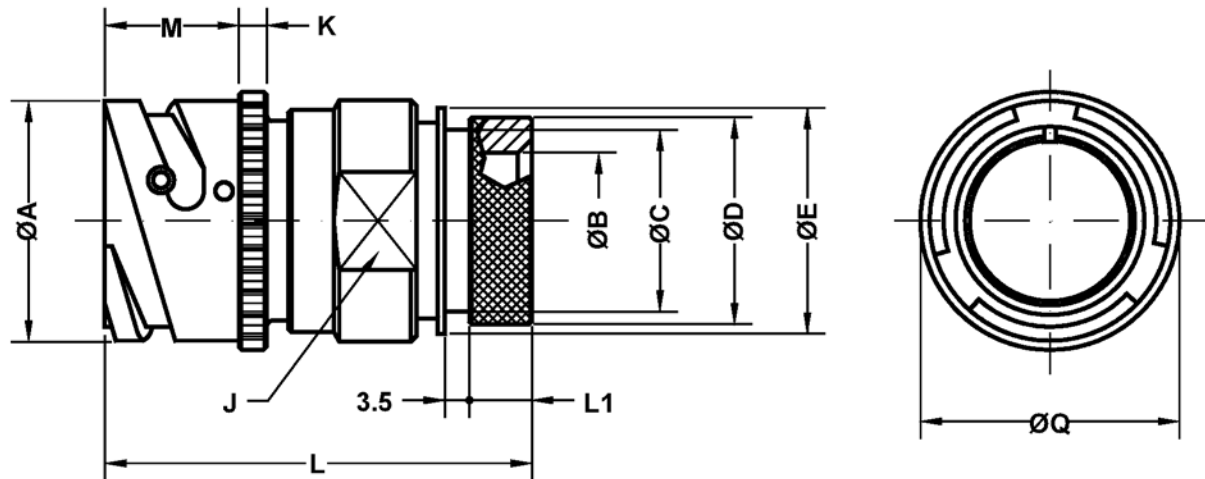
**CM1 3101 G**  
**CM1 4101 G**  
**In-line receptacle**



| Shell size | ØA<br>+0<br>-0.1 | ØB<br>min. | ØC<br>±0.1 | ØD<br>±0.2 | ØE<br>±0.2 | K<br>±0.2 | L<br>Max. | L1<br>Max. | M<br>+0.2<br>-0 | ØQ<br>±0.1 |
|------------|------------------|------------|------------|------------|------------|-----------|-----------|------------|-----------------|------------|
| 10 SL      | 18.2             | 8.5        | 13.0       | 15.5       | 17.0       | 2.8       | 52.7      | 8.2        | 14.3            | 21.8       |
| 14 S       | 24.5             | 12.0       | 16.5       | 19.1       | 20.1       | 3.3       | 53.4      | 8.2        | 14.5            | 28.8       |
| 16 S       | 27.2             | 14.5       | 21.5       | 23.9       | 23.5       | 3.3       | 53.4      | 8.2        | 14.5            | 30.5       |
| 16         | 27.2             | 14.5       | 21.5       | 23.9       | 23.5       | 3.3       | 65.8      | 8.0        | 19.1            | 30.5       |
| 18         | 30.7             | 17.5       | 21.7       | 23.9       | 26.5       | 4.0       | 65.8      | 8.0        | 19.1            | 33.8       |
| 20         | 34.0             | 19.5       | 26.0       | 29.6       | 30.5       | 4.0       | 66.1      | 8.9        | 19.1            | 36.9       |
| 22         | 37.3             | 22.0       | 26.0       | 29.6       | 33.6       | 4.0       | 66.1      | 8.9        | 19.6            | 39.5       |
| 24         | 40.9             | 25.0       | 34.5       | 37.8       | 36.1       | 4.0       | 65.7      | 9.2        | 20.6            | 43.9       |
| 28         | 46.7             | 29.0       | 34.5       | 37.8       | 41.4       | 4.0       | 66.2      | 9.2        | 20.7            | 48.4       |
| 32         | 53.4             | 34.0       | 43.6       | 47.8       | 48.6       | 4.0       | 73.8      | 11.7       | 22.3            | 56.0       |
| 36         | 59.6             | 38.5       | 43.6       | 47.8       | 54.8       | 4.0       | 83.8      | 11.7       | 22.3            | 62.4       |
| 40         | 65.5             | 48.0       | 52.6       | 57.8       | 60.9       | 4.0       | 83.8      | 11.7       | 22.3            | 68.6       |

In-line receptacle.  
Includes wire sealing grommet and backshell  
for heat shrink tubing.

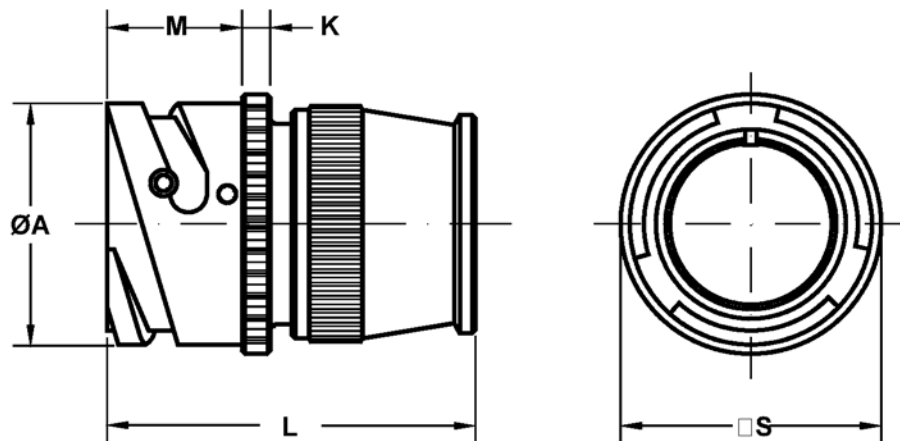
**CM1 3101 GR**  
**CM1 4101 GR**  
**In-line receptacle**



| Shell size | ØA<br>+0<br>-0.1 | ØB<br>min. | ØC<br>±0.1 | ØD<br>±0.2 | ØE<br>±0.2 | J key | K<br>±0.2 | L<br>Max. | L1<br>Max. | M<br>+0.2<br>-0 | ØQ<br>±0.1 |
|------------|------------------|------------|------------|------------|------------|-------|-----------|-----------|------------|-----------------|------------|
| 10 SL      | 18.2             | 8.5        | 13.0       | 15.5       | 17.0       | 20    | 2.8       | 52.7      | 8.2        | 14.3            | 21.8       |
| 14 S       | 24.5             | 12.0       | 16.5       | 19.1       | 20.1       | 23    | 3.3       | 53.4      | 8.2        | 14.5            | 28.8       |
| 16 S       | 27.2             | 14.5       | 21.5       | 23.9       | 23.5       | 26    | 3.3       | 53.4      | 8.2        | 14.5            | 30.5       |
| 16         | 27.2             | 14.5       | 21.5       | 23.9       | 23.5       | 26    | 3.3       | 65.8      | 8.0        | 19.1            | 30.5       |
| 18         | 30.7             | 17.5       | 21.7       | 23.9       | 26.5       | 28    | 4.0       | 65.8      | 8.0        | 19.1            | 33.8       |
| 20         | 34.0             | 19.5       | 26.0       | 29.6       | 30.5       | 32    | 4.0       | 66.1      | 8.9        | 19.1            | 36.9       |
| 22         | 37.3             | 22.0       | 26.0       | 29.6       | 33.6       | 36    | 4.0       | 66.1      | 8.9        | 19.6            | 39.5       |
| 24         | 40.9             | 25.0       | 34.5       | 37.8       | 36.1       | 39    | 4.0       | 65.7      | 9.2        | 20.6            | 43.9       |
| 28         | 46.7             | 29.0       | 34.5       | 37.8       | 41.4       | 46    | 4.0       | 66.2      | 9.2        | 20.7            | 48.4       |
| 32         | 53.4             | 34.0       | 43.6       | 47.8       | 48.6       | 52    | 4.0       | 73.8      | 11.7       | 22.3            | 56.0       |
| 36         | 59.6             | 38.5       | 43.6       | 47.8       | 54.8       | 58    | 4.0       | 83.8      | 11.7       | 22.3            | 62.4       |
| 40         | 65.5             | 48.0       | 52.6       | 57.8       | 60.9       | 65    | 4.0       | 83.8      | 11.7       | 22.3            | 68.6       |

In-line receptacle.  
Includes wire sealing grommet and backshell  
with rotating clamp nut for heat shrink tubing.

**CM1 3101 RS**  
**CM1 4101 RS**  
**In-line receptacle**



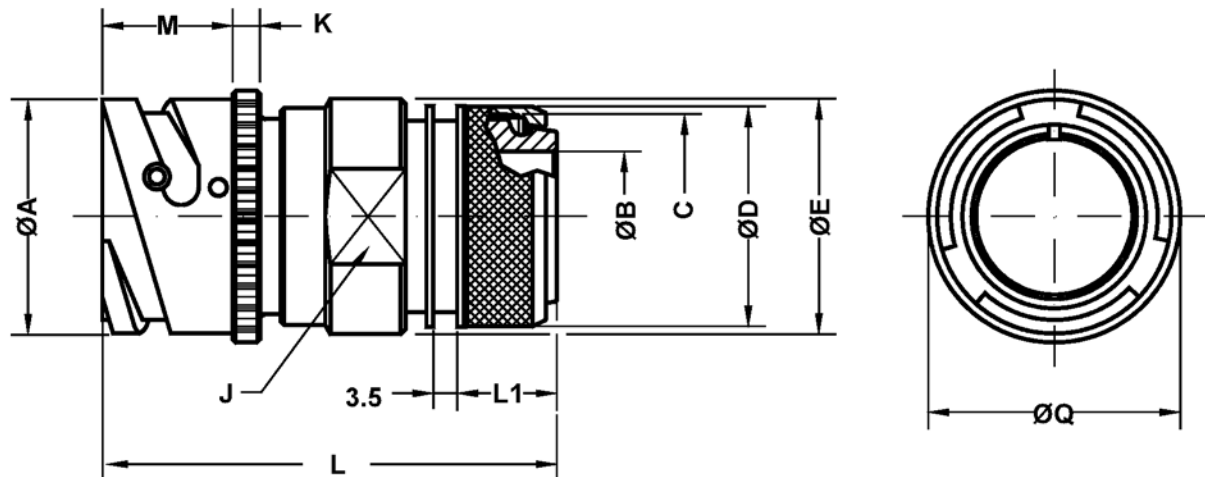
| Shell size | ØA<br>+0<br>-0.1 | K<br>±0.2 | L<br>Max. | M<br>+0.2<br>-0 | ØQ<br>±0.1 |
|------------|------------------|-----------|-----------|-----------------|------------|
| 10 SL      | 18.2             | 2.8       | 38.0      | 14.3            | 21.8       |
| 14 S       | 24.5             | 3.3       | 47.5      | 14.5            | 38.8       |
| 16 S       | 27.2             | 3.3       | 45.5      | 14.5            | 30.5       |
| 16         | 27.2             | 3.3       | 55.5      | 19.1            | 30.5       |
| 18         | 30.7             | 4.0       | 55.5      | 19.1            | 33.8       |
| 20         | 34.0             | 4.0       | 55.5      | 19.1            | 36.9       |
| 22         | 37.3             | 4.0       | 55.5      | 19.6            | 39.5       |
| 24         | 40.9             | 4.0       | 58.5      | 20.6            | 43.9       |
| 28         | 46.7             | 4.0       | 58.5      | 20.7            | 48.4       |
| 32         | 53.4             | 4.0       | 58.5      | 22.3            | 56.0       |
| 36         | 59.6             | 4.0       | 58.5      | 22.3            | 62.4       |
| 40         | 65.5             | 4.0       | 58.5      | 22.3            | 68.6       |

In-line receptacle.  
Includes wire sealing grommet and  
backshell. For use with individual wires.

CM1 3101 SP

CM1 4101 SP

In-line receptacle



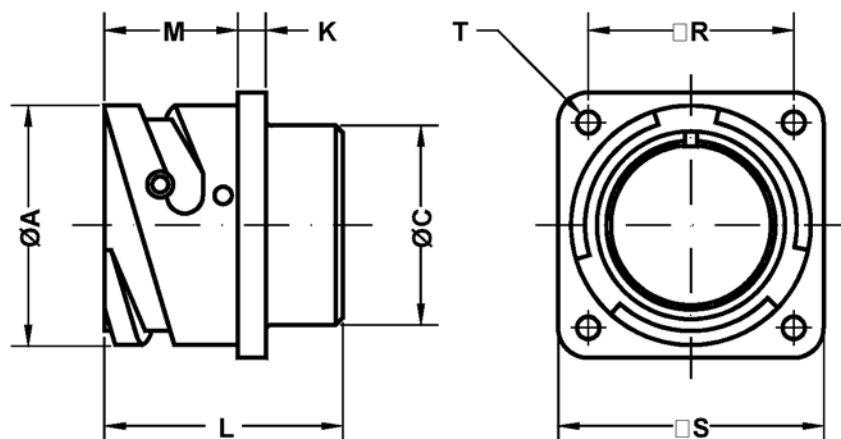
| Shell size | ØA<br>+0<br>-0.1 | ØB<br>min. | C thread | ØD<br>±0.2 | ØE<br>±0.2 | J key | K<br>±0.2 | L<br>Max. | L1<br>Max. | M<br>+0.2<br>-0 | ØQ<br>±0.1 |
|------------|------------------|------------|----------|------------|------------|-------|-----------|-----------|------------|-----------------|------------|
| 10 SL      | 18.2             | 8.5        | M16 x 1  | 18.5       | 22.0       | 20    | 2.8       | 52.0      | 13.5       | 14.3            | 21.8       |
| 14 S       | 24.5             | 12.0       | M20 x 1  | 22.3       | 25.0       | 23    | 3.3       | 52.0      | 13.5       | 14.5            | 28.8       |
| 16 S       | 27.2             | 14.5       | M23 x 1  | 25.3       | 28.0       | 26    | 3.3       | 54.0      | 14.6       | 14.5            | 30.5       |
| 16         | 27.2             | 14.5       | M23 x 1  | 25.3       | 28.0       | 26    | 3.3       | 63.0      | 14.6       | 19.1            | 30.5       |
| 18         | 30.7             | 17.5       | M26 x 1  | 28.0       | 30.0       | 28    | 4.0       | 64.5      | 14.6       | 19.1            | 33.8       |
| 20         | 34.0             | 19.5       | M30 x 1  | 32.3       | 34.5       | 32    | 4.0       | 64.5      | 14.6       | 19.1            | 36.9       |
| 22         | 37.3             | 22.0       | M32 x 1  | 34.3       | 38.0       | 36    | 4.0       | 64.5      | 14.6       | 19.6            | 39.5       |
| 24         | 40.9             | 25.0       | M36 x 1  | 38.3       | 41.0       | 39    | 4.0       | 66.0      | 14.6       | 20.6            | 43.9       |
| 28         | 46.7             | 29.0       | M39 x 1  | 41.2       | 48.0       | 46    | 4.0       | 66.0      | 14.6       | 20.7            | 48.4       |
| 32         | 53.4             | 34.0       | M45 x 1  | 48.3       | 54.0       | 52    | 4.0       | 67.5      | 14.6       | 22.3            | 56.0       |
| 36         | 59.6             | 38.5       | M52 x 1  | 55.0       | 61.0       | 58    | 4.0       | 68.0      | 15.5       | 22.3            | 62.4       |
| 40         | 65.5             | 48.0       | M59 x 1  | 62.0       | 68.0       | 65    | 4.0       | 68.0      | 15.5       | 22.3            | 68.6       |

In-line receptacle.

Includes wire sealing grommet and backshell with rotating clamp nut. Shielded cable is terminated with a "braid trap" nut and heat shrink tubing (optional).

**CM1 3102 A / CM1 3102 E / CM1 3102 R**  
**CM1 4102 A / CM1 4102 E / CM1 4102 R**

**Box mounting receptacle**



| Shell size | ØA<br>+0<br>-0.1 | ØC<br>Max. | K<br>±0.2 | L<br>Max. | M<br>+0.2<br>-0 | R<br>±0.1 | S<br>+0.2 | ØT<br>+0.1<br>-0 |
|------------|------------------|------------|-----------|-----------|-----------------|-----------|-----------|------------------|
| 10 SL      | 18.2             | 16.2       | 2.8       | 24.7      | 14.3            | 18.25     | 25.4      | 3.2              |
| 14 S       | 24.5             | 19.2       | 3.3       | 24.7      | 14.5            | 23.00     | 30.4      | 3.2              |
| 16 S       | 27.2             | 22.4       | 3.3       | 24.7      | 14.5            | 24.60     | 32.5      | 3.2              |
| 16         | 27.2             | 22.4       | 3.3       | 33.8      | 19.1            | 24.60     | 32.5      | 3.2              |
| 18         | 30.7             | 25.6       | 4.0       | 34.5      | 19.1            | 27.00     | 35.0      | 3.2              |
| 20         | 34.0             | 29.0       | 4.0       | 34.5      | 19.1            | 29.40     | 38.0      | 3.2              |
| 22         | 37.3             | 32.2       | 4.0       | 34.5      | 19.6            | 31.75     | 41.0      | 3.2              |
| 24         | 40.9             | 35.3       | 4.0       | 35.7      | 20.6            | 34.90     | 44.5      | 3.7              |
| 28         | 46.7             | 41.4       | 4.0       | 35.7      | 20.7            | 39.70     | 50.9      | 3.7              |
| 32         | 53.4             | 47.8       | 4.0       | 37.3      | 22.3            | 44.45     | 57.0      | 4.3              |
| 36         | 59.6             | 54.1       | 4.0       | 37.3      | 22.3            | 49.20     | 63.5      | 4.3              |
| 40         | 65.5             | 59.0       | 4.0       | 37.3      | 22.3            | 55.55     | 69.9      | 4.3              |

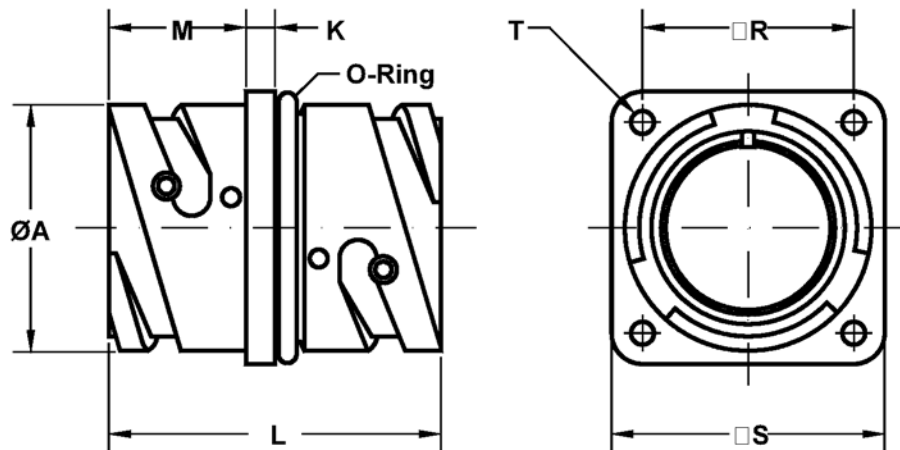
Box mounting square flange receptacle.

Class A: for general use,

Class E, R: for environmental sealing.

## CM1 02 PP

### Box mounting receptacle

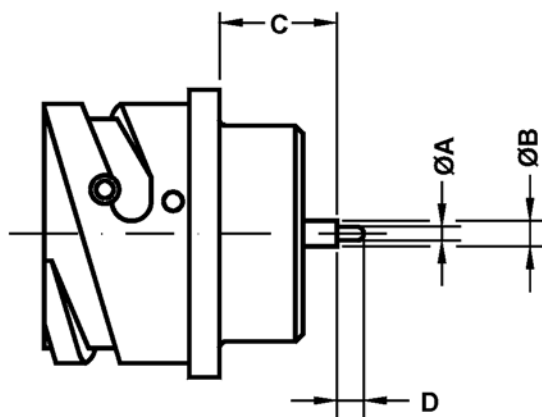


| Shell size | ØA<br>+0<br>-0.1 | K<br>±0.2 | L<br>±0.3 | M<br>+0.2<br>-0 | R<br>±0.1 | S<br>+0.2 | T thread |
|------------|------------------|-----------|-----------|-----------------|-----------|-----------|----------|
| 10 SL      | 18.2             | 2.8       | 37.5      | 14.3            | 18.25     | 25.4      | M4       |
| 14 S       | 24.5             | 3.3       | 37.5      | 14.5            | 23.00     | 30.4      | M4       |
| 16 S       | 27.2             | 3.3       | 37.5      | 14.5            | 24.60     | 32.5      | M4       |
| 16         | 27.2             | 3.3       | 50.6      | 19.1            | 24.60     | 32.5      | M4       |
| 18         | 30.7             | 4.0       | 51.4      | 19.1            | 27.00     | 35.0      | M4       |
| 20         | 34.0             | 4.0       | 51.4      | 19.1            | 29.40     | 38.0      | M4       |
| 22         | 37.3             | 4.0       | 51.4      | 19.6            | 31.75     | 41.0      | M4       |
| 24         | 40.9             | 4.0       | 51.4      | 20.6            | 34.90     | 44.5      | M4       |
| 28         | 46.7             | 4.0       | 51.4      | 20.7            | 39.70     | 50.9      | M5       |
| 32         | 53.4             | 4.0       | 51.4      | 22.3            | 44.45     | 57.0      | M5       |
| 36         | 59.6             | 4.0       | 51.4      | 22.3            | 49.20     | 63.5      | M5       |
| 40         | 65.5             | 4.0       | 51.4      | 22.3            | 55.55     | 69.9      | M5       |

Through-bulkhead receptacle.

## CM1 3102 Y

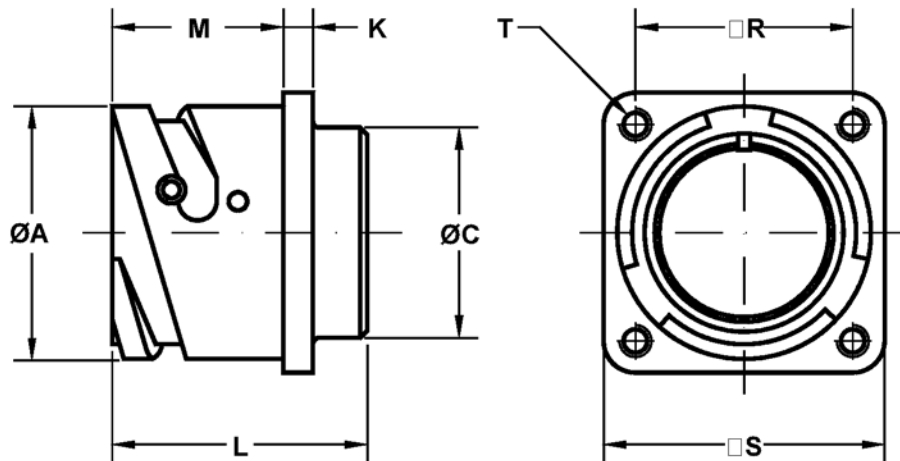
### Box mounting receptacle



| Shell size | DS1 |     |       |     | Y #16 |     |       |     | Y #12 |     |       |     | YL5 |     |       |   |
|------------|-----|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-----|-----|-------|---|
|            | A   | B   | C     | D   | A     | B   | C     | D   | A     | B   | C     | D   | A   | B   | C     | D |
| 10 SL      | 0.8 | 1.8 | 13.80 | 3.6 | -     | -   | -     | -   | -     | -   | -     | -   | -   | -   | -     | - |
| 14 S       | 0.8 | 1.8 | 12.40 | 3.6 | -     | -   | -     | -   | -     | -   | -     | -   | -   | -   | -     | - |
| 16 S       | 0.8 | 1.8 | 12.40 | 3.6 | -     | -   | -     | -   | -     | -   | -     | -   | -   | -   | -     | - |
| 16         | 0.8 | 1.8 | 14.60 | 3.6 | 0.8   | 1.8 | 17.85 | 3.5 | 1.8   | 3.4 | 17.85 | 3.5 | 0.8 | 1.8 | 17.85 | 5 |
| 18         | 0.8 | 1.8 | 13.80 | 3.6 | 0.8   | 1.8 | 17.05 | 3.5 | 1.8   | 3.4 | 17.05 | 3.5 | 0.8 | 1.8 | 17.05 | 5 |
| 20         | 0.8 | 1.8 | 13.80 | 3.6 | 0.8   | 1.8 | 17.05 | 3.5 | 1.8   | 3.4 | 17.05 | 3.5 | 0.8 | 1.8 | 17.05 | 5 |
| 22         | 0.8 | 1.8 | 13.30 | 3.6 | 0.8   | 1.8 | 16.55 | 3.5 | 1.8   | 3.4 | 16.55 | 3.5 | 0.8 | 1.8 | 16.55 | 5 |
| 24         | 0.8 | 1.8 | 12.20 | 3.6 | 0.8   | 1.8 | 15.45 | 3.5 | 1.8   | 3.4 | 15.45 | 3.5 | 0.8 | 1.8 | 15.45 | 5 |
| 28         | 0.8 | 1.8 | 13.00 | 3.6 | 0.8   | 1.8 | 16.25 | 3.5 | 1.8   | 3.4 | 16.25 | 3.5 | 0.8 | 1.8 | 16.25 | 5 |
| 32         | -   | -   | -     | -   | 0.8   | 1.8 | 13.85 | 3.5 | 1.8   | 3.4 | 13.85 | 3.5 | 0.8 | 1.8 | 16.70 | 5 |
| 36         | -   | -   | -     | -   | 0.8   | 1.8 | 13.85 | 3.5 | 1.8   | 3.4 | 13.85 | 3.5 | 0.8 | 1.8 | 16.70 | 5 |
| 40         | -   | -   | -     | -   | 0.8   | 1.8 | 13.85 | 3.5 | 1.8   | 3.4 | 13.85 | 3.5 | 0.8 | 1.8 | 16.70 | 5 |

Box mounting square flange receptacle with  
PCB contacts.

**CM1 3103 A / CM1 3103 R**  
**CM1 4103 A / CM1 4103 R**  
**Box mounting receptacle**

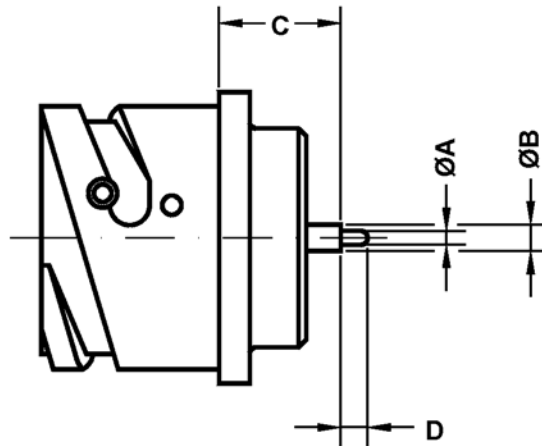


| Shell size | ØA<br>+0<br>-0.1 | ØC<br>Max. | K<br>±0.2 | L<br>Max. | M<br>+0.2<br>-0 | R<br>±0.1 | S<br>+0.2 | T thread |
|------------|------------------|------------|-----------|-----------|-----------------|-----------|-----------|----------|
| 10 SL      | 18.2             | 16.2       | 2.8       | 24.7      | 18.5            | 18.25     | 25.4      | M4       |
| 14 S       | 24.5             | 19.2       | 3.3       | 24.7      | 18.5            | 23.00     | 30.4      | M4       |
| 16 S       | 27.2             | 22.4       | 3.3       | 24.7      | 18.5            | 24.60     | 32.5      | M4       |
| 16         | 27.2             | 22.4       | 3.3       | 33.8      | 23.2            | 24.60     | 32.5      | M4       |
| 18         | 30.7             | 25.6       | 4.0       | 34.2      | 23.2            | 27.00     | 35.0      | M4       |
| 20         | 34.0             | 29.0       | 4.0       | 34.5      | 23.2            | 29.40     | 38.0      | M4       |
| 22         | 37.3             | 32.2       | 4.0       | 33.8      | 23.2            | 31.75     | 41.0      | M4       |
| 24         | 40.9             | 35.3       | 4.0       | 34.5      | 23.2            | 34.90     | 44.5      | M4       |
| 28         | 46.7             | 41.4       | 4.0       | 34.5      | 24.4            | 39.70     | 50.9      | M5       |
| 32         | 53.4             | 47.8       | 4.0       | 33.8      | 24.2            | 44.45     | 57.0      | M5       |
| 36         | 59.6             | 54.1       | 4.0       | 33.8      | 24.2            | 49.20     | 63.5      | M5       |
| 40         | 65.5             | 59.0       | 4.0       | 33.8      | 24.4            | 55.55     | 69.9      | M5       |

Square flange receptacle for rear panel mounting.

## CM1 3103 Y

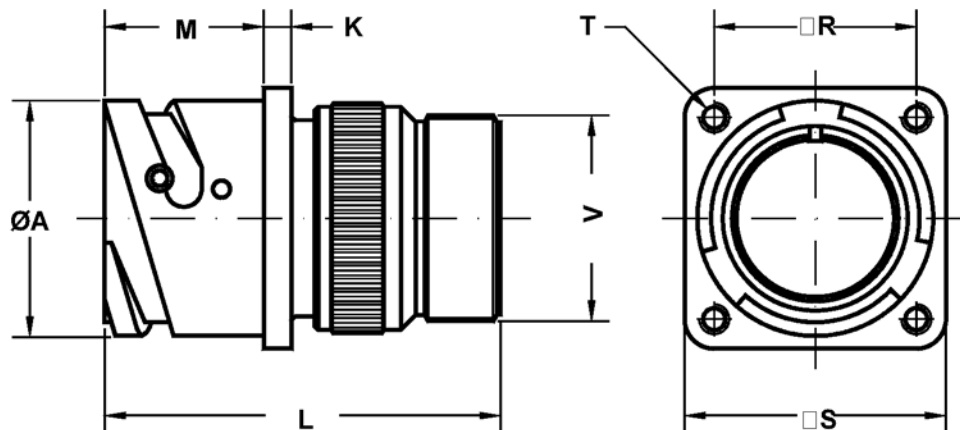
### Box mounting receptacle



| Shell size | DS1 |     |       |     | Y #16 |     |       |     | Y #12 |     |       |     | YL5 |     |       |   |
|------------|-----|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-----|-----|-------|---|
|            | A   | B   | C     | D   | A     | B   | C     | D   | A     | B   | C     | D   | A   | B   | C     | D |
| 10 SL      | 0.8 | 1.8 | 12.40 | 3.6 | -     | -   | -     | -   | -     | -   | -     | -   | -   | -   | -     | - |
| 14 S       | 0.8 | 1.8 | 11.70 | 3.6 | -     | -   | -     | -   | -     | -   | -     | -   | -   | -   | -     | - |
| 16 S       | 0.8 | 1.8 | 11.70 | 3.6 | -     | -   | -     | -   | -     | -   | -     | -   | -   | -   | -     | - |
| 16         | 0.8 | 1.8 | 13.60 | 3.6 | 0.8   | 1.8 | 16.85 | 3.5 | 1.8   | 3.4 | 16.85 | 3.5 | 0.8 | 1.8 | 16.85 | 5 |
| 18         | 0.8 | 1.8 | 13.60 | 3.6 | 0.8   | 1.8 | 16.85 | 3.5 | 1.8   | 3.4 | 16.85 | 3.5 | 0.8 | 1.8 | 16.85 | 5 |
| 20         | 0.8 | 1.8 | 13.60 | 3.6 | 0.8   | 1.8 | 16.85 | 3.5 | 1.8   | 3.4 | 16.85 | 3.5 | 0.8 | 1.8 | 16.85 | 5 |
| 22         | 0.8 | 1.8 | 13.60 | 3.6 | 0.8   | 1.8 | 16.85 | 3.5 | 1.8   | 3.4 | 16.85 | 3.5 | 0.8 | 1.8 | 16.85 | 5 |
| 24         | 0.8 | 1.8 | 13.60 | 3.6 | 0.8   | 1.8 | 16.85 | 3.5 | 1.8   | 3.4 | 16.85 | 3.5 | 0.8 | 1.8 | 16.85 | 5 |
| 28         | 0.8 | 1.8 | 13.30 | 3.6 | 0.8   | 1.8 | 16.55 | 3.5 | 1.8   | 3.4 | 16.55 | 3.5 | 0.8 | 1.8 | 16.55 | 5 |
| 32         | -   | -   | -     | -   | 0.8   | 1.8 | 15.95 | 3.5 | 1.8   | 3.4 | 15.95 | 3.5 | 0.8 | 1.8 | 18.80 | 5 |
| 36         | -   | -   | -     | -   | 0.8   | 1.8 | 15.95 | 3.5 | 1.8   | 3.4 | 15.95 | 3.5 | 0.8 | 1.8 | 18.80 | 5 |
| 40         | -   | -   | -     | -   | 0.8   | 1.8 | 15.75 | 3.5 | 1.8   | 3.4 | 15.75 | 3.5 | 0.8 | 1.8 | 18.60 | 5 |

Box mounting square flange receptacle for rear panel mounting with PCB contacts.

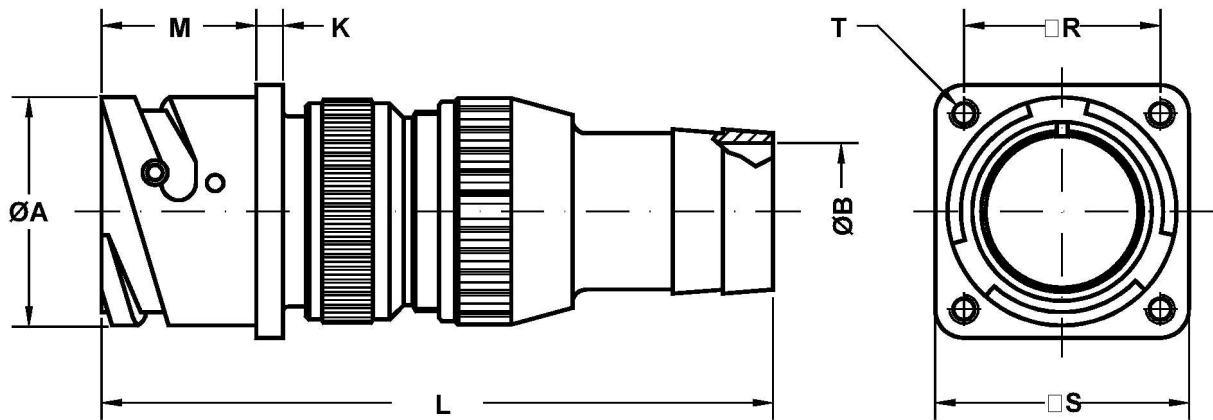
**CM1 31030 A**  
**CM1 41030 A**  
**Box mounting receptacle**



| Shell size   | ØA<br>+0<br>-0.1 | K<br>±0.2 | L<br>Max. | M<br>+0.2<br>-0 | R<br>±0.1 | S<br>+0.2 | T thread | V thread        |
|--------------|------------------|-----------|-----------|-----------------|-----------|-----------|----------|-----------------|
| <b>10 SL</b> | 18.2             | 2.8       | 49.0      | 18.5            | 18.25     | 25.4      | M4       | 0.6250 - 24UNEF |
| <b>14 S</b>  | 24.5             | 3.3       | 51.5      | 18.5            | 23.00     | 30.4      | M4       | 0.7500 - 20UNEF |
| <b>16 S</b>  | 27.2             | 3.3       | 51.5      | 18.5            | 24.60     | 32.5      | M4       | 0.8750 - 20UNEF |
| <b>16</b>    | 27.2             | 3.3       | 63.0      | 23.2            | 24.60     | 32.5      | M4       | 0.8750 - 20UNEF |
| <b>18</b>    | 30.7             | 4.0       | 63.0      | 23.2            | 27.00     | 35.0      | M4       | 1.0000 - 20UNEF |
| <b>20</b>    | 34.0             | 4.0       | 63.0      | 23.2            | 29.40     | 38.0      | M4       | 1.1875 - 18UNEF |
| <b>22</b>    | 37.3             | 4.0       | 63.0      | 23.2            | 31.75     | 41.0      | M4       | 1.1875 - 18UNEF |
| <b>24</b>    | 40.9             | 4.0       | 64.5      | 23.2            | 34.90     | 44.5      | M4       | 1.4375 - 18UNEF |
| <b>28</b>    | 46.7             | 4.0       | 71.0      | 24.4            | 39.70     | 50.9      | M5       | 1.4375 - 18UNEF |
| <b>32</b>    | 53.4             | 4.0       | 76.5      | 24.2            | 44.45     | 57.0      | M5       | 1.7500 - 18UNS  |
| <b>36</b>    | 59.6             | 4.0       | 82.0      | 24.2            | 49.20     | 63.5      | M5       | 2.0000 - 18UNS  |
| <b>40</b>    | 65.5             | 4.0       | 82.0      | 24.4            | 55.55     | 69.9      | M5       | 2.2500 - 16UN   |

Square flange receptacle for rear panel mounting.  
Includes backshell for cable clamp  
**CM3057-XX A/B/C.**  
No grommet supplied.

**CM1 31030 A ... BR\_\_**  
**CM1 41030 A ... BR\_\_**  
**Box mounting receptacle**

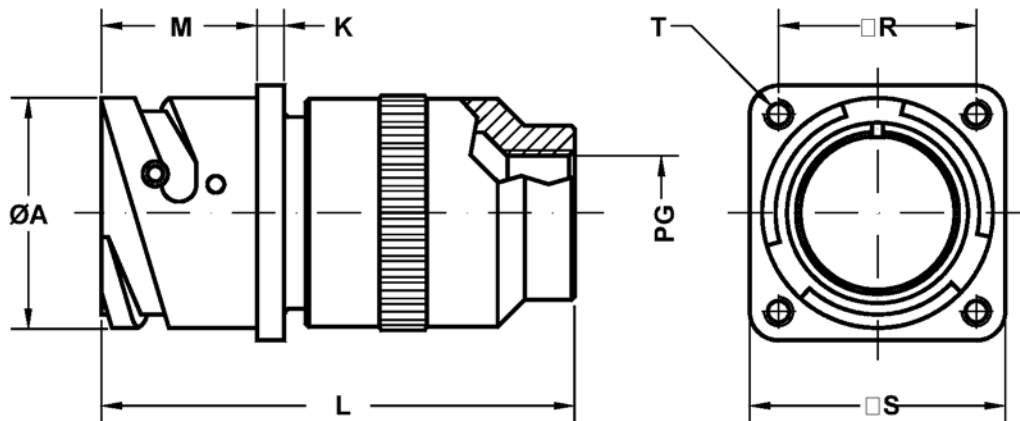


| Shell size | ØA<br>+0<br>-0.1 | ØB<br>±0.1 | K<br>±0.2 | L<br>Max. | M<br>+0.2<br>-0 | R<br>±0.1 | S<br>+0.2 | T thread |
|------------|------------------|------------|-----------|-----------|-----------------|-----------|-----------|----------|
| 10 SL      | 18.2             |            | 2.8       | 95.0      | 18.5            | 18.25     | 25.4      | M4       |
| 14 S       | 24.5             |            | 3.3       | 96.5      | 18.5            | 23.00     | 30.4      | M4       |
| 16 S       | 27.2             |            | 3.3       | 96.5      | 18.5            | 24.60     | 32.5      | M4       |
| 16         | 27.2             |            | 3.3       | 108.0     | 23.2            | 24.60     | 32.5      | M4       |
| 18         | 30.7             |            | 4.0       | 108.0     | 23.2            | 27.00     | 35.0      | M4       |
| 20         | 34.0             |            | 4.0       | 108.0     | 23.2            | 29.40     | 38.0      | M4       |
| 22         | 37.3             |            | 4.0       | 108.0     | 23.2            | 31.75     | 41.0      | M4       |
| 24         | 40.9             |            | 4.0       | 109.5     | 23.2            | 34.90     | 44.5      | M4       |
| 28         | 46.7             |            | 4.0       | 116.0     | 24.4            | 39.70     | 50.9      | M5       |
| 32         | 53.4             |            | 4.0       | 121.5     | 24.2            | 44.45     | 57.0      | M5       |
| 36         | 59.6             |            | 4.0       | 127.0     | 24.2            | 49.20     | 63.5      | M5       |
| 40         | 65.5             |            | 4.0       | 127.0     | 24.4            | 55.55     | 69.9      | M5       |

Square flange receptacle for rear panel mounting.  
Includes backshell and termination for UNI4883 rubber conduits.  
No grommet supplied.

CM1 31030 A ... PG\_\_  
CM1 41030 A ... PG\_\_

Box mounting receptacle



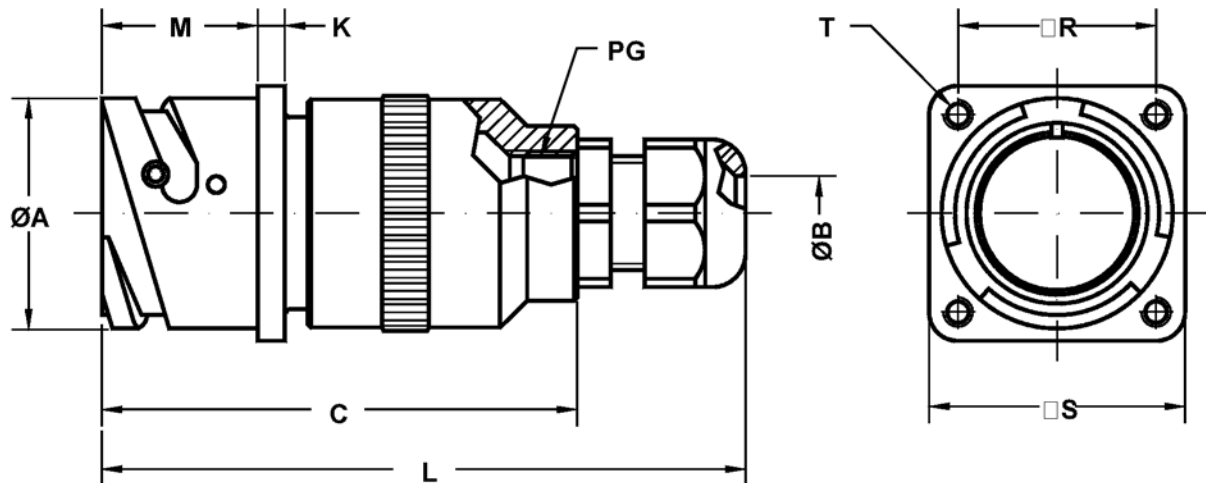
| Shell size | ØA<br>+0<br>-0.1 | K<br>±0.2 | L<br>Max. | M<br>+0.2<br>-0 | PG thread           | R<br>±0.1 | S<br>+0.2 | T thread |
|------------|------------------|-----------|-----------|-----------------|---------------------|-----------|-----------|----------|
| 10 SL      | 18.2             | 2.8       | 55.0      | 18.5            | 7 / 9 / 11          | 18.25     | 25.4      | M4       |
| 14 S       | 24.5             | 3.3       | 57.5      | 18.5            | 11 / 13.5           | 23.00     | 30.4      | M4       |
| 16 S       | 27.2             | 3.3       | 57.5      | 18.5            | 9 / 11 / 16         | 24.60     | 32.5      | M4       |
| 16         | 27.2             | 3.3       | 66.0      | 23.2            | 9 / 11 / 16         | 24.60     | 32.5      | M4       |
| 18         | 30.7             | 4.0       | 71.5      | 23.2            | 9 / 11 / 16 / 21    | 27.00     | 35.0      | M4       |
| 20         | 34.0             | 4.0       | 74.5      | 23.2            | 11 / 16 / 21        | 29.40     | 38.0      | M4       |
| 22         | 37.3             | 4.0       | 74.5      | 23.2            | 13.5 / 16 / 21      | 31.75     | 41.0      | M4       |
| 24         | 40.9             | 4.0       | 76.5      | 23.2            | 13.5 / 16 / 21 / 29 | 34.90     | 44.5      | M4       |
| 28         | 46.7             | 4.0       | 81.5      | 24.4            | 16 / 21 / 29        | 39.70     | 50.9      | M5       |
| 32         | 53.4             | 4.0       | 87.5      | 24.2            | 21 / 29             | 44.45     | 57.0      | M5       |
| 36         | 59.6             | 4.0       | 92.5      | 24.2            | 21 / 29 / 36        | 49.20     | 63.5      | M5       |
| 40         | 65.5             | 4.0       | 97.5      | 24.4            | 29 / 36             | 55.55     | 69.9      | M5       |

Square flange receptacle for rear panel mounting for use with PG cable glands (not included).

Other types of PG adaptors can be supplied in various sizes upon request.

No grommet supplied.

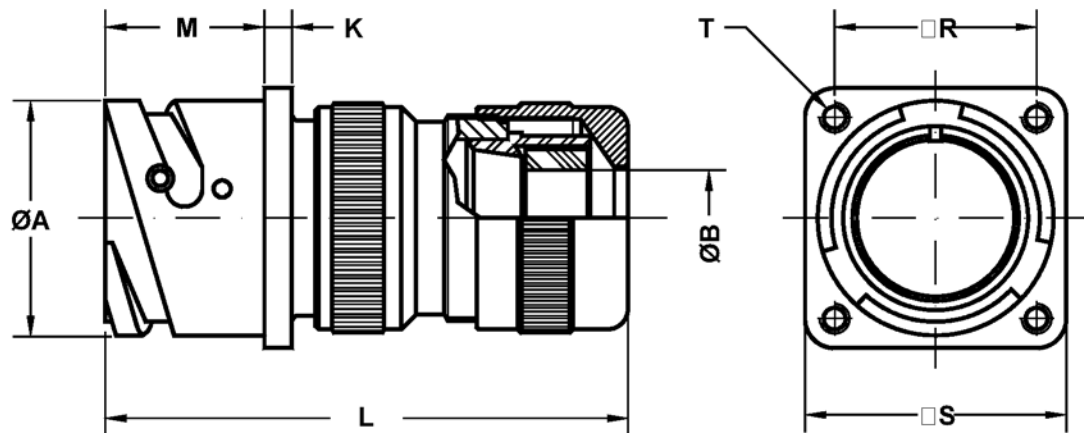
**CM1 31030 A ... PH\_\_**  
**CM1 41030 A ... PH\_\_**  
**Box mounting receptacle**



| Shell size | ØA<br>+0<br>-0.1 | ØB<br>min. ÷ Max.           | C<br>Max. | K<br>±0.2 | L<br>Max. | M<br>+0.2<br>-0 | PG thread           | R<br>±0.1 | S<br>+0.2 | T thread |
|------------|------------------|-----------------------------|-----------|-----------|-----------|-----------------|---------------------|-----------|-----------|----------|
| 10 SL      | 18.2             | 3÷6.5 / 4÷8 / 5÷10          | 55.0      | 2.8       | 81.0      | 18.5            | 7 / 9 / 11          | 18.25     | 25.4      | M4       |
| 14 S       | 24.5             | 5÷10 / 6÷12                 | 57.5      | 3.3       | 86.5      | 18.5            | 11 / 13.5           | 23.00     | 30.4      | M4       |
| 16 S       | 27.2             | 4÷8 / 5÷10 / 9÷14           | 57.5      | 3.3       | 88.5      | 18.5            | 9 / 11 / 16         | 24.60     | 32.5      | M4       |
| 16         | 27.2             | 4÷8 / 5÷10 / 9÷14           | 66.0      | 3.3       | 97.0      | 23.2            | 9 / 11 / 16         | 24.60     | 32.5      | M4       |
| 18         | 30.7             | 4÷8 / 5÷10 / 9÷14 / 13÷18   | 71.5      | 4.0       | 106.5     | 23.2            | 9 / 11 / 16 / 21    | 27.00     | 35.0      | M4       |
| 20         | 34.0             | 5÷10 / 9÷14 / 13÷18         | 74.5      | 4.0       | 109.5     | 23.2            | 11 / 16 / 21        | 29.40     | 38.0      | M4       |
| 22         | 37.3             | 6÷12 / 9÷14 / 13÷18         | 74.5      | 4.0       | 109.5     | 23.2            | 13.5 / 16 / 21      | 31.75     | 41.0      | M4       |
| 24         | 40.9             | 6÷12 / 9÷14 / 13÷18 / 15÷25 | 76.5      | 4.0       | 115.5     | 23.2            | 13.5 / 16 / 21 / 29 | 34.90     | 44.5      | M4       |
| 28         | 46.7             | 9÷14 / 13÷18 / 15÷25        | 81.5      | 4.0       | 120.5     | 24.4            | 16 / 21 / 29        | 39.70     | 50.9      | M5       |
| 32         | 53.4             | 13÷18 / 15÷25               | 87.5      | 4.0       | 126.5     | 24.2            | 21 / 29             | 44.45     | 57.0      | M5       |
| 36         | 59.6             | 13÷18 / 15÷25 / 20÷32       | 92.5      | 4.0       | 141.5     | 24.2            | 21 / 29 / 36        | 49.20     | 63.5      | M5       |
| 40         | 65.5             | 15÷25 / 20÷32               | 97.5      | 4.0       | 145.5     | 24.4            | 29 / 36             | 55.55     | 69.9      | M5       |

Square flange receptacle for rear panel mounting with backshell and PG cable gland.  
 Other types of PG adaptors can be supplied in various sizes upon request.  
 No grommet supplied.

**CM1 31030 A ... PHM\_\_**  
**CM1 41030 A ... PHM\_\_**  
**Box mounting receptacle**



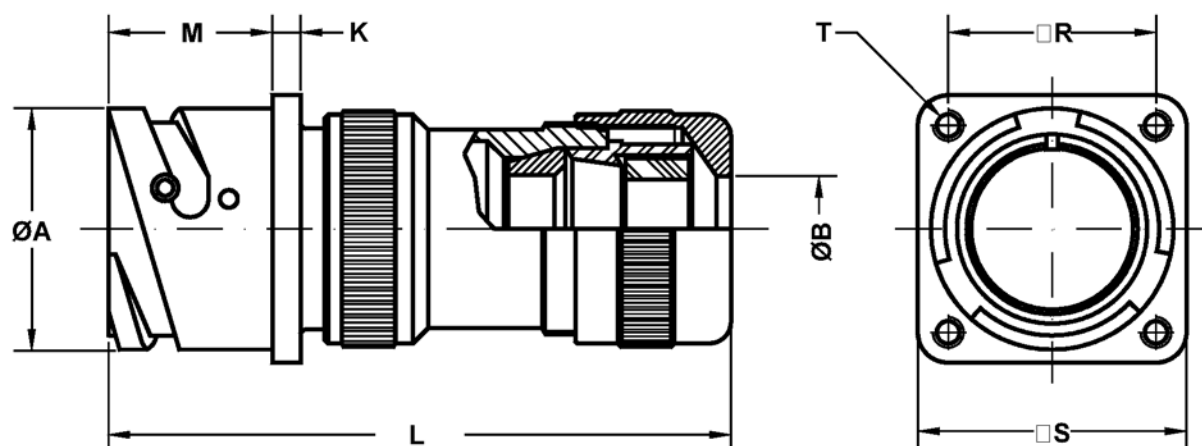
| Shell size | P.N. PHM     | ØA<br>+0<br>-0.1 | ØB<br>min. ÷ Max.      | K<br>±0.2 | L<br>Max. | M<br>+0.2<br>-0 | R<br>±0.1 | S<br>+0.2 | T thread |
|------------|--------------|------------------|------------------------|-----------|-----------|-----------------|-----------|-----------|----------|
| 10 SL      | 11           | 18.2             | 2÷11                   | 2.8       | 65        | 18.5            | 18.25     | 25.4      | M4       |
| 14 S       | 11           | 24.5             | 2÷11                   | 3.3       | 65        | 18.5            | 23.00     | 30.4      | M4       |
| 16 S       | 11           | 27.2             | 2÷11                   | 3.3       | 65        | 18.5            | 24.60     | 32.5      | M4       |
| 16         | 11           | 27.2             | 2÷11                   | 3.3       | 75        | 23.2            | 24.60     | 32.5      | M4       |
| 18         | 11 / 18      | 30.7             | 2÷11 / 2÷16.5          | 4.0       | 75        | 23.2            | 27.00     | 35.0      | M4       |
| 20         | 11 / 18      | 34.0             | 2÷11 / 2÷16.5          | 4.0       | 75        | 23.2            | 29.40     | 38.0      | M4       |
| 22         | 18           | 37.3             | 2÷16.5                 | 4.0       | 75        | 23.2            | 31.75     | 41.0      | M4       |
| 24         | 18 / 22 / 24 | 40.9             | 2÷16.5 / 15÷20 / 19÷24 | 4.0       | 85        | 23.2            | 34.90     | 44.5      | M4       |
| 28         | 18 / 22 / 24 | 46.7             | 2÷16.5 / 15÷20 / 19÷24 | 4.0       | 85        | 24.4            | 39.70     | 50.9      | M5       |
| 32         | 22 / 24      | 53.4             | 15÷20 / 19÷24          | 4.0       | 85        | 24.2            | 44.45     | 57.0      | M5       |
| 36         | 35           | 59.6             | 23÷35                  | 4.0       | 100       | 24.2            | 49.20     | 63.5      | M5       |
| 40         | 35           | 65.5             | 23÷35                  | 4.0       | 100       | 24.4            | 55.55     | 69.9      | M5       |

Square flange receptacle for rear panel mounting.

Includes a PHM cable clamp that assures an excellent mechanical and waterproof seal if used with the correct neoprene sealing sleeves.

No grommet supplied.

**CM1 31030 A ... PHM\_\_ EMI**  
**CM1 41030 A ... PHM\_\_ EMI**  
**Box mounting receptacle**

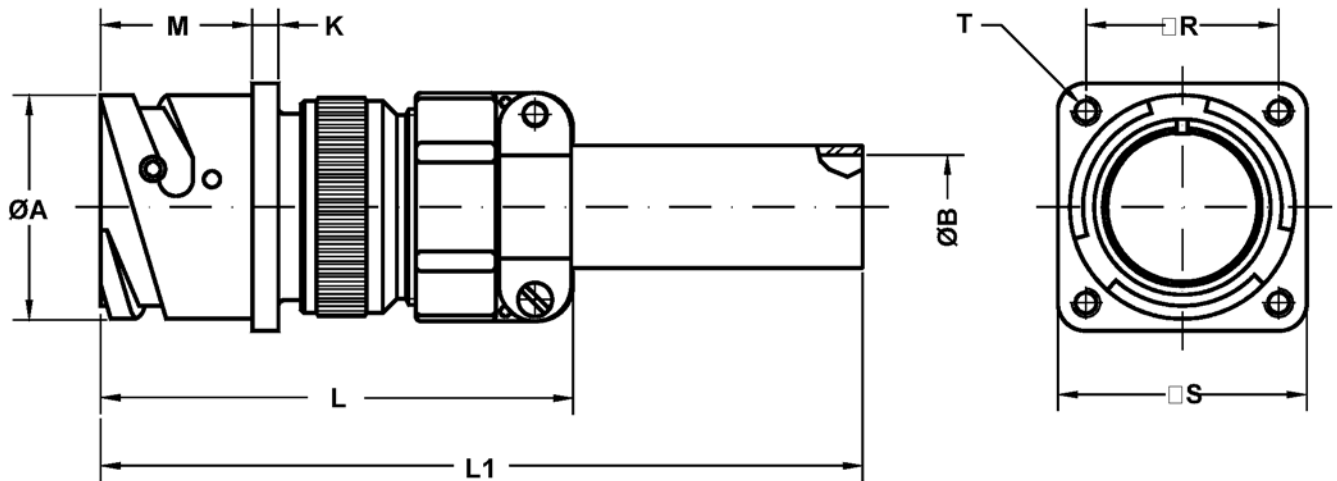


| Shell size | P.N. PHM     | ØA<br>+0<br>-0.1 | ØB<br>min. ÷ Max.      | K<br>±0.2 | L<br>Max. | M<br>+0.2<br>-0 | R<br>±0.1 | S<br>+0.2 | T thread |
|------------|--------------|------------------|------------------------|-----------|-----------|-----------------|-----------|-----------|----------|
| 10 SL      | 11           | 18.2             | 2÷11                   | 2.8       | 75        | 18.5            | 18.25     | 25.4      | M4       |
| 14 S       | 11           | 24.5             | 2÷11                   | 3.3       | 75        | 18.5            | 23.00     | 30.4      | M4       |
| 16 S       | 11           | 27.2             | 2÷11                   | 3.3       | 75        | 18.5            | 24.60     | 32.5      | M4       |
| 16         | 11           | 27.2             | 2÷11                   | 3.3       | 85        | 23.2            | 24.60     | 32.5      | M4       |
| 18         | 11 / 18      | 30.7             | 2÷11 / 2÷16.5          | 4.0       | 85        | 23.2            | 27.00     | 35.0      | M4       |
| 20         | 11 / 18      | 34.0             | 2÷11 / 2÷16.5          | 4.0       | 85        | 23.2            | 29.40     | 38.0      | M4       |
| 22         | 18           | 37.3             | 2÷16.5                 | 4.0       | 85        | 23.2            | 31.75     | 41.0      | M4       |
| 24         | 18 / 22 / 24 | 40.9             | 2÷16.5 / 15÷20 / 19÷24 | 4.0       | 95        | 23.2            | 34.90     | 44.5      | M4       |
| 28         | 18 / 22 / 24 | 46.7             | 2÷16.5 / 15÷20 / 19÷24 | 4.0       | 95        | 24.4            | 39.70     | 50.9      | M5       |
| 32         | 22 / 24      | 53.4             | 15÷20 / 19÷24          | 4.0       | 95        | 24.2            | 44.45     | 57.0      | M5       |
| 36         | 35           | 59.6             | 23÷35                  | 4.0       | 110       | 24.2            | 49.20     | 63.5      | M5       |
| 40         | 35           | 65.5             | 23÷35                  | 4.0       | 110       | 24.4            | 55.55     | 69.9      | M5       |

Square flange receptacle for rear panel mounting.

Includes a PHM cable clamp that assures an excellent mechanical and waterproof seal with multipolar shielded cables if used with the correct neoprene sealing sleeves.  
 No grommet supplied.

**CM1 31030 F**  
**CM1 41030 F**  
**Box mounting receptacle**



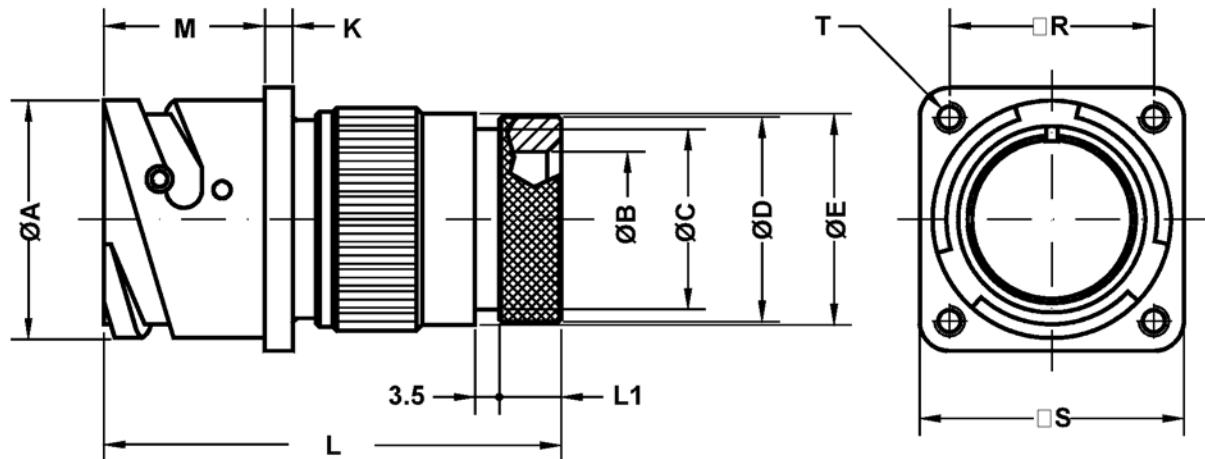
| Shell size | ØA<br>+0<br>-0.1 | ØB<br>±0.1 | K<br>±0.2 | L<br>Max. | L1<br>Max. | M<br>+0.2<br>-0 | R<br>±0.1 | S<br>+0.2 | T thread |
|------------|------------------|------------|-----------|-----------|------------|-----------------|-----------|-----------|----------|
| 10 SL      | 18.2             | 5.58       | 2.8       | 60.0      | 130        | 18.5            | 18.25     | 25.4      | M4       |
| 14 S       | 24.5             | 7.92       | 3.3       | 63.4      | 130        | 18.5            | 23.00     | 30.4      | M4       |
| 16 S       | 27.2             | 11.09      | 3.3       | 65.4      | 130        | 18.5            | 24.60     | 32.5      | M4       |
| 16         | 27.2             | 11.09      | 3.3       | 76.8      | 140        | 23.2            | 24.60     | 32.5      | M4       |
| 18         | 30.7             | 14.27      | 4.0       | 82.8      | 145        | 23.2            | 27.00     | 35.0      | M4       |
| 20         | 34.0             | 15.87      | 4.0       | 79.0      | 135        | 23.2            | 29.40     | 38.0      | M4       |
| 22         | 37.3             | 15.87      | 4.0       | 79.0      | 135        | 23.2            | 31.75     | 41.0      | M4       |
| 24         | 40.9             | 19.05      | 4.0       | 81.7      | 135        | 23.2            | 34.90     | 44.5      | M4       |
| 28         | 46.7             | 19.05      | 4.0       | 88.2      | 140        | 24.4            | 39.70     | 50.9      | M5       |
| 32         | 53.4             | 23.79      | 4.0       | 95.3      | 145        | 24.2            | 44.45     | 57.0      | M5       |
| 36         | 59.6             | 31.75      | 4.0       | 101.8     | 150        | 24.2            | 49.20     | 63.5      | M5       |
| 40         | 65.5             | 34.92      | 4.0       | 120.8     | 165        | 24.4            | 55.55     | 69.9      | M5       |

Square flange receptacle for rear panel mounting.

Includes insulating grommet, backshell, class A **CM3057** cable clamp and neoprene sleeve.

No grommet supplied.

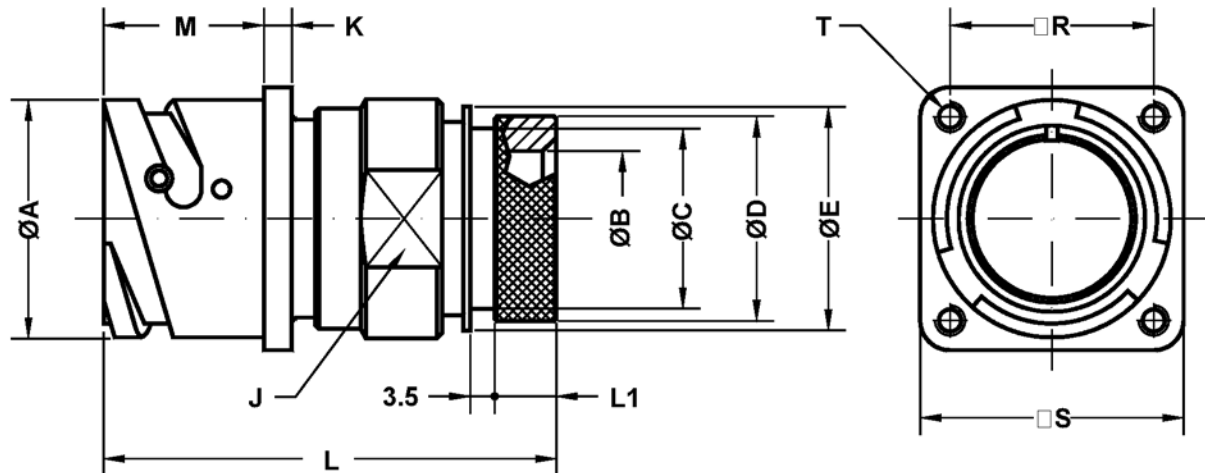
**CM1 31030 G**  
**CM1 41030 G**  
**Box mounting receptacle**



| Shell size | ØA<br>+0<br>-0.1 | ØB<br>min. | ØC<br>±0.1 | ØD<br>±0.2 | ØE<br>±0.2 | K<br>±0.2 | L<br>Max. | L1<br>Max. | M<br>+0.2<br>-0 | R<br>±0.1 | S<br>+0.2 | T thread |
|------------|------------------|------------|------------|------------|------------|-----------|-----------|------------|-----------------|-----------|-----------|----------|
| 10 SL      | 18.2             | 8.5        | 13.0       | 15.5       | 17.0       | 2.8       | 57.5      | 8.2        | 18.5            | 18.25     | 25.4      | M4       |
| 14 S       | 24.5             | 12.0       | 16.5       | 19.1       | 20.1       | 3.3       | 58.4      | 8.2        | 18.5            | 23.00     | 30.4      | M4       |
| 16 S       | 27.2             | 14.5       | 21.5       | 23.9       | 23.5       | 3.3       | 58.4      | 8.2        | 18.5            | 24.60     | 32.5      | M4       |
| 16         | 27.2             | 14.5       | 21.5       | 23.9       | 23.5       | 3.3       | 70.8      | 8.0        | 23.2            | 24.60     | 32.5      | M4       |
| 18         | 30.7             | 17.5       | 21.7       | 23.9       | 26.5       | 4.0       | 70.8      | 8.0        | 23.2            | 27.00     | 35.0      | M4       |
| 20         | 34.0             | 19.5       | 26.0       | 29.6       | 30.5       | 4.0       | 71.1      | 8.9        | 23.2            | 29.40     | 38.0      | M4       |
| 22         | 37.3             | 22.0       | 26.0       | 29.6       | 33.6       | 4.0       | 71.1      | 8.9        | 23.2            | 31.75     | 41.0      | M4       |
| 24         | 40.9             | 25.0       | 34.5       | 37.8       | 36.1       | 4.0       | 70.7      | 9.2        | 23.2            | 34.90     | 44.5      | M4       |
| 28         | 46.7             | 29.0       | 34.5       | 37.8       | 41.4       | 4.0       | 71.2      | 9.2        | 24.4            | 39.70     | 50.9      | M5       |
| 32         | 53.4             | 34.0       | 43.6       | 47.8       | 48.6       | 4.0       | 78.8      | 11.7       | 24.2            | 44.45     | 57.0      | M5       |
| 36         | 59.6             | 38.5       | 43.6       | 47.8       | 54.8       | 4.0       | 88.8      | 11.7       | 24.2            | 49.20     | 63.5      | M5       |
| 40         | 65.5             | 48.0       | 52.6       | 57.8       | 60.9       | 4.0       | 88.8      | 11.7       | 24.4            | 55.55     | 69.9      | M5       |

Square flange receptacle for rear panel mounting.  
Includes wire sealing grommet and backshell for heat shrink tubing.

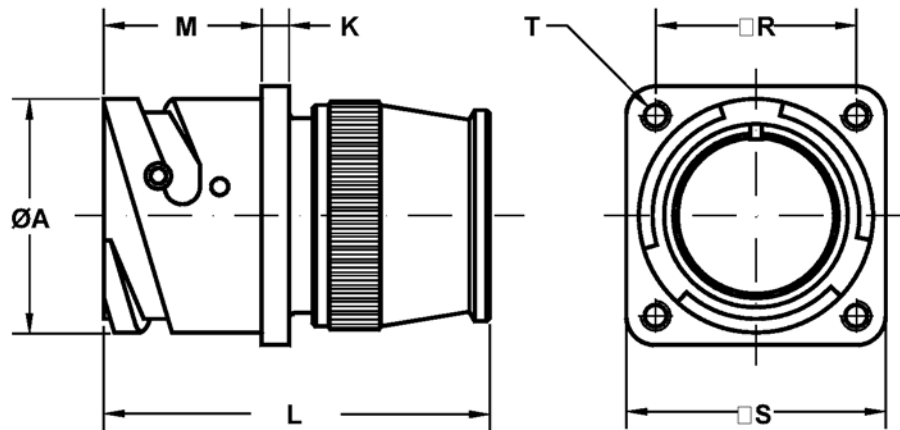
**CM1 31030 GR**  
**CM1 41030 GR**  
**Box mounting receptacle**



| Shell size | ØA<br>+0<br>-0.1 | ØB<br>min. | ØC<br>±0.1 | ØD<br>±0.2 | ØE<br>±0.2 | J key | K<br>±0.2 | L<br>Max. | L1<br>Max. | M<br>+0.2<br>-0 | R<br>±0.1 | S<br>+0.2 | T thread |
|------------|------------------|------------|------------|------------|------------|-------|-----------|-----------|------------|-----------------|-----------|-----------|----------|
| 10 SL      | 18.2             | 8.5        | 13.0       | 15.5       | 17.0       | 20    | 2.8       | 57.7      | 8.2        | 18.5            | 18.25     | 25.4      | M4       |
| 14 S       | 24.5             | 12.0       | 16.5       | 19.1       | 20.1       | 23    | 3.3       | 58.4      | 8.2        | 18.5            | 23.00     | 30.4      | M4       |
| 16 S       | 27.2             | 14.5       | 21.5       | 23.9       | 23.5       | 26    | 3.3       | 58.4      | 8.2        | 18.5            | 24.60     | 32.5      | M4       |
| 16         | 27.2             | 14.5       | 21.5       | 23.9       | 23.5       | 26    | 3.3       | 70.8      | 8.0        | 23.2            | 24.60     | 32.5      | M4       |
| 18         | 30.7             | 17.5       | 21.7       | 23.9       | 26.5       | 28    | 4.0       | 70.8      | 8.0        | 23.2            | 27.00     | 35.0      | M4       |
| 20         | 34.0             | 19.5       | 26.0       | 29.6       | 30.5       | 32    | 4.0       | 71.1      | 8.9        | 23.2            | 29.40     | 38.0      | M4       |
| 22         | 37.3             | 22.0       | 26.0       | 29.6       | 33.6       | 36    | 4.0       | 71.1      | 8.9        | 23.2            | 31.75     | 41.0      | M4       |
| 24         | 40.9             | 25.0       | 34.5       | 37.8       | 36.1       | 39    | 4.0       | 70.7      | 9.2        | 23.2            | 34.90     | 44.5      | M4       |
| 28         | 46.7             | 29.0       | 34.5       | 37.8       | 41.4       | 46    | 4.0       | 71.2      | 9.2        | 24.4            | 39.70     | 50.9      | M5       |
| 32         | 53.4             | 34.0       | 43.6       | 47.8       | 48.6       | 52    | 4.0       | 78.8      | 11.7       | 24.2            | 44.45     | 57.0      | M5       |
| 36         | 59.6             | 38.5       | 43.6       | 47.8       | 54.8       | 58    | 4.0       | 88.8      | 11.7       | 24.2            | 49.20     | 63.5      | M5       |
| 40         | 65.5             | 48.0       | 52.6       | 57.8       | 60.9       | 65    | 4.0       | 88.8      | 11.7       | 24.4            | 55.55     | 69.9      | M5       |

Square flange receptacle for rear panel mounting.  
Includes wire sealing grommet and backshell with rotating clamp nut for heat shrink tubing.

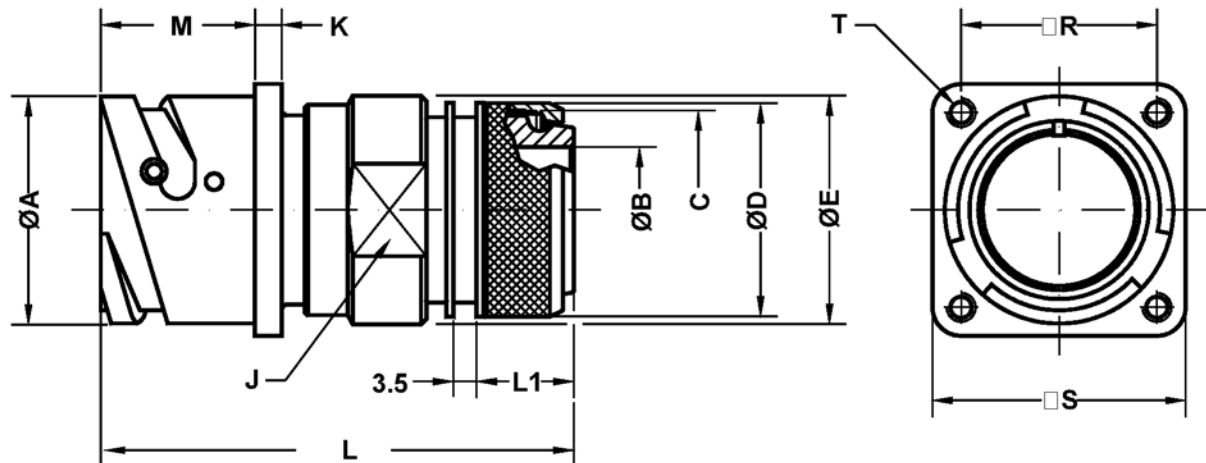
**CM1 31030 RS  
CM1 41030 RS  
Box mounting receptacle**



| Shell size | ØA<br>+0<br>-0.1 | K<br>±0.2 | L<br>Max. | M<br>+0.2<br>-0 | R<br>±0.1 | S<br>+0.2 | T thread |
|------------|------------------|-----------|-----------|-----------------|-----------|-----------|----------|
| 10 SL      | 18.2             | 2.8       | 43.0      | 18.5            | 18.25     | 25.4      | M4       |
| 14 S       | 24.5             | 3.3       | 52.5      | 18.5            | 23.00     | 30.4      | M4       |
| 16 S       | 27.2             | 3.3       | 50.5      | 18.5            | 24.60     | 32.5      | M4       |
| 16         | 27.2             | 3.3       | 60.5      | 23.2            | 24.60     | 32.5      | M4       |
| 18         | 30.7             | 4.0       | 60.5      | 23.2            | 27.00     | 35.0      | M4       |
| 20         | 34.0             | 4.0       | 60.5      | 23.2            | 29.40     | 38.0      | M4       |
| 22         | 37.3             | 4.0       | 60.5      | 23.2            | 31.75     | 41.0      | M4       |
| 24         | 40.9             | 4.0       | 63.5      | 23.2            | 34.90     | 44.5      | M4       |
| 28         | 46.7             | 4.0       | 63.5      | 24.4            | 39.70     | 50.9      | M5       |
| 32         | 53.4             | 4.0       | 63.5      | 24.2            | 44.45     | 57.0      | M5       |
| 36         | 59.6             | 4.0       | 63.5      | 24.2            | 49.20     | 63.5      | M5       |
| 40         | 65.5             | 4.0       | 63.5      | 24.4            | 55.55     | 69.9      | M5       |

Square flange receptacle for rear panel mounting.  
Includes wire sealing grommet and backshell. For use with individual wires.

**CM1 31030 SP**  
**CM1 41030 SP**  
**Box mounting receptacle**

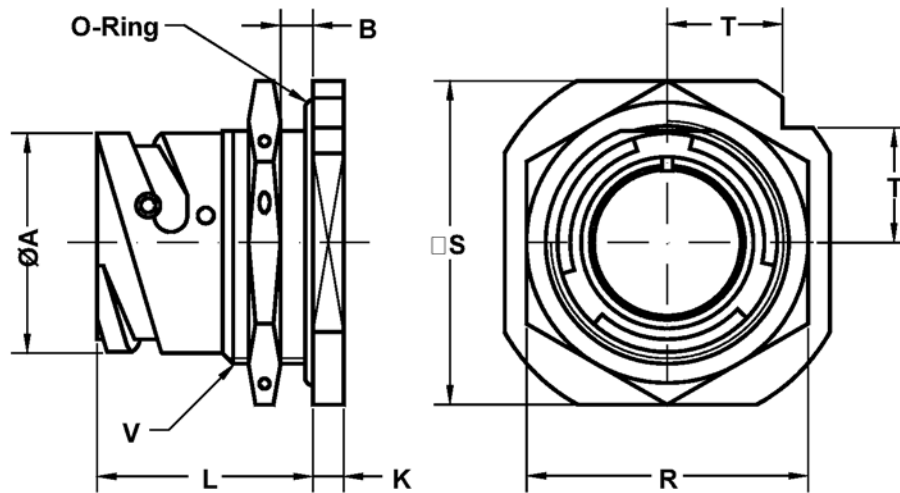


| Shell size | ØA<br>+0<br>-0.1 | ØB<br>min. | C thread | ØD<br>±0.2 | ØE<br>±0.2 | J key | K<br>±0.2 | L<br>Max. | L1<br>Max. | M<br>+0.2<br>-0 | R<br>±0.1 | S<br>+0.2 | T thread |
|------------|------------------|------------|----------|------------|------------|-------|-----------|-----------|------------|-----------------|-----------|-----------|----------|
| 10 SL      | 18.2             | 8.5        | M16 x 1  | 18.5       | 22.0       | 20    | 2.8       | 57.0      | 13.5       | 18.5            | 18.25     | 25.4      | M4       |
| 14 S       | 24.5             | 12.0       | M20 x 1  | 22.3       | 25.0       | 23    | 3.3       | 57.0      | 13.5       | 18.5            | 23.00     | 30.4      | M4       |
| 16 S       | 27.2             | 14.5       | M23 x 1  | 25.3       | 28.0       | 26    | 3.3       | 59.0      | 14.6       | 18.5            | 24.60     | 32.5      | M4       |
| 16         | 27.2             | 14.5       | M23 x 1  | 25.3       | 28.0       | 26    | 3.3       | 68.0      | 14.6       | 23.2            | 24.60     | 32.5      | M4       |
| 18         | 30.7             | 17.5       | M26 x 1  | 28.0       | 30.0       | 28    | 4.0       | 69.5      | 14.6       | 23.2            | 27.00     | 35.0      | M4       |
| 20         | 34.0             | 19.5       | M30 x 1  | 32.3       | 34.5       | 32    | 4.0       | 69.5      | 14.6       | 23.2            | 29.40     | 38.0      | M4       |
| 22         | 37.3             | 22.0       | M32 x 1  | 34.3       | 38.0       | 36    | 4.0       | 69.5      | 14.6       | 23.2            | 31.75     | 41.0      | M4       |
| 24         | 40.9             | 25.0       | M36 x 1  | 38.3       | 41.0       | 39    | 4.0       | 71.0      | 14.6       | 23.2            | 34.90     | 44.5      | M4       |
| 28         | 46.7             | 29.0       | M39 x 1  | 41.2       | 48.0       | 46    | 4.0       | 71.0      | 14.6       | 24.4            | 39.70     | 50.9      | M5       |
| 32         | 53.4             | 34.0       | M45 x 1  | 48.3       | 54.0       | 52    | 4.0       | 72.5      | 14.6       | 24.2            | 44.45     | 57.0      | M5       |
| 36         | 59.6             | 38.5       | M52 x 1  | 55.0       | 61.0       | 58    | 4.0       | 73.0      | 15.5       | 24.2            | 49.20     | 63.5      | M5       |
| 40         | 65.5             | 48.0       | M59 x 1  | 62.0       | 68.0       | 65    | 4.0       | 73.0      | 15.5       | 24.4            | 55.55     | 69.9      | M5       |

Square flange receptacle for rear panel mounting.

Includes wire sealing grommet and backshell with rotating clamp nut. Shielded cable is terminated with a "braid trap" nut and heat shrink tubing (optional).

**CM1 3107 A / CM1 3107 R**  
**CM1 4107 A / CM1 4107 R**  
**Jam nut receptacle**

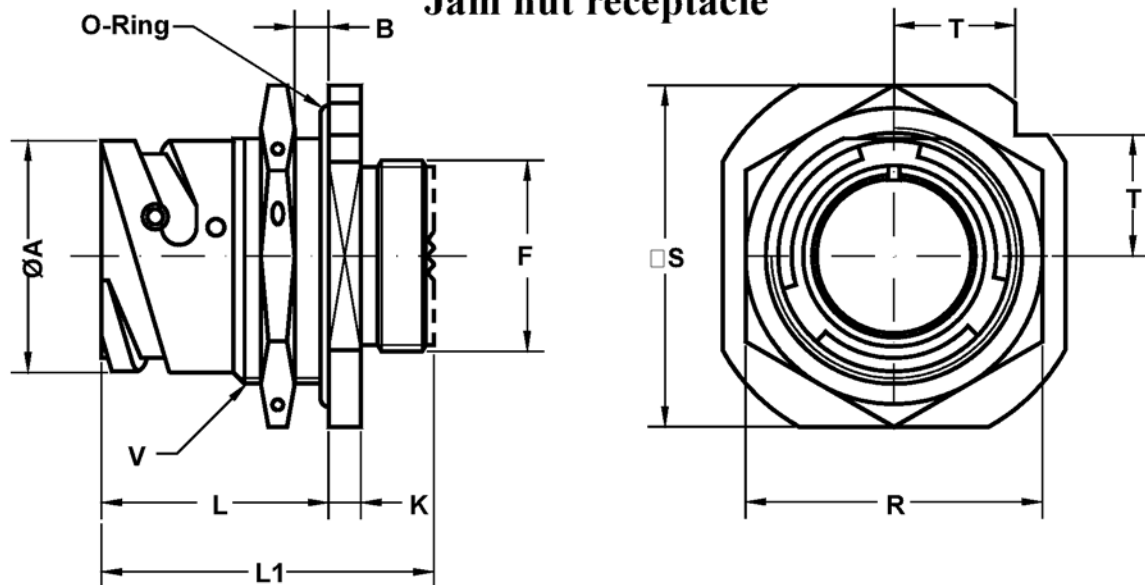


| Shell size | ØA<br>+0<br>-0.1 | ØB   |      | K<br>±0.2 | L<br>±0.1 | R key | S<br>+0.2 | T    | V thread         |
|------------|------------------|------|------|-----------|-----------|-------|-----------|------|------------------|
|            |                  | min. | Max. |           |           |       |           |      |                  |
| 10 SL      | 18.2             | 2.4  | 5.2  | 4.0       | 24.5      | 27    | 31.8      | 11.2 | 0.8750 - 20UNEF  |
| 14 S       | 24.5             | 2.4  | 7.5  | 4.8       | 26.8      | 33    | 41.3      | 14.6 | 1.1250 - 18UNEF  |
| 16 S       | 27.2             | 2.4  | 7.5  | 4.8       | 26.8      | 38    | 44.4      | 15.7 | 1.2500 - 18UNEF  |
| 16         | 27.2             | 2.4  | 7.5  | 4.8       | 32.2      | 38    | 44.4      | 15.7 | 1.2500 - 18UNEF  |
| 18         | 30.7             | 2.4  | 9.0  | 4.8       | 33.7      | 40    | 47.6      | 16.8 | 1.3750 - 18 UNEF |
| 20         | 34.0             | 2.4  | 9.0  | 4.8       | 33.7      | 44    | 50.8      | 18.0 | 1.5000 - 18UNEF  |
| 22         | 37.3             | 2.4  | 9.1  | 4.8       | 33.7      | 46    | 54.2      | 20.2 | 1.6250 - 18UNEF  |
| 24         | 40.9             | 2.4  | 9.1  | 4.8       | 33.7      | 51    | 57.2      | 20.2 | 1.7500 - 18UNS   |
| 28         | 46.7             | 2.4  | 8.5  | 5.6       | 35.2      | 55    | 63.5      | 22.5 | 2.0000 - 18UNS   |
| 32         | 53.4             | 2.4  | 6.5  | 5.6       | 35.2      | 62    | 69.8      | 24.7 | 2.2500 - 16UN    |
| 36         | 59.6             | 2.4  | 8.3  | 5.6       | 35.2      | 71    | 76.2      | 26.9 | 2.5000 - 16UN    |
| 40         | 65.5             | 2.4  | 8.3  | 5.6       | 35.2      | 75    | 83.5      | 29.6 | 2.7500 - 16UN    |

Jam nut receptacle for rear panel single hole  
mounting

**CM1 31070 A / CM1 31070 R**  
**CM1 41070 A / CM1 41070 R**

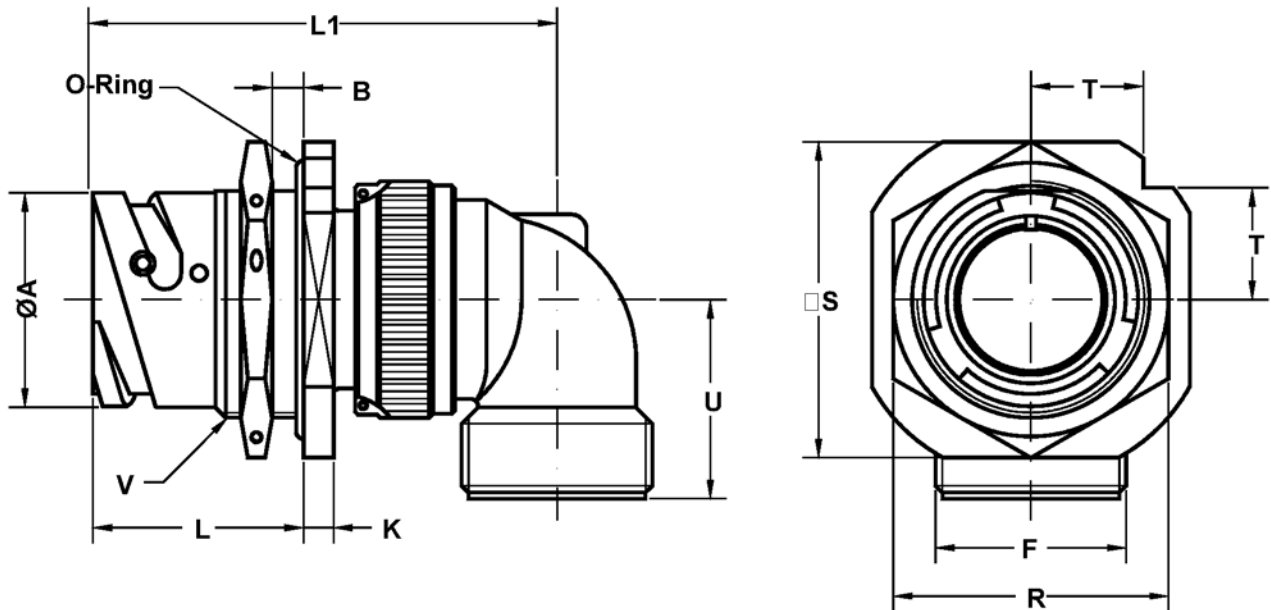
**Jam nut receptacle**



| Shell size | ØA<br>+0<br>-0.1 | ØB   |      | F thread         | ±0.2 | K<br>±0.1 | L<br>±0.25 | L1<br>R key | S<br>+0.2 | T    | V thread         |
|------------|------------------|------|------|------------------|------|-----------|------------|-------------|-----------|------|------------------|
|            |                  | min. | Max. |                  |      |           |            |             |           |      |                  |
| 10 SL      | 18.2             | 2.4  | 5.2  | 0.6250 - 24UNEF  | 4.0  | 24.5      | 36.2       | 27          | 31.8      | 11.2 | 0.8750 - 20UNEF  |
| 14 S       | 24.5             | 2.4  | 7.5  | 0.7500 - 20UNEF  | 4.8  | 26.8      | 38.9       | 33          | 41.3      | 14.6 | 1.1250 - 18UNEF  |
| 16 S       | 27.2             | 2.4  | 7.5  | 0.8750 - 20UNEF  | 4.8  | 26.8      | 38.9       | 38          | 44.4      | 15.7 | 1.2500 - 18UNEF  |
| 16         | 27.2             | 2.4  | 7.5  | 0.8750 - 20UNEF  | 4.8  | 32.2      | 48.5       | 38          | 44.4      | 15.7 | 1.2500 - 18UNEF  |
| 18         | 30.7             | 2.4  | 9.0  | 1.0000 - 20UNEF  | 4.8  | 33.7      | 49.3       | 40          | 47.6      | 16.8 | 1.3750 - 18 UNEF |
| 20         | 34.0             | 2.4  | 9.0  | 1.1250 - 18UNEF  | 4.8  | 33.7      | 49.3       | 44          | 50.8      | 18.0 | 1.5000 - 18UNEF  |
| 22         | 37.3             | 2.4  | 9.1  | 1.2500 - 18UNEF  | 4.8  | 33.7      | 49.3       | 46          | 54.2      | 20.2 | 1.6250 - 18UNEF  |
| 24         | 40.9             | 2.4  | 9.1  | 1.3750 - 18 UNEF | 4.8  | 33.7      | 49.3       | 51          | 57.2      | 20.2 | 1.7500 - 18UNS   |
| 28         | 46.7             | 2.4  | 8.5  | 1.6250 - 18UNEF  | 5.6  | 35.2      | 51.9       | 55          | 63.5      | 22.5 | 2.0000 - 18UNS   |
| 32         | 53.4             | 2.4  | 6.5  | 1.8750 - 16UN    | 5.6  | 35.2      | 51.9       | 62          | 69.8      | 24.7 | 2.2500 - 16UN    |
| 36         | 59.6             | 2.4  | 8.3  | 2.0625 - 16UNS   | 5.6  | 35.2      | 51.9       | 71          | 76.2      | 26.9 | 2.5000 - 16UN    |
| 40         | 65.5             | 2.4  | 8.3  | 2.3125 - 16UNS   | 5.6  | 35.2      | 51.9       | 75          | 83.5      | 29.6 | 2.7500 - 16UN    |

Jam nut receptacle for rear panel single hole mounting with rear thread for the use of various types of backshells.

**CM1 31078 A / CM1 31078 R**  
**CM1 41078 A / CM1 41078 R**  
**Jam nut receptacle**



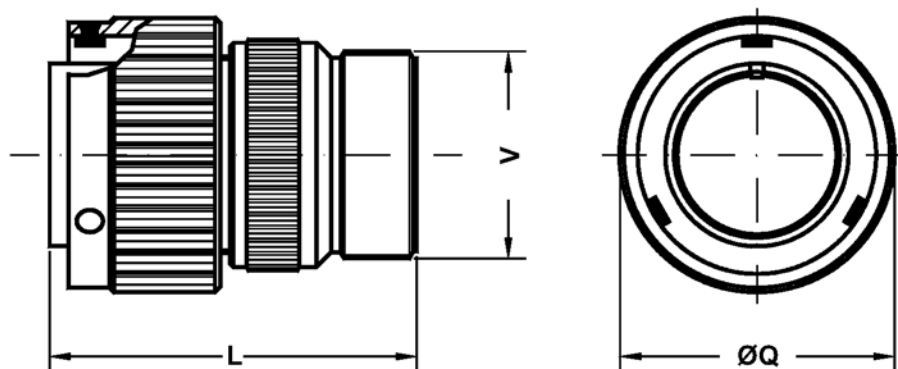
| Shell size | ØA         | ØB   |      | F thread        | ±0.2 | ±0.1 | K  | L  | L1   | S    | T    | U                | V thread |
|------------|------------|------|------|-----------------|------|------|----|----|------|------|------|------------------|----------|
|            | +0<br>-0.1 | min. | Max. |                 |      |      |    |    |      |      |      |                  |          |
| 10 SL      | 18.2       | 2.4  | 5.2  | 0.6250 - 24UNEF | 4.0  | 24.5 | 50 | 27 | 31.8 | 11.2 | 25.0 | 0.8750 - 20UNEF  |          |
| 14 S       | 24.5       | 2.4  | 7.5  | 0.7500 - 20UNEF | 4.8  | 26.8 | 55 | 33 | 41.3 | 14.6 | 26.5 | 1.1250 - 18UNEF  |          |
| 16 S       | 27.2       | 2.4  | 7.5  | 0.8750 - 20UNEF | 4.8  | 26.8 | 58 | 38 | 44.4 | 15.7 | 27.0 | 1.2500 - 18UNEF  |          |
| 16         | 27.2       | 2.4  | 7.5  | 0.8750 - 20UNEF | 4.8  | 32.2 | 68 | 38 | 44.4 | 15.7 | 27.0 | 1.2500 - 18UNEF  |          |
| 18         | 30.7       | 2.4  | 9.0  | 1.0000 - 20UNEF | 4.8  | 33.7 | 70 | 40 | 47.6 | 16.8 | 30.0 | 1.3750 - 18 UNEF |          |
| 20         | 34.0       | 2.4  | 9.0  | 1.1875 - 18UNEF | 4.8  | 33.7 | 75 | 44 | 50.8 | 18.0 | 32.0 | 1.5000 - 18UNEF  |          |
| 22         | 37.3       | 2.4  | 9.1  | 1.1875 - 18UNEF | 4.8  | 33.7 | 75 | 46 | 54.2 | 20.2 | 32.0 | 1.6250 - 18UNEF  |          |
| 24         | 40.9       | 2.4  | 9.1  | 1.4375 - 18UNEF | 4.8  | 33.7 | 79 | 51 | 57.2 | 20.2 | 37.0 | 1.7500 - 18UNS   |          |
| 28         | 46.7       | 2.4  | 8.5  | 1.4375 - 18UNEF | 5.6  | 35.2 | 81 | 55 | 63.5 | 22.5 | 38.0 | 2.0000 - 18UNS   |          |
| 32         | 53.4       | 2.4  | 6.5  | 1.7500 - 18UNS  | 5.6  | 35.2 | 85 | 62 | 69.8 | 24.7 | 45.5 | 2.2500 - 16UN    |          |
| 36         | 59.6       | 2.4  | 8.3  | 2.0000 - 18UNS  | 5.6  | 35.2 | 88 | 71 | 76.2 | 26.9 | 47.2 | 2.5000 - 16UN    |          |
| 40         | 65.5       | 2.4  | 8.3  | 2.2500 - 16UN   | 5.6  | 35.2 | 91 | 75 | 83.5 | 29.6 | 52.0 | 2.7500 - 16UN    |          |

Jam nut receptacle for rear panel single hole mounting.  
Includes a 90° backshell and a wire sealing grommet in class R.



**CM1 3106 A / CM1 3106 R**  
**CM1 4106 A / CM1 4106 R**

**Straight plug**



| Shell size   | L<br>Max. | ØQ<br>±0.2 | V thread        |
|--------------|-----------|------------|-----------------|
| <b>10 SL</b> | 44.0      | 22.6       | 0.6250 - 24UNEF |
| <b>14 S</b>  | 46.4      | 29.0       | 0.7500 - 20UNEF |
| <b>16 S</b>  | 46.4      | 31.6       | 0.8750 - 20UNEF |
| <b>16</b>    | 57.8      | 31.6       | 0.8750 - 20UNEF |
| <b>18</b>    | 57.8      | 36.2       | 1.0000 - 20UNEF |
| <b>20</b>    | 58.1      | 39.8       | 1.1875 - 18UNEF |
| <b>22</b>    | 58.1      | 43.0       | 1.1875 - 18UNEF |
| <b>24</b>    | 59.7      | 46.4       | 1.4375 - 18UNEF |
| <b>28</b>    | 66.2      | 53.0       | 1.4375 - 18UNEF |
| <b>32</b>    | 71.3      | 60.0       | 1.7500 - 18UNS  |
| <b>36</b>    | 76.8      | 66.2       | 2.0000 - 18UNS  |
| <b>40</b>    | 76.8      | 72.3       | 2.2500 - 16UN   |

Straight plug.

Includes backshell for cable clamp

**CM3057-XX A/B/C.**

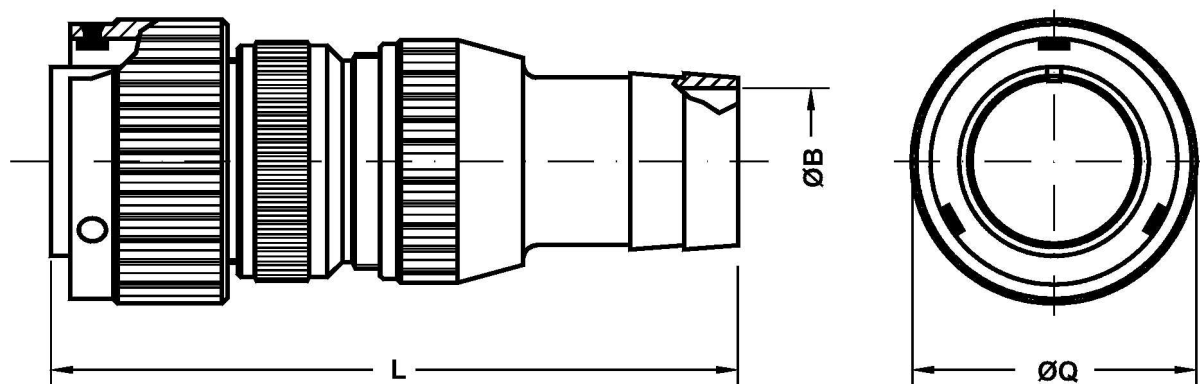
No grommet supplied.



CM1 3106 A ... BR\_\_

CM1 4106 A ... BR\_\_

Straight plug



| Shell size | ØB<br>±0.1 | L<br>Max. | ØQ<br>±0.2 |
|------------|------------|-----------|------------|
| 10 SL      |            | 90.0      | 22.6       |
| 14 S       |            | 91.5      | 29.0       |
| 16 S       |            | 91.5      | 31.6       |
| 16         |            | 103.0     | 31.6       |
| 18         |            | 103.0     | 36.2       |
| 20         |            | 103.0     | 39.8       |
| 22         |            | 103.0     | 43.0       |
| 24         |            | 104.5     | 46.4       |
| 28         |            | 111.0     | 53.0       |
| 32         |            | 116.5     | 60.0       |
| 36         |            | 122.0     | 66.2       |
| 40         |            | 122.0     | 72.3       |

Straight plug.

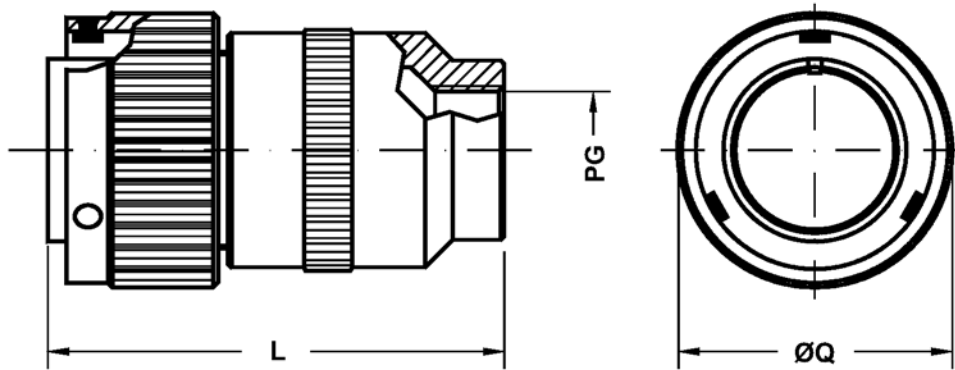
Includes backshell and termination for  
UNI4883 rubber conduits.

No grommet supplied.

CM1 3106 A ... PG\_\_

CM1 4106 A ... PG\_\_

**Straight plug**



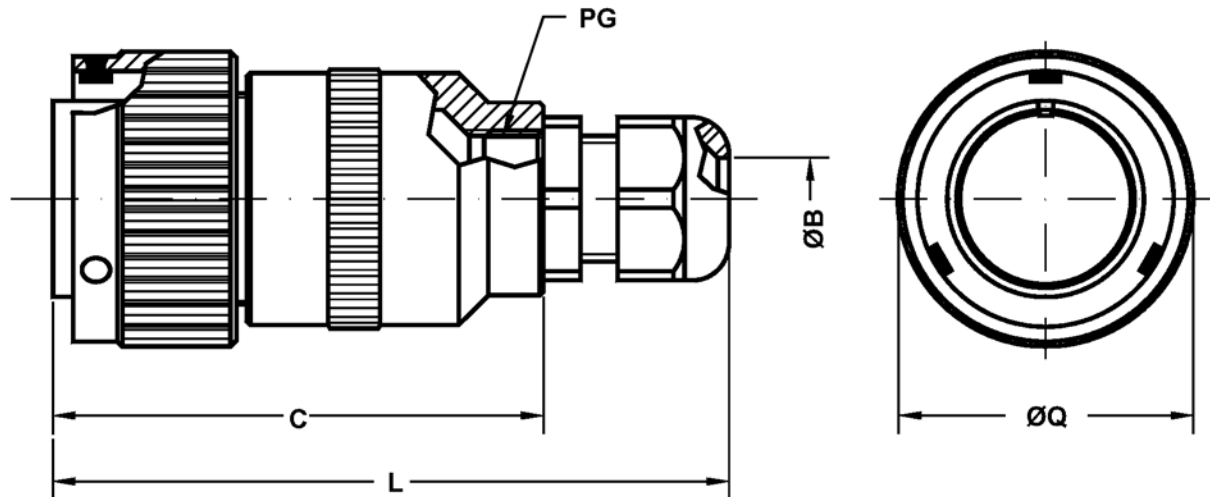
| Shell size | L<br>Max. | PG thread           | ØQ<br>±0.2 |
|------------|-----------|---------------------|------------|
| 10 SL      | 50.0      | 7 / 9 / 11          | 22.6       |
| 14 S       | 52.5      | 11 / 13.5           | 29.0       |
| 16 S       | 52.5      | 9 / 11 / 16         | 31.6       |
| 16         | 61.0      | 9 / 11 / 16         | 31.6       |
| 18         | 66.5      | 9 / 11 / 16 / 21    | 36.2       |
| 20         | 69.5      | 11 / 16 / 21        | 39.8       |
| 22         | 69.5      | 13.5 / 16 / 21      | 43.0       |
| 24         | 71.5      | 13.5 / 16 / 21 / 29 | 46.4       |
| 28         | 76.5      | 16 / 21 / 29        | 53.0       |
| 32         | 82.5      | 21 / 29             | 60.0       |
| 36         | 87.5      | 21 / 29 / 36        | 66.2       |
| 40         | 92.5      | 29 / 36             | 72.3       |

Straight plug with backshell for use with PG cable glands (not included).

Other types of PG adaptors can be supplied in various sizes upon request.

No grommet supplied.

CM1 3106 A ... PH\_\_  
CM1 4106 A ... PH\_\_  
Straight plug



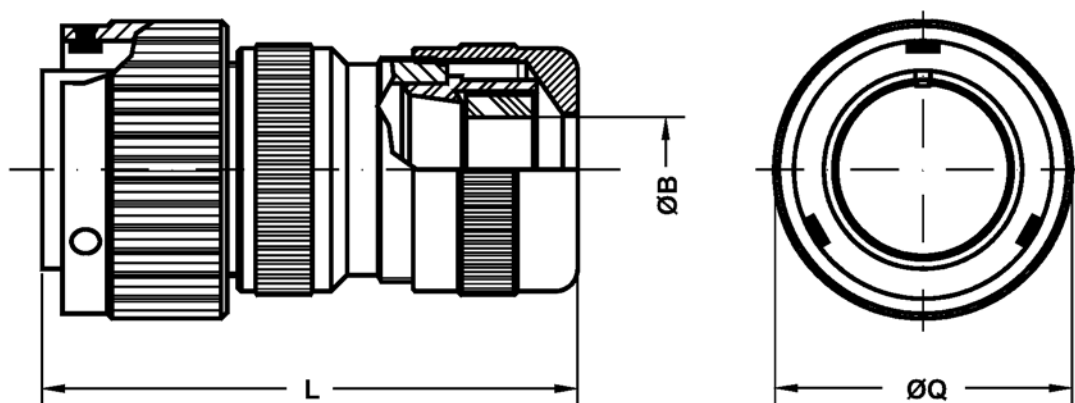
| Shell size | ØB<br>min. ÷ Max.           | C<br>Max. | L<br>Max. | PG thread           | ØQ<br>±0.2 |
|------------|-----------------------------|-----------|-----------|---------------------|------------|
| 10 SL      | 3÷6.5 / 4÷8 / 5÷10          | 50.0      | 76.0      | 7 / 9 / 11          | 22.6       |
| 14 S       | 5÷10 / 6÷12                 | 52.5      | 81.5      | 11 / 13.5           | 29.0       |
| 16 S       | 4÷8 / 5÷10 / 9÷14           | 52.5      | 83.5      | 9 / 11 / 16         | 31.6       |
| 16         | 4÷8 / 5÷10 / 9÷14           | 61.0      | 92.0      | 9 / 11 / 16         | 31.6       |
| 18         | 4÷8 / 5÷10 / 9÷14 / 13÷18   | 66.5      | 101.5     | 9 / 11 / 16 / 21    | 36.2       |
| 20         | 5÷10 / 9÷14 / 13÷18         | 69.5      | 104.5     | 11 / 16 / 21        | 39.8       |
| 22         | 6÷12 / 9÷14 / 13÷18         | 69.5      | 104.5     | 13.5 / 16 / 21      | 43.0       |
| 24         | 6÷12 / 9÷14 / 13÷18 / 15÷25 | 71.5      | 110.5     | 13.5 / 16 / 21 / 29 | 46.4       |
| 28         | 9÷14 / 13÷18 / 15÷25        | 76.5      | 115.5     | 16 / 21 / 29        | 53.0       |
| 32         | 13÷18 / 15÷25               | 82.5      | 121.5     | 21 / 29             | 60.0       |
| 36         | 13÷18 / 15÷25 / 20÷32       | 87.5      | 136.5     | 21 / 29 / 36        | 66.2       |
| 40         | 15÷25 / 20÷32               | 92.5      | 141.5     | 29 / 36             | 72.3       |

Straight plug with backshell and PG cable gland.

Other types of PG adaptors can be supplied in various sizes upon request.

No grommet supplied.

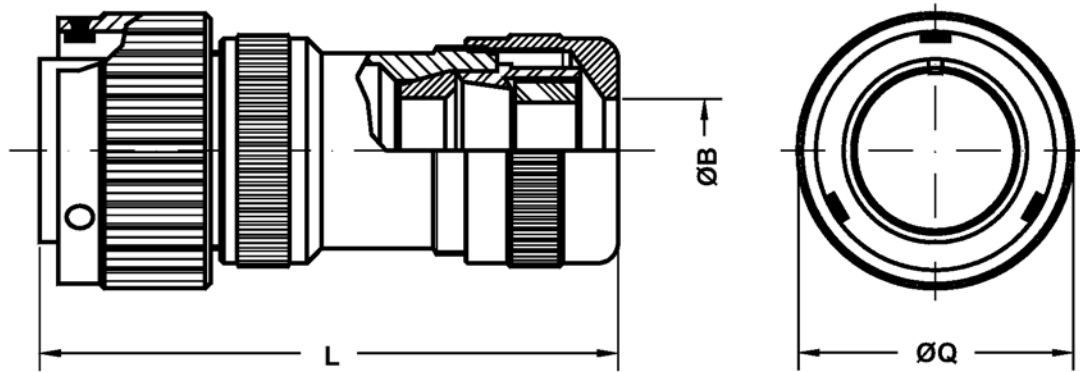
**CM1 3106 A ... PHM\_\_**  
**CM1 4106 A ... PHM\_\_**  
**Straight plug**



| Shell size | P.N. PHM     | ØB<br>min. ÷ Max.      | L<br>Max. | ØQ<br>±0.2 |
|------------|--------------|------------------------|-----------|------------|
| 10 SL      | 11           | 2÷11                   | 60        | 22.6       |
| 14 S       | 11           | 2÷11                   | 60        | 29.0       |
| 16 S       | 11           | 2÷11                   | 60        | 31.6       |
| 16         | 11           | 2÷11                   | 70        | 31.6       |
| 18         | 11 / 18      | 2÷11 / 2÷16.5          | 70        | 36.2       |
| 20         | 11 / 18      | 2÷11 / 2÷16.5          | 70        | 39.8       |
| 22         | 18           | 2÷16.5                 | 70        | 43.0       |
| 24         | 18 / 22 / 24 | 2÷16.5 / 15÷20 / 19÷24 | 80        | 46.4       |
| 28         | 18 / 22 / 24 | 2÷16.5 / 15÷20 / 19÷24 | 80        | 53.0       |
| 32         | 22 / 24      | 15÷20 / 19÷24          | 80        | 60.0       |
| 36         | 35           | 23÷35                  | 95        | 66.2       |
| 40         | 35           | 23÷35                  | 95        | 72.3       |

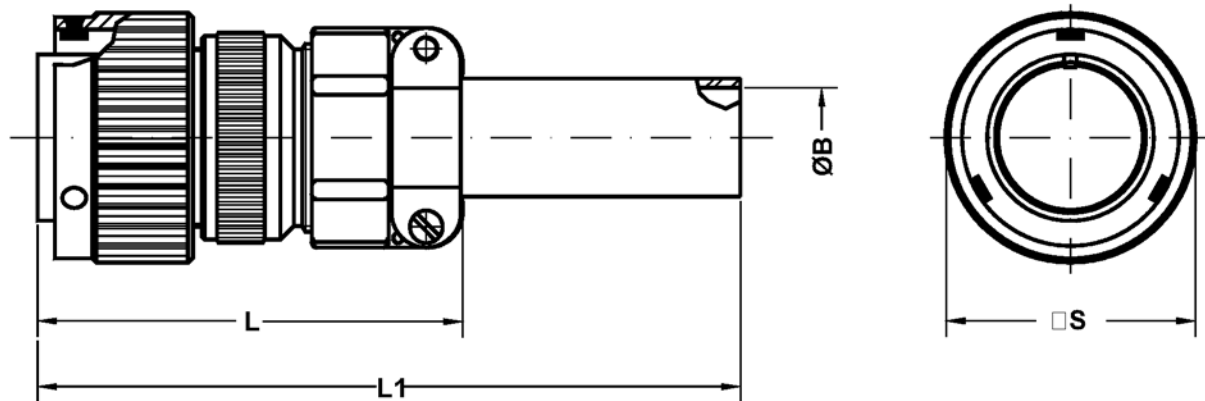
Straight plug complete with a PHM cable clamp that assures an excellent mechanical and waterproof seal if used with the correct neoprene sealing sleeves.  
 No grommet supplied.

**CM1 3106 A ... PHM\_\_ EMI**  
**CM1 4106 A ... PHM\_\_ EMI**  
**Straight plug**



| Shell size | P.N. PHM     | ØB<br>min. ÷ Max.      | L<br>Max. | ØQ<br>±0.2 |
|------------|--------------|------------------------|-----------|------------|
| 10 SL      | 11           | 2÷11                   | 70        | 22.6       |
| 14 S       | 11           | 2÷11                   | 70        | 29.0       |
| 16 S       | 11           | 2÷11                   | 70        | 31.6       |
| 16         | 11           | 2÷11                   | 80        | 31.6       |
| 18         | 11 / 18      | 2÷11 / 2÷16.5          | 80        | 36.2       |
| 20         | 11 / 18      | 2÷11 / 2÷16.5          | 80        | 39.8       |
| 22         | 18           | 2÷16.5                 | 80        | 43.0       |
| 24         | 18 / 22 / 24 | 2÷16.5 / 15÷20 / 19÷24 | 90        | 46.4       |
| 28         | 18 / 22 / 24 | 2÷16.5 / 15÷20 / 19÷24 | 90        | 53.0       |
| 32         | 22 / 24      | 15÷20 / 19÷24          | 90        | 60.0       |
| 36         | 35           | 23÷35                  | 105       | 66.2       |
| 40         | 35           | 23÷35                  | 105       | 72.3       |

Straight plug complete with a PHM cable clamp that assures an excellent mechanical and waterproof seal with multipolar shielded cables if used with the correct neoprene sealing sleeves.  
 No grommet supplied.

**CM1 3106 F****CM1 4106 F****Straight plug**

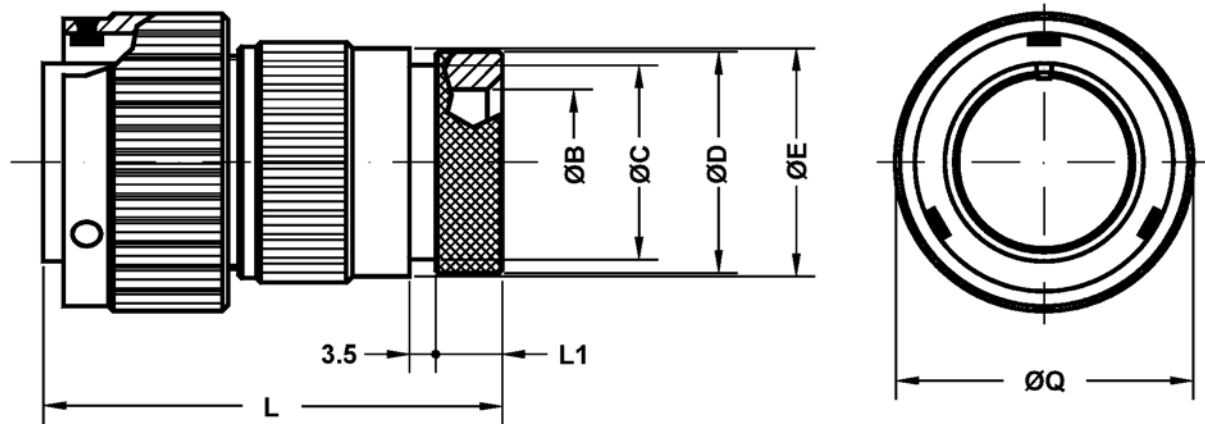
| Shell size | ØB<br>±0.1 | L<br>Max. | L1<br>Max. | ØQ<br>±0.2 |
|------------|------------|-----------|------------|------------|
| 10 SL      | 5.58       | 55.0      | 125        | 22.6       |
| 14 S       | 7.92       | 58.4      | 125        | 29.0       |
| 16 S       | 11.09      | 60.4      | 125        | 31.6       |
| 16         | 11.09      | 71.8      | 135        | 31.6       |
| 18         | 14.27      | 77.8      | 140        | 36.2       |
| 20         | 15.87      | 74.0      | 130        | 39.8       |
| 22         | 15.87      | 74.0      | 130        | 43.0       |
| 24         | 19.05      | 76.7      | 130        | 46.4       |
| 28         | 19.05      | 83.2      | 135        | 53.0       |
| 32         | 23.79      | 90.3      | 140        | 60.0       |
| 36         | 31.75      | 96.8      | 145        | 66.2       |
| 40         | 34.92      | 115.8     | 160        | 72.3       |

Straight plug.

Includes insulating grommet, backshell,  
class A **CM3057** cable clamp and neoprene  
sleeve.

No grommet supplied.

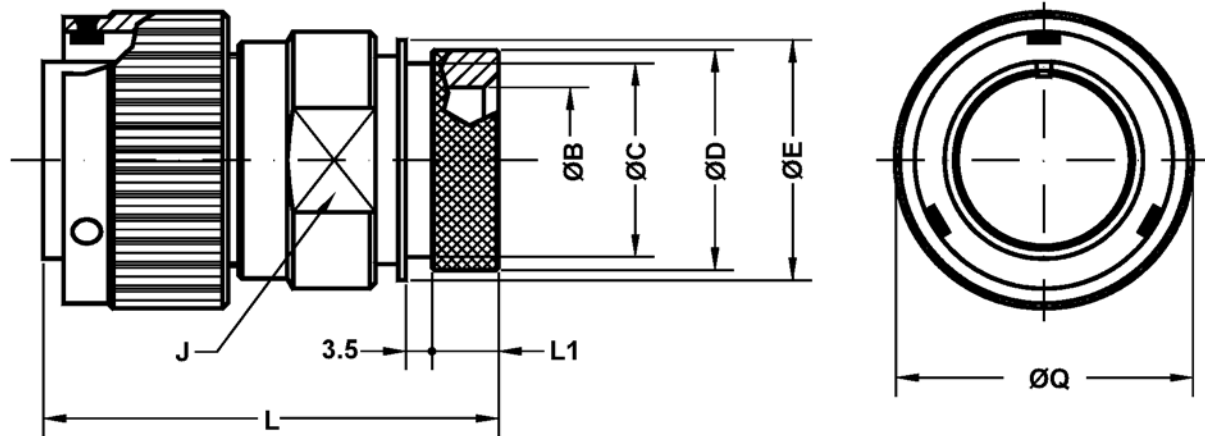
**CM1 3106 G**  
**CM1 4106 G**  
**Straight plug**



| Shell size | ØB<br>min. | ØC<br>±0.1 | ØD<br>±0.2 | ØE<br>±0.2 | L<br>Max. | L1<br>Max. | ØQ<br>±0.2 |
|------------|------------|------------|------------|------------|-----------|------------|------------|
| 10 SL      | 8.5        | 13.0       | 15.5       | 17.0       | 52.7      | 8.2        | 22.6       |
| 14 S       | 12.0       | 16.5       | 19.1       | 20.1       | 53.4      | 8.2        | 29.0       |
| 16 S       | 14.5       | 21.5       | 23.9       | 23.5       | 53.4      | 8.2        | 31.6       |
| 16         | 14.5       | 21.5       | 23.9       | 23.5       | 65.8      | 8.0        | 31.6       |
| 18         | 17.5       | 21.7       | 23.9       | 26.5       | 65.8      | 8.0        | 36.2       |
| 20         | 19.5       | 26.0       | 29.6       | 30.5       | 66.1      | 8.9        | 39.8       |
| 22         | 22.0       | 26.0       | 29.6       | 33.6       | 66.1      | 8.9        | 43.0       |
| 24         | 25.0       | 34.5       | 37.8       | 36.1       | 65.7      | 9.2        | 46.4       |
| 28         | 29.0       | 34.5       | 37.8       | 41.4       | 66.2      | 9.2        | 53.0       |
| 32         | 34.0       | 43.6       | 47.8       | 48.6       | 73.8      | 11.7       | 60.0       |
| 36         | 38.5       | 43.6       | 47.8       | 54.8       | 83.8      | 11.7       | 66.2       |
| 40         | 48.0       | 52.6       | 57.8       | 60.9       | 83.8      | 11.7       | 72.3       |

Straight plug.  
Includes wire sealing grommet and backshell  
for heat shrink tubing.

**CM1 3106 GR**  
**CM1 4106 GR**  
**Straight plug**

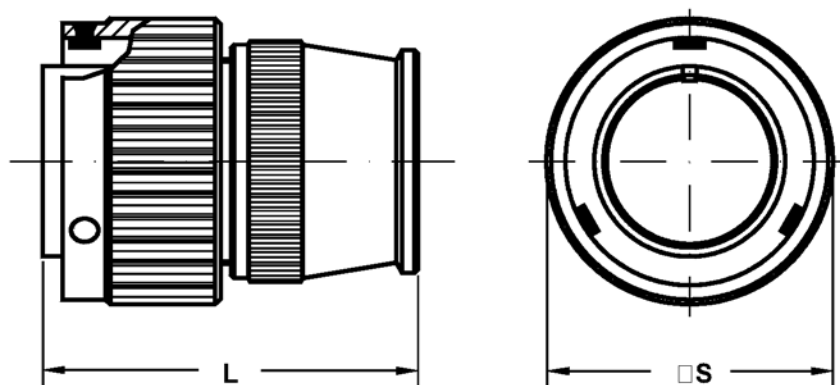


| Shell size   | ØB<br>min. | ØC<br>±0.1 | ØD<br>±0.2 | ØE<br>±0.2 | J key | L<br>Max. | L1<br>Max. | ØQ<br>±0.2 |
|--------------|------------|------------|------------|------------|-------|-----------|------------|------------|
| <b>10 SL</b> | 8.5        | 13.0       | 15.5       | 17.0       | 20    | 50.0      | 8.2        | 22.6       |
| <b>14 S</b>  | 12.0       | 16.5       | 19.1       | 20.1       | 23    | 50.0      | 8.2        | 29.0       |
| <b>16 S</b>  | 14.5       | 21.5       | 23.9       | 23.5       | 26    | 50.0      | 8.2        | 31.6       |
| <b>16</b>    | 14.5       | 21.5       | 23.9       | 23.5       | 26    | 56.5      | 8.0        | 31.6       |
| <b>18</b>    | 17.5       | 21.7       | 23.9       | 26.5       | 28    | 59.5      | 8.0        | 36.2       |
| <b>20</b>    | 19.5       | 26.0       | 29.6       | 30.5       | 32    | 59.5      | 8.9        | 39.8       |
| <b>22</b>    | 22.0       | 26.0       | 29.6       | 33.6       | 36    | 59.5      | 8.9        | 43.0       |
| <b>24</b>    | 25.0       | 34.5       | 37.8       | 36.1       | 39    | 60.5      | 9.2        | 46.4       |
| <b>28</b>    | 29.0       | 34.5       | 37.8       | 41.4       | 46    | 61.5      | 9.2        | 53.0       |
| <b>32</b>    | 34.0       | 43.6       | 47.8       | 48.6       | 52    | 65.5      | 11.7       | 60.0       |
| <b>36</b>    | 38.5       | 43.6       | 47.8       | 54.8       | 58    | 65.5      | 11.7       | 66.2       |
| <b>40</b>    | 48.0       | 52.6       | 57.8       | 60.9       | 65    | 65.5      | 11.7       | 72.3       |

Straight plug.  
Includes wire sealing grommet and backshell  
with rotating clamp nut for heat shrink tubing.



**CM1 3106 RS**  
**CM1 4106 RS**  
**Straight plug**

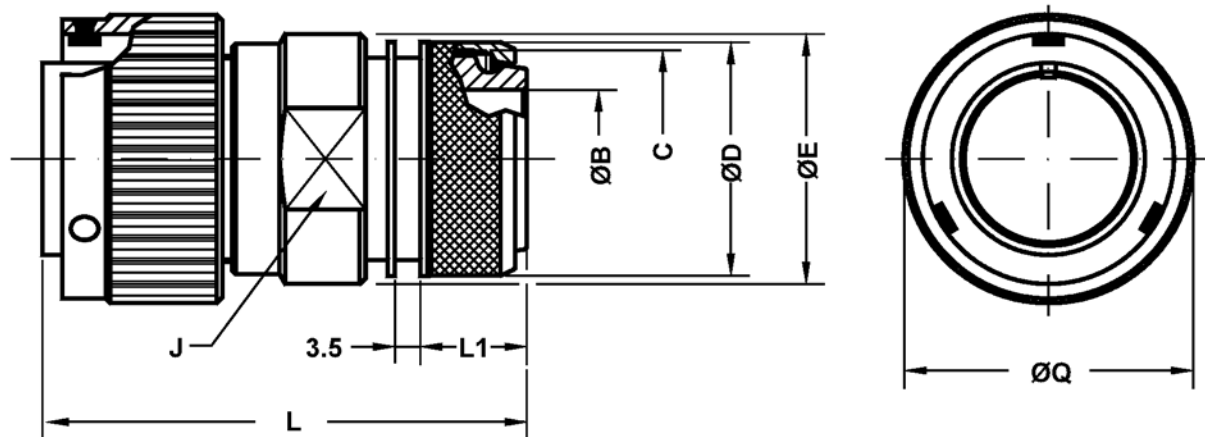


| Shell size | L<br>Max. | ØQ<br>±0.2 |
|------------|-----------|------------|
| 10 SL      | 38.0      | 22.6       |
| 14 S       | 47.5      | 29.0       |
| 16 S       | 45.5      | 31.6       |
| 16         | 55.5      | 31.6       |
| 18         | 55.5      | 36.2       |
| 20         | 55.5      | 39.8       |
| 22         | 55.5      | 43.0       |
| 24         | 58.5      | 46.4       |
| 28         | 58.5      | 53.0       |
| 32         | 58.5      | 60.0       |
| 36         | 58.5      | 66.2       |
| 40         | 58.5      | 72.3       |

Straight plug.  
Includes wire sealing grommet and  
backshell. For use with individual wires.



**CM1 3106 SP**  
**CM1 4106 SP**  
**Straight plug**

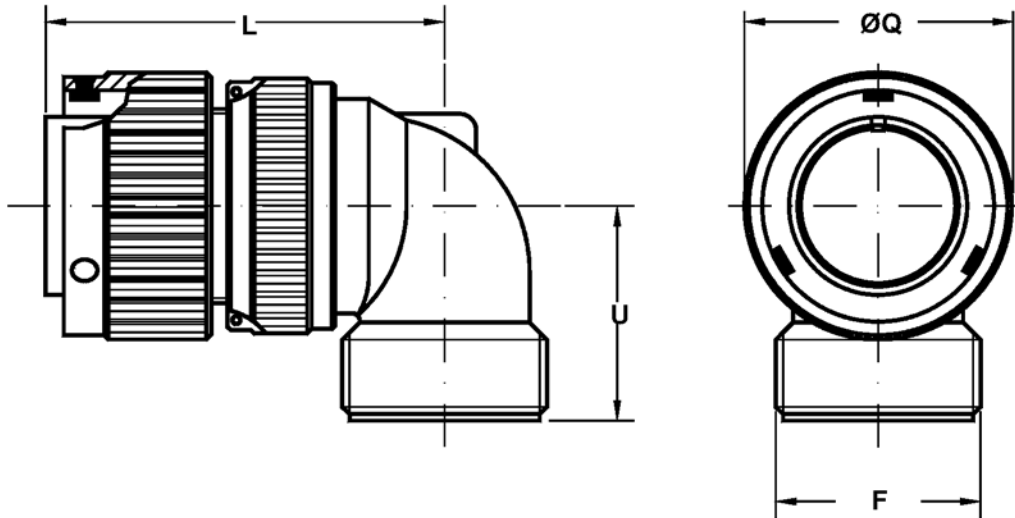


| Shell size | ØB<br>min. | C thread | ØD<br>±0.2 | ØE<br>±0.2 | J key | L<br>Max. | L1<br>±0.1 | ØQ<br>±0.2 |
|------------|------------|----------|------------|------------|-------|-----------|------------|------------|
| 10 SL      | 8.6        | M16 x 1  | 18.5       | 22.0       | 20    | 52.0      | 13.5       | 22.6       |
| 14 S       | 10.7       | M20 x 1  | 22.3       | 25.0       | 23    | 52.0      | 13.5       | 29.0       |
| 16 S       | 13.9       | M23 x 1  | 25.3       | 28.0       | 26    | 52.0      | 14.6       | 31.6       |
| 16         | 13.9       | M23 x 1  | 25.3       | 28.0       | 26    | 63.5      | 14.6       | 31.6       |
| 18         | 15.0       | M26 x 1  | 28.0       | 30.0       | 28    | 63.5      | 14.6       | 36.2       |
| 20         | 18.8       | M30 x 1  | 32.3       | 34.5       | 32    | 64.5      | 14.6       | 39.8       |
| 22         | 22.8       | M32 x 1  | 34.3       | 38.0       | 36    | 64.5      | 14.6       | 43.0       |
| 24         | 25.4       | M36 x 1  | 38.3       | 41.0       | 39    | 66.0      | 14.6       | 46.4       |
| 28         | 28.3       | M39 x 1  | 41.2       | 48.0       | 46    | 66.0      | 14.6       | 53.0       |
| 32         | 35.0       | M45 x 1  | 48.3       | 54.0       | 52    | 67.5      | 14.6       | 60.0       |
| 36         | 40.5       | M52 x 1  | 55.0       | 61.0       | 58    | 68.0      | 15.5       | 66.2       |
| 40         | 48.0       | M59 x 1  | 62.0       | 68.0       | 65    | 68.0      | 15.5       | 72.3       |

Straight plug.

Includes wire sealing grommet and backshell with rotating clamp nut. Shielded cable is terminated with a “braid trap” nut and heat shrink tubing (optional).

**CM1 3108 A / CM1 3108 R**  
**CM14108 A / CM1 4108 R**  
**90° plug**



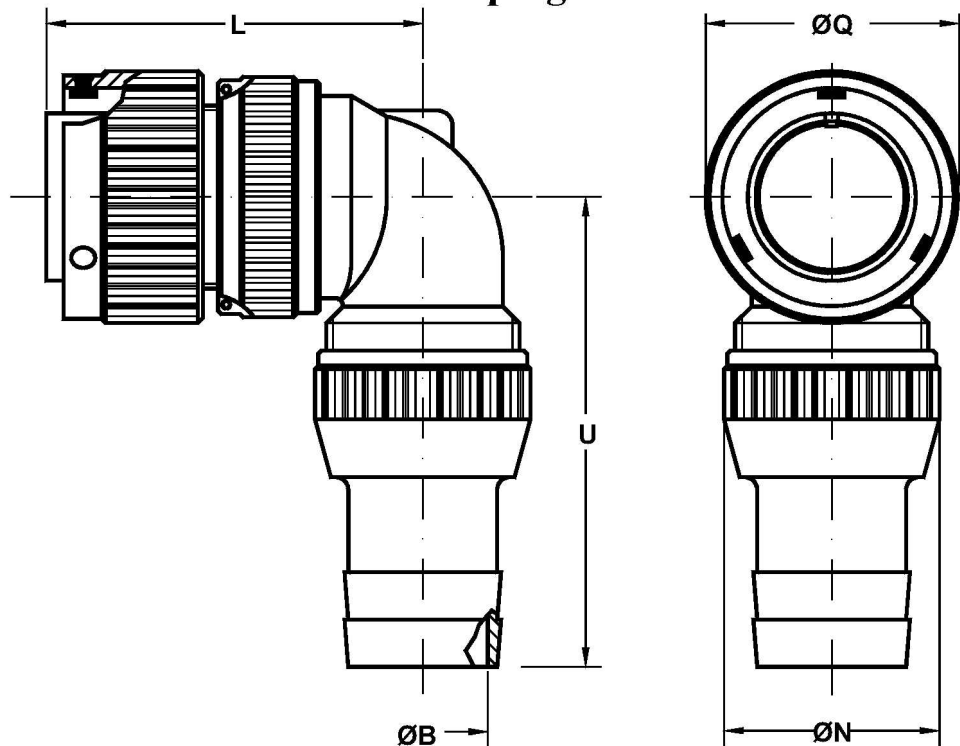
| Shell size | V thread        | L<br>Max. | ØQ<br>±0.2 | U<br>±0.2 |
|------------|-----------------|-----------|------------|-----------|
| 10 SL      | 0.6250 - 24UNEF | 40        | 22.6       | 25.0      |
| 14 S       | 0.7500 - 20UNEF | 42        | 29.0       | 26.5      |
| 16 S       | 0.8750 - 20UNEF | 46        | 31.6       | 27.0      |
| 16         | 0.8750 - 20UNEF | 55        | 31.6       | 27.0      |
| 18         | 1.0000 - 20UNEF | 57        | 36.2       | 30.0      |
| 20         | 1.1875 - 18UNEF | 62        | 39.8       | 32.0      |
| 22         | 1.1875 - 18UNEF | 62        | 43.0       | 32.0      |
| 24         | 1.4375 - 18UNEF | 67        | 46.4       | 37.0      |
| 28         | 1.4375 - 18UNEF | 67        | 53.0       | 38.0      |
| 32         | 1.7500 - 18UNS  | 72        | 60.0       | 45.5      |
| 36         | 2.0000 - 18UNS  | 75        | 66.2       | 47.2      |
| 40         | 2.2500 - 16UN   | 78        | 72.3       | 52.0      |

Plug with 90° backshell.  
 Class R includes a wire sealing grommet.

CM1 3108 A ... BR\_\_

CM1 4108 A ... BR\_\_

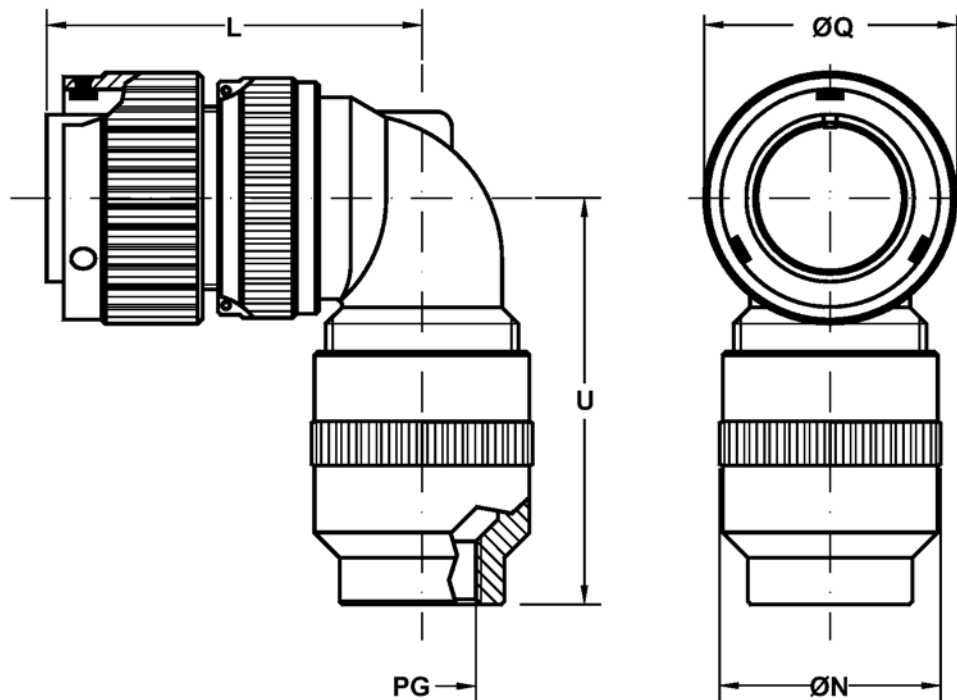
90° plug



| Shell size | ØB<br>±0.1 | L<br>Max. | ØN | ØQ<br>±0.2 | U<br>Max. |
|------------|------------|-----------|----|------------|-----------|
| 10 SL      |            | 40        |    | 22.6       | 75.0      |
| 14 S       |            | 42        |    | 29.0       | 76.5      |
| 16 S       |            | 46        |    | 31.6       | 77.0      |
| 16         |            | 55        |    | 31.6       | 77.0      |
| 18         |            | 57        |    | 36.2       | 80.0      |
| 20         |            | 62        |    | 39.8       | 82.0      |
| 22         |            | 62        |    | 43.0       | 82.0      |
| 24         |            | 67        |    | 46.4       | 87.0      |
| 28         |            | 67        |    | 53.0       | 88.0      |
| 32         |            | 72        |    | 60.0       | 95.5      |
| 36         |            | 75        |    | 66.2       | 97.2      |
| 40         |            | 78        |    | 72.3       | 102.0     |

Plug with 90° backshell.  
Includes backshell and termination for  
UNI4883 rubber conduits.  
No grommet supplied.

**CM1 3108 A ... PG\_\_**  
**CM1 4108 A ... PG\_\_**  
**90° plug**

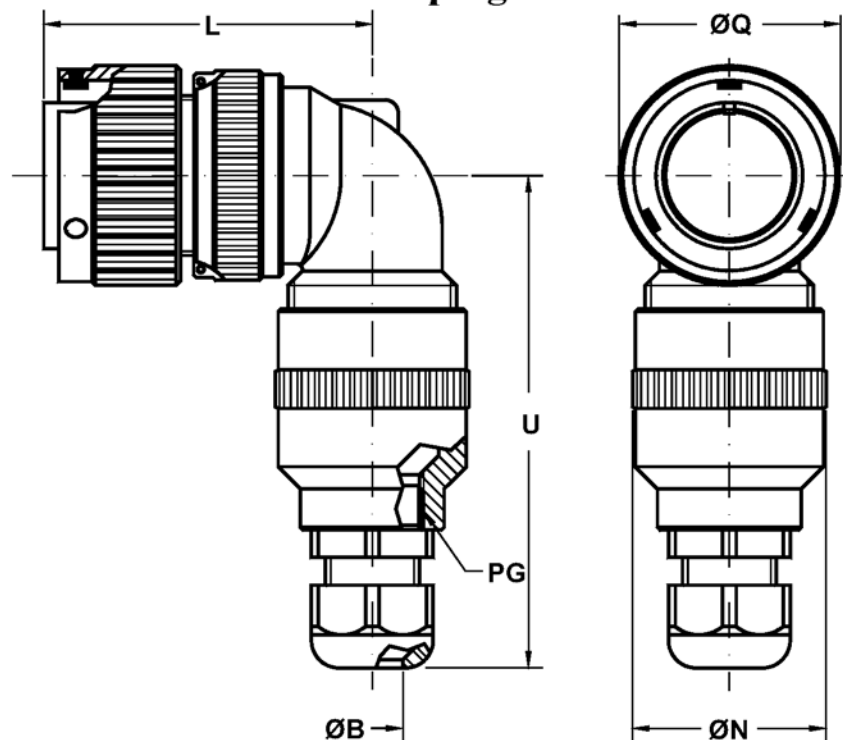


| Shell size | L<br>Max. | ØN<br>Max. | PG thread           | ØQ<br>±0.2 | U<br>Max. |
|------------|-----------|------------|---------------------|------------|-----------|
| 10 SL      | 40        | 25         | 7 / 9 / 11          | 22.6       | 50.0      |
| 14 S       | 42        | 26         | 11 / 16             | 29.0       | 51.0      |
| 16 S       | 46        | 26         | 11 / 16             | 31.6       | 51.5      |
| 16         | 55        | 26         | 11 / 16             | 31.6       | 51.5      |
| 18         | 57        | 33         | 11 / 13.5 / 16 / 21 | 36.2       | 54.5      |
| 20         | 62        | 43         | 16 / 21 / 29        | 39.8       | 56.5      |
| 22         | 62        | 43         | 16 / 21 / 29        | 43.0       | 56.5      |
| 24         | 67        | 45         | 16 / 21 / 29        | 46.4       | 61.5      |
| 28         | 67        | 45         | 16 / 21 / 29        | 53.0       | 62.5      |
| 32         | 72        | 51         | 21 / 29             | 60.0       | 75.0      |
| 36         | 75        | 58         | 21 / 29             | 66.2       | 82.7      |
| 40         | 78        | 63         | 21 / 29 / 36        | 72.3       | 87.5      |

Plug with 90° backshell and adaptor for use with PG cable glands (not included). Other types of PG adaptors can be supplied in various sizes upon request.  
 No grommet supplied.

CM1 3108 A ... PH\_\_  
CM1 4108 A ... PH\_\_

90° plug



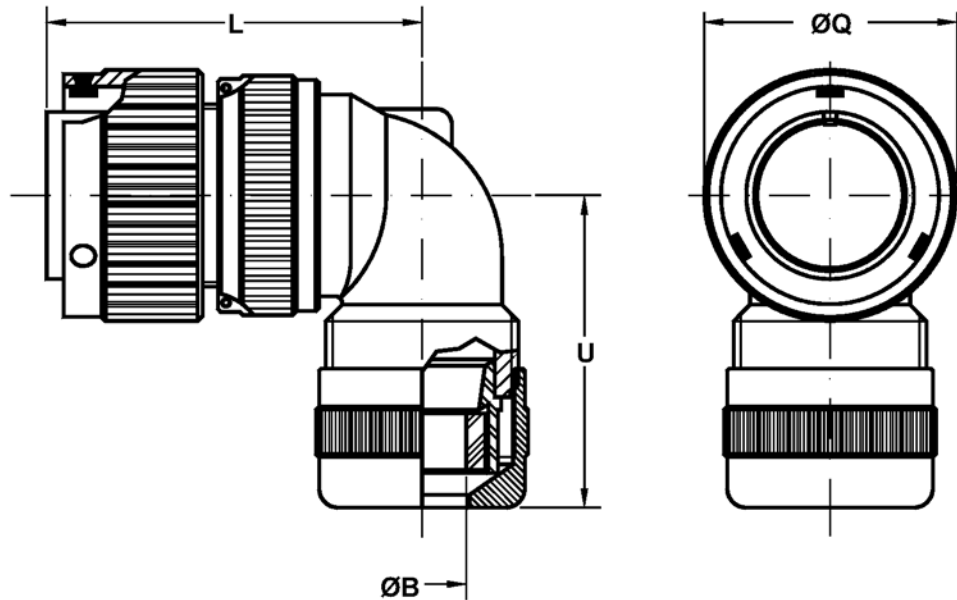
| Shell size | ØB<br>min. ÷ Max.          | L<br>Max. | ØN<br>Max. | PG thread           | ØQ<br>±0.2 | U<br>Max. |
|------------|----------------------------|-----------|------------|---------------------|------------|-----------|
| 10 SL      | 3÷6.5 / 4÷8 / 5÷10         | 40        | 25         | 7 / 9 / 11          | 22.6       | 80.0      |
| 14 S       | 5÷10 / 9÷14                | 42        | 26         | 11 / 16             | 29.0       | 82.0      |
| 16 S       | 5÷10 / 9÷14                | 46        | 26         | 11 / 16             | 31.6       | 82.5      |
| 16         | 5÷10 / 9÷14                | 55        | 26         | 11 / 16             | 31.6       | 82.5      |
| 18         | 5÷10 / 6÷12 / 9÷14 / 13÷18 | 57        | 33         | 11 / 13.5 / 16 / 21 | 36.2       | 89.5      |
| 20         | 9÷14 / 13÷18 / 15÷25       | 62        | 43         | 16 / 21 / 29        | 39.8       | 95.5      |
| 22         | 9÷14 / 13÷18 / 15÷25       | 62        | 43         | 16 / 21 / 29        | 43.0       | 95.5      |
| 24         | 9÷14 / 13÷18 / 15÷25       | 67        | 45         | 16 / 21 / 29        | 46.4       | 100.5     |
| 28         | 9÷14 / 13÷18 / 15÷25       | 67        | 45         | 16 / 21 / 29        | 53.0       | 101.5     |
| 32         | 13÷18 / 15÷25              | 72        | 51         | 21 / 29             | 60.0       | 114.0     |
| 36         | 13÷18 / 15÷25              | 75        | 58         | 21 / 29             | 66.2       | 121.7     |
| 40         | 13÷18 / 15÷25 / 20÷32      | 78        | 63         | 21 / 29 / 36        | 72.3       | 136.5     |

Plug with 90° backshell, adaptor and plastic  
PG cable gland.

Other types of PG adaptors can be supplied  
in various sizes upon request.

No grommet supplied.

**CM1 3108 A ... PHM**  
**CM1 4108 A ... PHM**  
**90° plug**



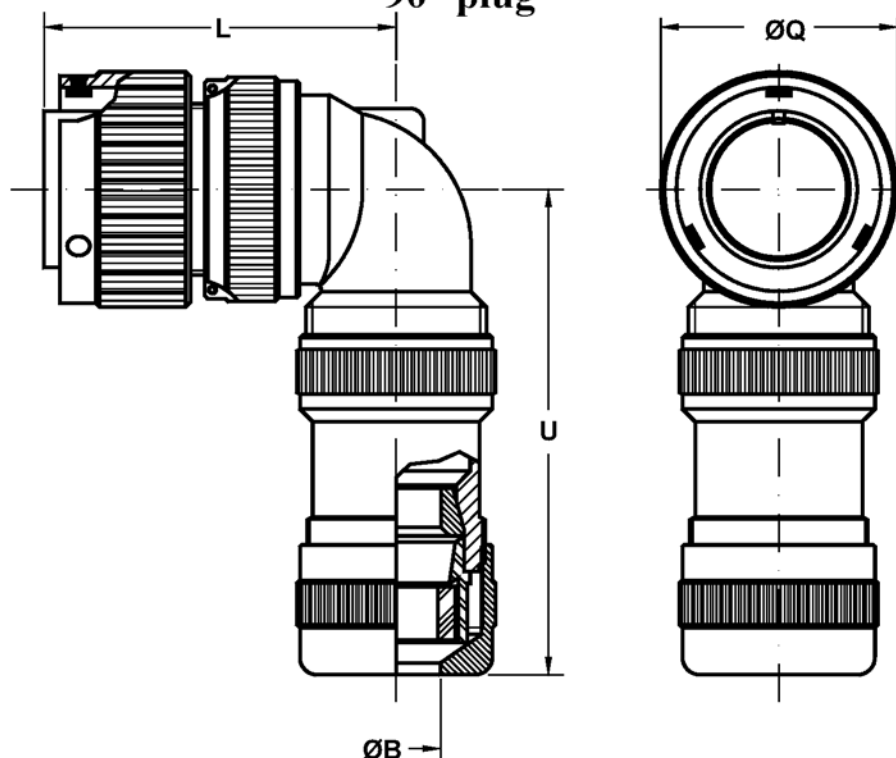
| Shell size   | P.N. PHM     | ØB<br>min. ÷ Max.      | L<br>Max. | ØQ<br>±0.2 | U<br>Max. |
|--------------|--------------|------------------------|-----------|------------|-----------|
| <b>10 SL</b> | 11           | 2÷11                   | 40        | 22.6       | 40.0      |
| <b>14 S</b>  | 11           | 2÷11                   | 42        | 29.0       | 41.5      |
| <b>16 S</b>  | 11           | 2÷11                   | 46        | 31.6       | 40.0      |
| <b>16</b>    | 11           | 2÷11                   | 55        | 31.6       | 40.0      |
| <b>18</b>    | 11 / 18      | 2÷11 / 2÷16.5          | 57        | 36.2       | 47.0      |
| <b>20</b>    | 11 / 18      | 2÷11 / 2÷16.5          | 62        | 39.8       | 49.0      |
| <b>22</b>    | 18           | 2÷16.5                 | 62        | 43.0       | 49.0      |
| <b>24</b>    | 18 / 22 / 24 | 2÷16.5 / 15÷20 / 19÷24 | 67        | 46.4       | 58.0      |
| <b>28</b>    | 18 / 22 / 24 | 2÷16.5 / 15÷20 / 19÷24 | 67        | 53.0       | 59.0      |
| <b>32</b>    | 22 / 24      | 15÷20 / 19÷24          | 72        | 60.0       | 70.5      |
| <b>36</b>    | 35           | 23÷35                  | 75        | 66.2       | 72.2      |
| <b>40</b>    | 35           | 23÷35                  | 78        | 72.3       | 77.0      |

Plug with 90° backshell.  
Includes a PHM cable clamp that assures an excellent mechanical and waterproof seal if used with the correct neoprene sealing sleeves.  
No grommet supplied.

CM1 3108 A ... PHM\_\_ EMI

CM1 4108 A ... PHM\_\_ EMI

90° plug



| Shell size | P.N. PHM     | ØB<br>min. ÷ Max.      | L<br>Max. | ØQ<br>±0.2 | U<br>Max. |
|------------|--------------|------------------------|-----------|------------|-----------|
| 10 SL      | 11           | 2÷11                   | 40        | 22.6       | 60.0      |
| 14 S       | 11           | 2÷11                   | 42        | 29.0       | 61.5      |
| 16 S       | 11           | 2÷11                   | 46        | 31.6       | 60.0      |
| 16         | 11           | 2÷11                   | 55        | 31.6       | 60.0      |
| 18         | 11 / 18      | 2÷11 / 2÷16.5          | 57        | 36.2       | 67.0      |
| 20         | 11 / 18      | 2÷11 / 2÷16.5          | 62        | 39.8       | 69.0      |
| 22         | 18           | 2÷16.5                 | 62        | 43.0       | 69.0      |
| 24         | 18 / 22 / 24 | 2÷16.5 / 15÷20 / 19÷24 | 67        | 46.4       | 78.0      |
| 28         | 18 / 22 / 24 | 2÷16.5 / 15÷20 / 19÷24 | 67        | 53.0       | 79.0      |
| 32         | 22 / 24      | 15÷20 / 19÷24          | 72        | 60.0       | 90.5      |
| 36         | 35           | 23÷35                  | 75        | 66.2       | 92.2      |
| 40         | 35           | 23÷35                  | 78        | 72.3       | 97.0      |

Plug with 90° backshell.

Includes a PHM cable clamp that assures an excellent mechanical and waterproof seal with multipolar shielded cables if used with the correct neoprene sealing sleeves.

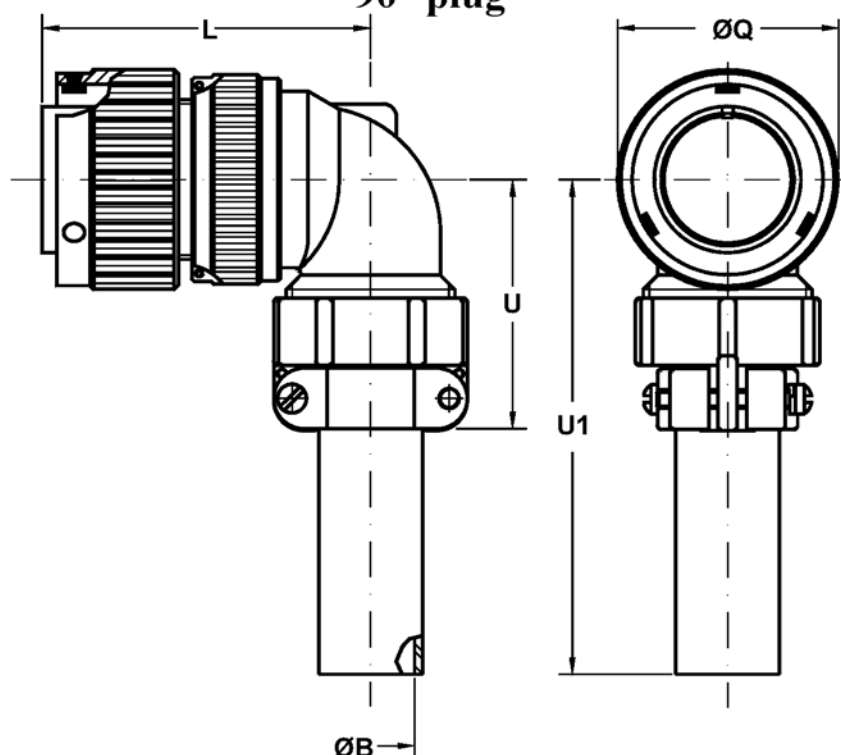
No grommet supplied.



CM1 3108 F

CM1 4108 F

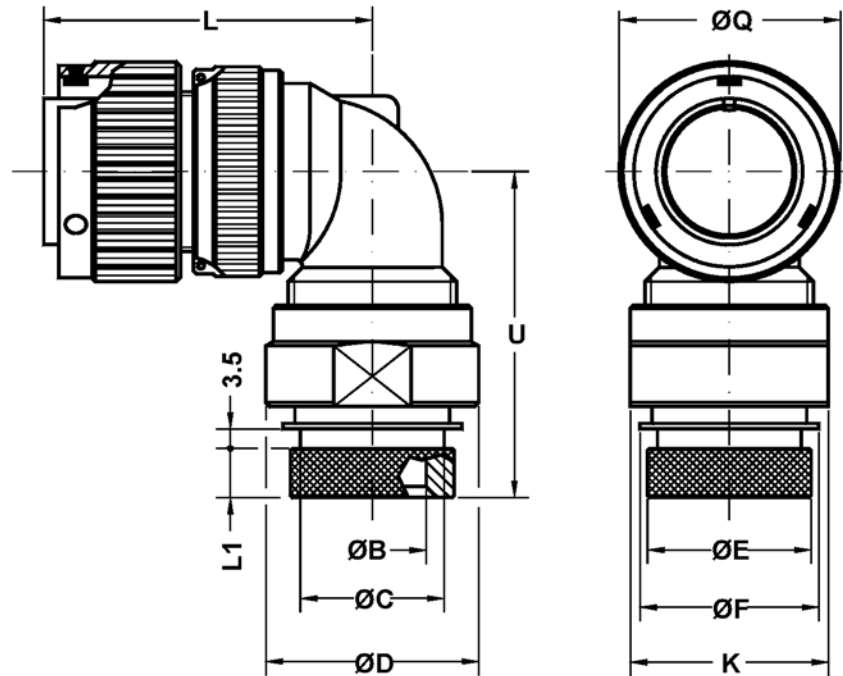
90° plug



| Shell size | ØB<br>±0.1 | L<br>Max. | ØQ<br>±0.2 | U<br>Max. | U1<br>Max. |
|------------|------------|-----------|------------|-----------|------------|
| 10 SL      | 5.58       | 40        | 22.6       | 36.0      | 105        |
| 14 S       | 7.92       | 42        | 29.0       | 38.5      | 105        |
| 16 S       | 11.09      | 46        | 31.6       | 41.0      | 105        |
| 16         | 11.09      | 55        | 31.6       | 41.0      | 105        |
| 18         | 14.27      | 57        | 36.2       | 50.0      | 112        |
| 20         | 15.87      | 62        | 39.8       | 48.0      | 105        |
| 22         | 15.87      | 62        | 43.0       | 48.0      | 105        |
| 24         | 19.05      | 67        | 46.4       | 54.0      | 107        |
| 28         | 19.05      | 67        | 53.0       | 55.0      | 107        |
| 32         | 23.79      | 72        | 60.0       | 64.5      | 115        |
| 36         | 31.75      | 75        | 66.2       | 67.2      | 115        |
| 40         | 34.92      | 78        | 72.3       | 91.0      | 135        |

Plug complete with a 90° backshell.  
Includes insulating grommet, class A cable  
clamp **CM3057** and neoprene sleeve.

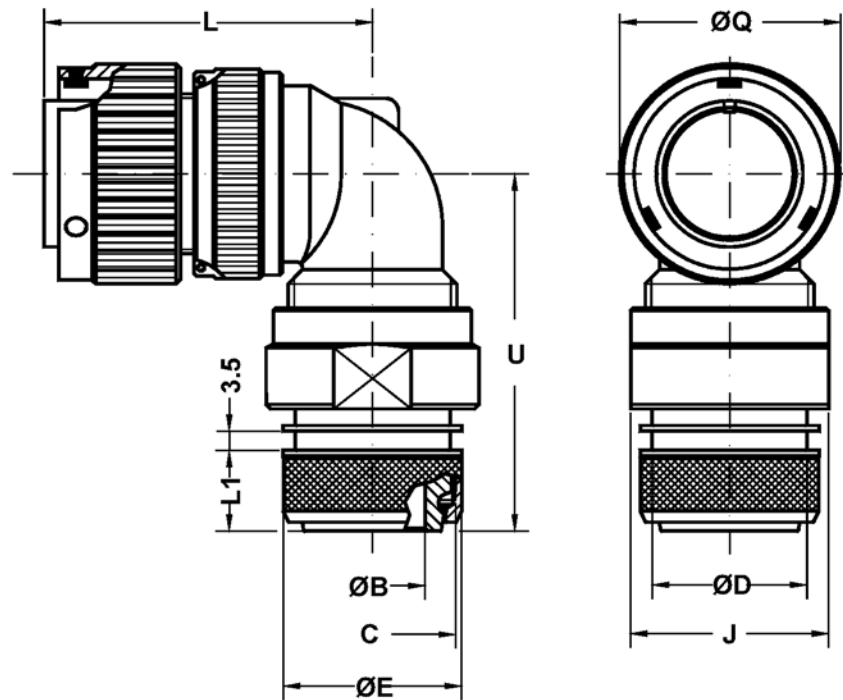
**CM1 3108 GR**  
**CM1 4108 GR**  
**90° plug**



| Shell size   | ØB<br>min. | ØC<br>±0.1 | ØD<br>+0<br>-0.1 | ØE<br>±0.2 | ØF<br>±0.2 | k key | L<br>Max. | L1<br>Max. | ØQ<br>±0.2 | U<br>Max. |
|--------------|------------|------------|------------------|------------|------------|-------|-----------|------------|------------|-----------|
| <b>10 SL</b> | 8.5        | 13.0       | 22.0             | 15.5       | 17.0       | 20    | 40        | 8.2        | 22.6       | 51.0      |
| <b>14 S</b>  | 12.0       | 16.5       | 25.0             | 19.1       | 20.1       | 23    | 42        | 8.2        | 29.0       | 52.5      |
| <b>16 S</b>  | 14.5       | 21.5       | 28.0             | 23.9       | 23.5       | 26    | 46        | 8.2        | 31.6       | 53.0      |
| <b>16</b>    | 14.5       | 21.5       | 28.0             | 23.9       | 23.5       | 26    | 55        | 8.0        | 31.6       | 50.0      |
| <b>18</b>    | 17.5       | 21.7       | 31.0             | 23.9       | 26.5       | 29    | 57        | 8.0        | 36.2       | 56.0      |
| <b>20</b>    | 19.5       | 26.0       | 36.0             | 29.6       | 30.5       | 34    | 62        | 8.9        | 39.8       | 57.5      |
| <b>22</b>    | 22.0       | 26.0       | 38.0             | 29.6       | 33.6       | 36    | 62        | 8.9        | 43.0       | 57.5      |
| <b>24</b>    | 25.0       | 34.5       | 41.0             | 37.8       | 36.1       | 39    | 67        | 9.2        | 46.4       | 62.5      |
| <b>28</b>    | 29.0       | 34.5       | 48.0             | 37.8       | 41.4       | 46    | 67        | 9.2        | 53.0       | 64.5      |
| <b>32</b>    | 34.0       | 43.6       | 54.0             | 47.8       | 48.6       | 52    | 72        | 11.7       | 60.0       | 72.0      |
| <b>36</b>    | 38.5       | 43.6       | 61.0             | 47.8       | 54.8       | 59    | 75        | 11.7       | 66.2       | 76.0      |
| <b>40</b>    | 48.0       | 52.6       | 68.0             | 57.8       | 60.9       | 66    | 78        | 11.7       | 72.3       | 81.0      |

Plug complete with a 90° backshell.  
Includes wire sealing grommet and backshell  
with rotating clamp nut for heat shrink tubing.

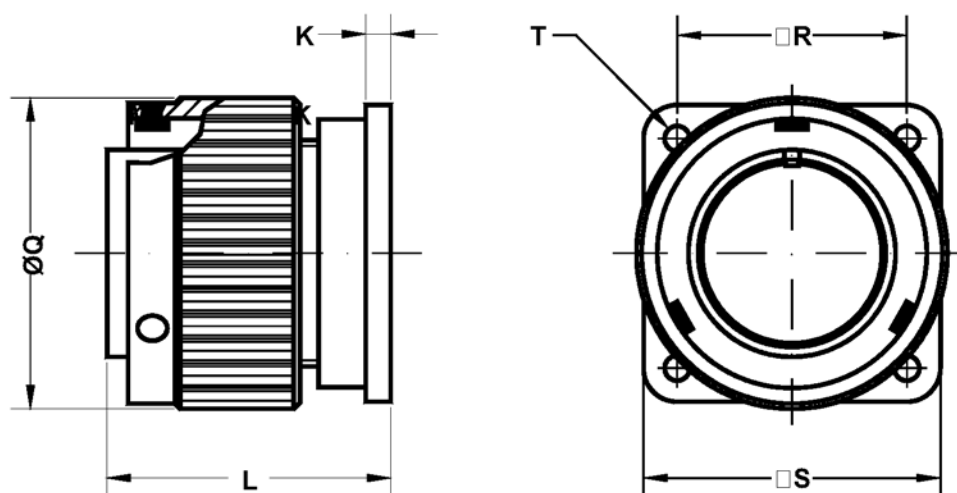
**CM1 3108 SP**  
**CM1 4108 SP**  
**90° plug**



| Shell size | ØB<br>min. | C thread | ØD<br>±0.1 | ØE<br>±0.2 | J key | L<br>Max. | L1<br>±0.1 | ØQ<br>±0.2 | U<br>Max. |
|------------|------------|----------|------------|------------|-------|-----------|------------|------------|-----------|
| 10 SL      | 8.6        | M16 x 1  | 13.0       | 18.5       | 20    | 40        | 13.5       | 22.6       | 53.0      |
| 14 S       | 10.7       | M20 x 1  | 16.5       | 22.3       | 23    | 42        | 13.5       | 29.0       | 54.5      |
| 16 S       | 13.9       | M23 x 1  | 21.5       | 25.3       | 26    | 46        | 14.6       | 31.6       | 55.0      |
| 16         | 13.9       | M23 x 1  | 21.5       | 25.3       | 26    | 55        | 14.6       | 31.6       | 57.0      |
| 18         | 15.0       | M26 x 1  | 21.7       | 28.0       | 28    | 57        | 14.6       | 36.2       | 60.0      |
| 20         | 18.8       | M30 x 1  | 26.0       | 32.3       | 32    | 62        | 14.6       | 39.8       | 63.0      |
| 22         | 22.8       | M32 x 1  | 26.0       | 34.3       | 36    | 62        | 14.6       | 43.0       | 63.0      |
| 24         | 25.4       | M36 x 1  | 34.5       | 38.3       | 39    | 67        | 14.6       | 46.4       | 68.0      |
| 28         | 28.3       | M39 x 1  | 34.5       | 41.2       | 46    | 67        | 14.6       | 53.0       | 69.0      |
| 32         | 35.0       | M45 x 1  | 43.6       | 48.3       | 52    | 72        | 14.6       | 60.0       | 76.5      |
| 36         | 40.5       | M52 x 1  | 43.6       | 55.0       | 58    | 75        | 15.5       | 66.2       | 78.5      |
| 40         | 48.0       | M59 x 1  | 52.6       | 62.0       | 65    | 78        | 15.5       | 72.3       | 83.0      |

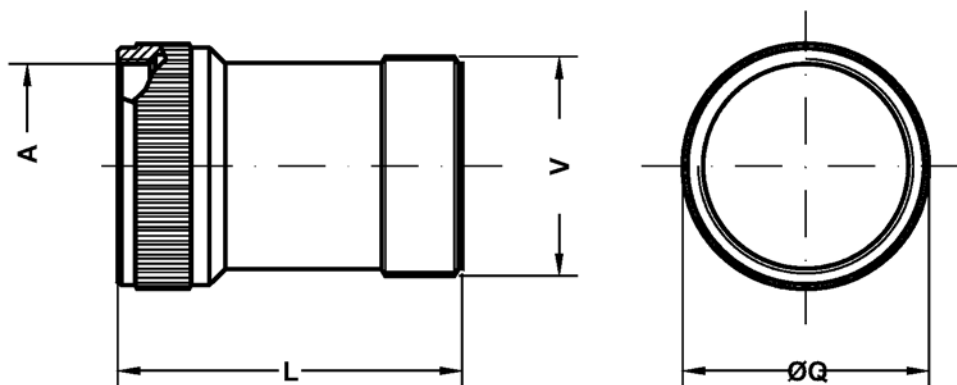
Plug complete with a 90° backshell.  
Includes wire sealing grommet and backshell  
with rotating clamp nut.  
Shielded cable is terminated with a “braid  
trap” nut and heat shrink tubing (optional).

**CM1 3126 A / CM1 3126 R**  
**CM1 4126 A / CM1 4126 R**  
**Box mounting plug**



| Shell size | K<br>±0.2 | L<br>Max. | ØQ<br>±0.2 | R<br>±0.1 | S<br>+0.2 | ØT<br>+0.1<br>-0 |
|------------|-----------|-----------|------------|-----------|-----------|------------------|
| 10 SL      | 2.8       | 29.9      | 22.6       | 18.25     | 25.4      | 3.2              |
| 14 S       | 3.3       | 29.9      | 29.0       | 23.00     | 30.4      | 3.2              |
| 16 S       | 3.3       | 35.1      | 31.6       | 24.60     | 32.5      | 3.2              |
| 16         | 3.3       | 35.1      | 31.6       | 24.60     | 32.5      | 3.2              |
| 18         | 4.0       | 40.2      | 36.2       | 27.00     | 35.0      | 3.2              |
| 20         | 4.0       | 43.8      | 39.8       | 29.40     | 38.0      | 3.2              |
| 22         | 4.0       | 43.8      | 43.0       | 31.75     | 41.0      | 3.2              |
| 24         | 4.0       | 43.8      | 46.4       | 34.90     | 44.5      | 3.7              |
| 28         | 4.0       | 44.0      | 53.0       | 39.70     | 50.9      | 3.7              |
| 32         | 4.0       | 45.1      | 60.0       | 44.45     | 57.0      | 4.3              |
| 36         | 4.0       | 45.1      | 66.2       | 49.20     | 63.5      | 4.3              |
| 40         | 4.0       | 45.1      | 72.3       | 55.55     | 69.9      | 4.3              |

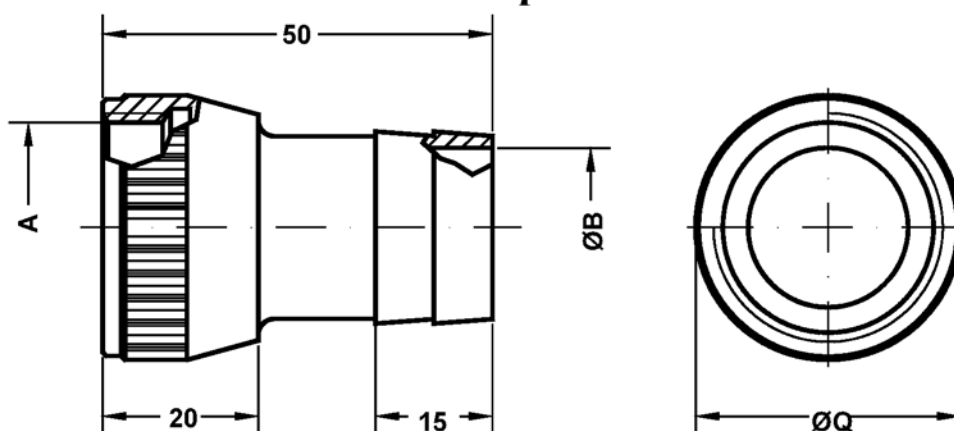
Box mounting plug with coupling nut for  
**CM13101...** or **CM14101...** receptacles.

**CM 101393 - XX3****Long backshell for plug connectors**

| Contact P/N   | Shell size | A thread        | L<br>Max. | Q<br>±0.2 | V thread        |
|---------------|------------|-----------------|-----------|-----------|-----------------|
| CM 101393-123 | 10 SL      | 0.6250 - 24UNEF | 50.0      | 20.0      | 0.6250 - 24UNEF |
| CM 101393-143 | 14 S       | 0.7500 - 20UNEF | 50.0      | 23.0      | 0.7500 - 20UNEF |
| CM 101393-163 | 16 S       | 0.8750 - 20UNEF | 50.0      | 25.0      | 0.8750 - 20UNEF |
| CM 101393-173 | 16         | 0.8750 - 20UNEF | 54.0      | 25.0      | 0.8750 - 20UNEF |
| CM 101393-183 | 18         | 1.0000 - 20UNEF | 56.0      | 29.5      | 1.0000 - 20UNEF |
| CM 101393-203 | 20         | 1.1250 - 18UNEF | 56.0      | 32.0      | 1.1875 - 18UNEF |
| CM 101393-223 | 22         | 1.2500 - 18UNEF | 56.0      | 35.0      | 1.1875 - 18UNEF |
| CM 101393-243 | 24         | 1.3750 - 18UNEF | 56.0      | 38.5      | 1.4375 - 18UNEF |
| CM 101393-283 | 28         | 1.6250 - 18UNEF | 61.0      | 45.0      | 1.4375 - 18UNEF |
| CM 101393-323 | 32         | 1.8750 - 16UN   | 61.0      | 53.2      | 1.7500 - 18UNS  |
| CM 101393-363 | 36         | 2.0625 - 16UN   | 61.0      | 57.4      | 2.0000 - 18UNS  |
| CM 101393-403 | 40         | 2.3125 - 16UN   | 61.0      | 63.2      | 2.2500 - 16UN   |

To make wiring easier a longer backshell is available for use with cable clamp **CM3057-XX A/B/C**.

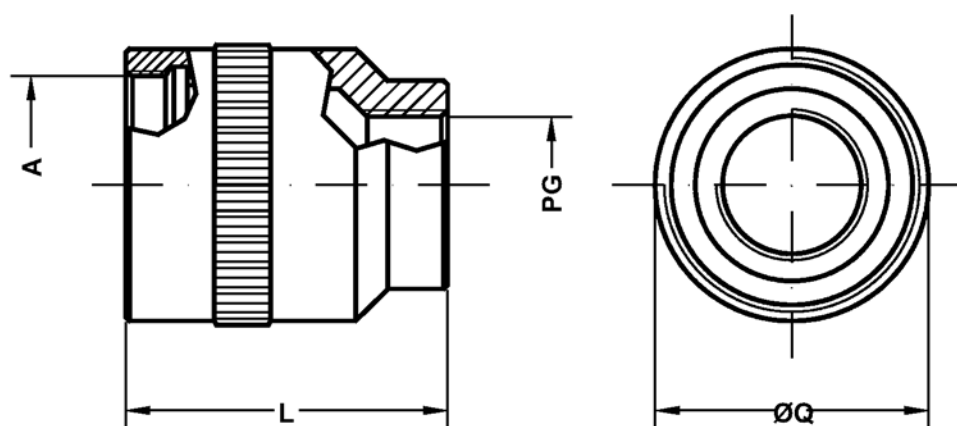
### CM 37267 - XX BR\_\_ BR adaptor



| Contact P.N.      | Shell size | A thread        | ØB<br>±0.1 | ØQ<br>±0.2 |
|-------------------|------------|-----------------|------------|------------|
| CM 37267-10BR1712 | 10SL       | 0.6250 - 24UNEF | 10.5       | 20.0       |
| CM 37267-18BR2722 | 18         | 1.0000 - 20UNEF | 20.5       | 30.0       |
| CM 37267-20BR1712 | 20 - 22    | 1.1875 - 18UNEF | 10.5       | 34.0       |
| CM 37267-20BR2722 | 20 - 22    | 1.1875 - 18UNEF | 20.5       | 34.0       |
| CM 37267-20BR2833 | 20 - 22    | 1.1875 - 18UNEF | 31.5       | 42.0       |
| CM 37267-28BR2520 | 24 - 28    | 1.4375 - 18UNEF | 16.5       | 45.0       |
| CM 37267-28BR2722 | 24 - 28    | 1.4375 - 18UNEF | 20.5       | 45.0       |
| CM 37267-28BR3126 | 24 - 28    | 1.4375 - 18UNEF | 22.5       | 45.0       |
| CM 37267-28BR3328 | 24 - 28    | 1.4375 - 18UNEF | 26.5       | 45.0       |
| CM 37267-28BR3530 | 24 - 28    | 1.4375 - 18UNEF | 26.5       | 45.0       |
| CM 37267-28BR3833 | 24 - 28    | 1.4375 - 18UNEF | 31.5       | 45.0       |
| CM 37267-28BR5045 | 24 - 28    | 1.4375 - 18UNEF | 36.2       | 45.0       |
| CM 37267-32BR3126 | 32         | 1.7500 - 18UNS  | 24.5       | 53.0       |
| CM 37267-32BR3328 | 32         | 1.7500 - 18UNS  | 26.5       | 53.0       |
| CM 37267-32BR3833 | 32         | 1.7500 - 18UNS  | 31.5       | 53.0       |
| CM 37267-32BR4035 | 32         | 1.7500 - 18UNS  | 31.5       | 53.0       |
| CM 37267-32BR5045 | 32         | 1.7500 - 18UNS  | 40.0       | 53.0       |
| CM 37267-36BR3530 | 36         | 2.0000 - 18UNS  | 26.5       | 57.4       |
| CM 37267-36BR3833 | 36         | 2.0000 - 18UNS  | 31.5       | 57.4       |
| CM 37267-36BR4035 | 36         | 2.0000 - 18UNS  | 31.5       | 57.4       |
| CM 37267-36BR5045 | 36         | 2.0000 - 18UNS  | 43.5       | 57.4       |
| CM 37267-40BR4136 | 40         | 2.2500 - 16UN   | 31.5       | 63.0       |
| CM 37267-40BR4540 | 40         | 2.2500 - 16UN   | 38.5       | 63.0       |
| CM 37267-40BR5045 | 40         | 2.2500 - 16UN   | 43.5       | 63.0       |
| CM 37267-40BR5550 | 40         | 2.2500 - 16UN   | 48.5       | 63.0       |

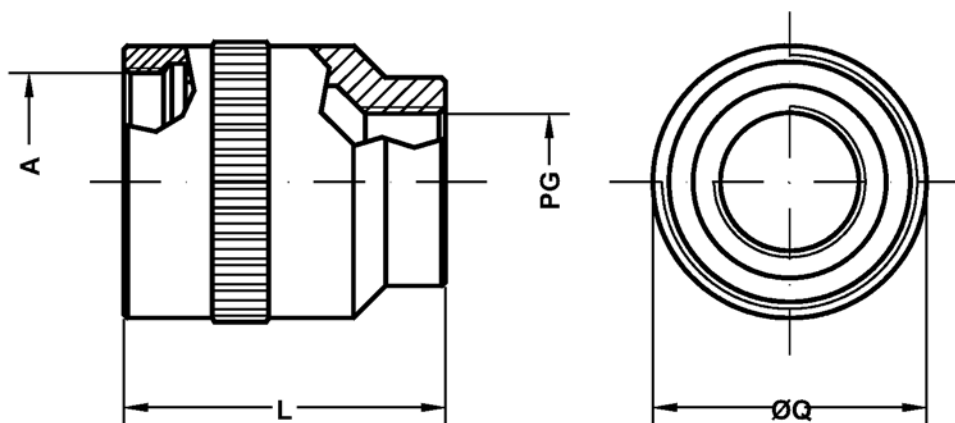
Termination for UNI4883 rubber conduits.

# **CM 101393 - XX PG\_\_** **PG adaptor**



| Shell Size   | A thread        | L<br>Max. | Q<br>Max. | PG thread           |
|--------------|-----------------|-----------|-----------|---------------------|
| <b>10 SL</b> | 0.6250 - 24UNEF | 30.0      | 22.5      | 7 / 9 / 11          |
| <b>14 S</b>  | 0.7500 - 20UNEF | 32.0      | 23.5      | 11 / 13.5           |
| <b>16 S</b>  | 0.8750 - 20UNEF | 32.0      | 25.5      | 9 / 11 / 16         |
| <b>16</b>    | 0.8750 - 20UNEF | 32.0      | 25.5      | 9 / 11 / 16         |
| <b>18</b>    | 1.0000 - 20UNEF | 40.0      | 30.5      | 9 / 11 / 16 / 21    |
| <b>20</b>    | 1.1250 - 18UNEF | 42.0      | 35.5      | 11 / 16 / 21        |
| <b>22</b>    | 1.2500 - 18UNEF | 42.0      | 35.5      | 13.5 / 16 / 21      |
| <b>24</b>    | 1.3750 - 18UNEF | 42.0      | 40.5      | 13.5 / 16 / 21 / 29 |
| <b>28</b>    | 1.6250 - 18UNEF | 47.0      | 45.5      | 16 / 21 / 29        |
| <b>32</b>    | 1.8750 - 16UN   | 52.0      | 52.5      | 21 / 29             |
| <b>36</b>    | 2.0625 - 16UN   | 57.0      | 60.0      | 21 / 29 / 36        |
| <b>40</b>    | 2.3125 - 16UN   | 62.0      | 63.5      | 29 / 36             |

Adaptor for PG cable gland.  
For use with class A straight plugs.

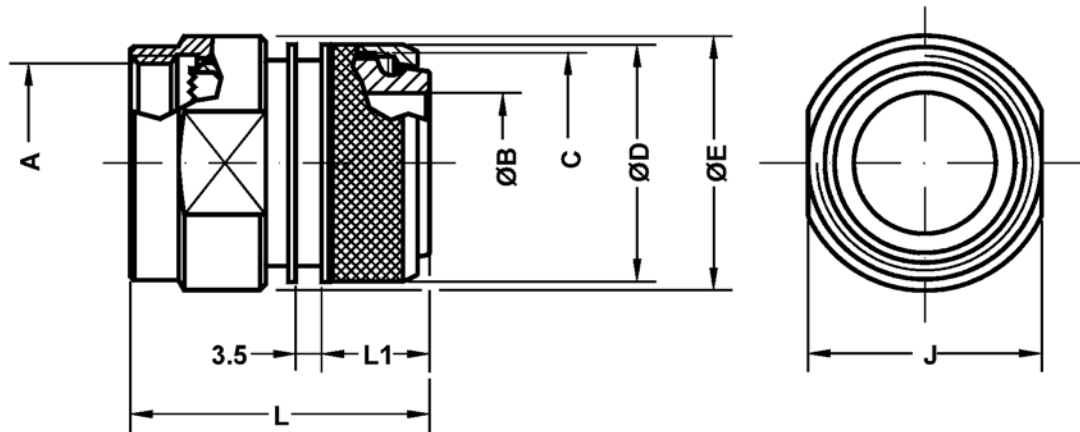
**CM 40581 - XX PG\_\_****PG adaptor**

| Shell Size   | A thread        | L<br>Max. | Q<br>Max. | PG thread           |
|--------------|-----------------|-----------|-----------|---------------------|
| <b>10 SL</b> | 0.6250 - 24UNEF | 30.0      | 22.5      | 7 / 9 / 11          |
| <b>14 S</b>  | 0.7500 - 20UNEF | 32.0      | 23.5      | 11 / 13.5           |
| <b>16 S</b>  | 0.8750 - 20UNEF | 32.0      | 25.5      | 9 / 11 / 16         |
| <b>16</b>    | 0.8750 - 20UNEF | 32.0      | 25.5      | 9 / 11 / 16         |
| <b>18</b>    | 1.0000 - 20UNEF | 40.0      | 30.5      | 9 / 11 / 16 / 21    |
| <b>20</b>    | 1.1875 - 18UNEF | 42.0      | 35.5      | 11 / 16 / 21        |
| <b>22</b>    | 1.1875 - 18UNEF | 42.0      | 35.5      | 13.5 / 16 / 21      |
| <b>24</b>    | 1.4375 - 18UNEF | 42.0      | 40.5      | 13.5 / 16 / 21 / 29 |
| <b>28</b>    | 1.4375 - 18UNEF | 47.0      | 45.5      | 16 / 21 / 29        |
| <b>32</b>    | 1.7500 - 18UNS  | 52.0      | 52.5      | 21 / 29             |
| <b>36</b>    | 2.0000 - 18UNS  | 57.0      | 60.0      | 21 / 29 / 36        |
| <b>40</b>    | 2.2500 - 16UN   | 62.0      | 63.5      | 29 / 36             |

Adaptor for PG cable gland.  
For use with class A 90° plugs.

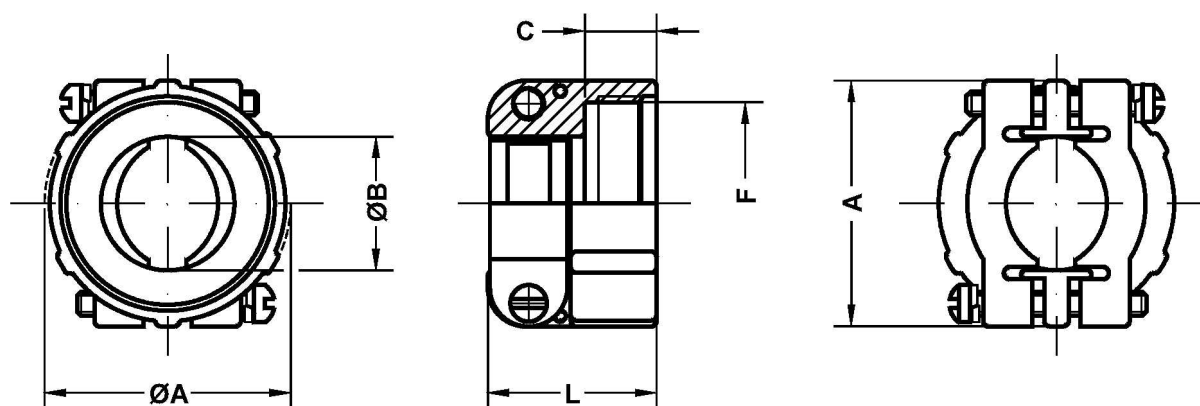
## CM 37264 - XX

### Backshell for plug connectors



| Contact P/N   | Shell size | A thread        | ØB<br>min. | C thread | ØD<br>±0.2 | ØE<br>±0.2 | J key | L<br>Max. | L1<br>Max. |
|---------------|------------|-----------------|------------|----------|------------|------------|-------|-----------|------------|
| CM 37264-10SL | 10 SL      | 0.6250 - 24UNEF | 8.5        | M16 x 1  | 18.5       | 22.0       | 20    | 35        | 13.5       |
| CM 37264-14S  | 14 S       | 0.7500 - 20UNEF | 12.0       | M20 x 1  | 22.3       | 25.0       | 23    | 35        | 13.5       |
| CM 37264-16S  | 16 S       | 0.8750 - 20UNEF | 14.5       | M23 x 1  | 25.3       | 28.0       | 26    | 35        | 14.6       |
| CM 37264-16S  | 16         | 0.8750 - 20UNEF | 14.5       | M23 x 1  | 25.3       | 28.0       | 26    | 40        | 14.6       |
| CM 37264-18   | 18         | 1.0000 - 20UNEF | 17.5       | M26 x 1  | 28.0       | 30.0       | 28    | 40        | 14.6       |
| CM 37264-20   | 20         | 1.1250 - 18UNEF | 19.5       | M30 x 1  | 32.3       | 34.5       | 32    | 40        | 14.6       |
| CM 37264-22   | 22         | 1.2500 - 18UNEF | 22.0       | M32 x 1  | 34.3       | 38.0       | 36    | 40        | 14.6       |
| CM 37264-24   | 24         | 1.3750 - 18UNEF | 25.0       | M36 x 1  | 38.3       | 41.0       | 39    | 40        | 14.6       |
| CM 37264-28   | 28         | 1.6250 - 18UNEF | 29.0       | M39 x 1  | 41.2       | 48.0       | 46    | 40        | 14.6       |
| CM 37264-32   | 32         | 1.8750 - 16UN   | 34.0       | M45 x 1  | 48.3       | 54.0       | 52    | 43        | 14.6       |
| CM 37264-36   | 36         | 2.0625 - 16UN   | 38.5       | M52 x 1  | 55.0       | 61.0       | 58    | 43        | 15.5       |
| CM 37264-40   | 40         | 2.3125 - 16UN   | 48.0       | M59 x 1  | 62.0       | 68.0       | 65    | 45        | 15.5       |

Backshell with rotating clamp nut for terminating shielded cable with a “braid trap” nut and heat shrink tubing.

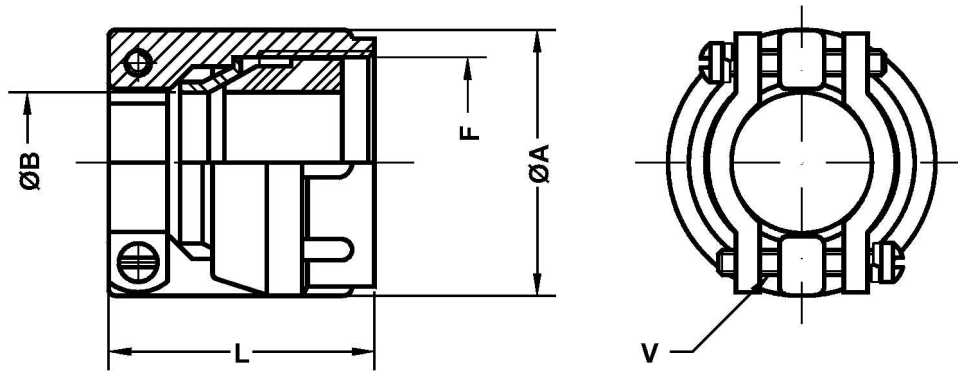
**CM 3057 - XXA****Cable clamp**

| Contact P/N | Shell size | Sleeve to use | A  | B    | C    | F thread        | L<br>Max. |
|-------------|------------|---------------|----|------|------|-----------------|-----------|
| CM 3057- 4A | 10 S       | CM 3420- 4    | 25 | 8.2  | 10.2 | 0.6250 - 24UNEF | 21.0      |
| CM 3057- 6A | 14 S       | CM 3420- 6    | 27 | 11.2 | 10.2 | 0.7500 - 20UNEF | 22.2      |
| CM 3057- 8A | 16 S - 16  | CM 3420- 8    | 28 | 14.2 | 10.2 | 0.8750 - 20UNEF | 24.0      |
| CM 3057-10A | 18         | CM 3420-10    | 33 | 16.0 | 10.2 | 1.0000 - 20UNEF | 28.5      |
| CM 3057-12A | 20 - 22    | CM 3420-12    | 35 | 19.0 | 10.2 | 1.1875 - 18UNEF | 24.0      |
| CM 3057-16A | 24 - 28    | CM 3420-16    | 43 | 23.8 | 10.5 | 1.4375 - 18UNEF | 26.0      |
| CM 3057-20A | 32         | CM 3420-20    | 51 | 31.7 | 12.5 | 1.7500 - 18UNS  | 28.0      |
| CM 3057-24A | 36         | CM 3420-24    | 58 | 35.0 | 14.0 | 2.0000 - 18UNS  | 29.4      |
| CM 3057-28A | 40         | CM 3420-28    | 65 | 41.2 | 14.0 | 2.2500 - 16UN   | 42.8      |

General duty cable clamp suitable for jacketed or multipolar cable or wires protected by tubing.

## CM 3057 - XXC

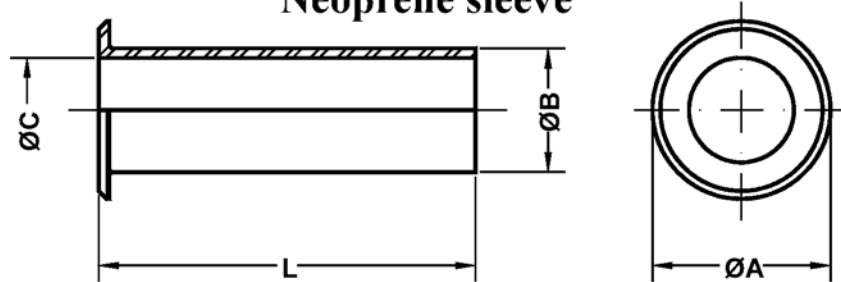
### Cable clamp



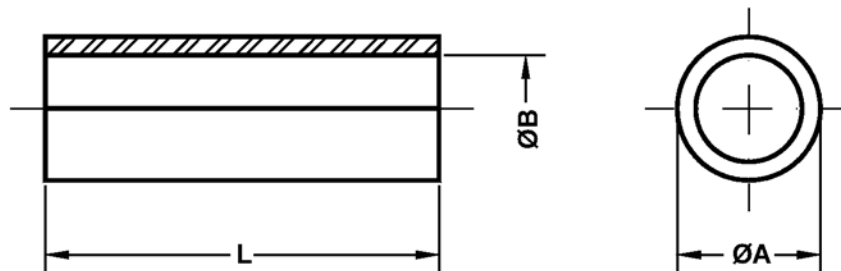
| Contact P/ N | Shell size | Sleeve to use             | A    | B     |       | F thread        |      | L          |
|--------------|------------|---------------------------|------|-------|-------|-----------------|------|------------|
|              |            |                           |      | min.  | Max.  |                 |      | V thread   |
| CM 3057- 4C  | 10 SL      | CM 3420 - 4A              | 22.6 | 2.38  | 7.93  | 0.6250 - 24UNEF | 32.3 | 6 - 32NC   |
| CM 3057- 6C  | 14 S       | CM 3420 - 4A / 6A         | 25.8 | 5.84  | 11.12 | 0.7500 - 20UNEF | 32.3 | 6 - 32NC   |
| CM 3057- 8C  | 16 S - 16  | CM 3420 - 6A / 8A         | 28.1 | 8.00  | 13.84 | 0.8750 - 20UNEF | 32.3 | 6 - 32NC   |
| CM 3057-10C  | 18         | CM 3420 - 6A / 10A        | 31.0 | 9.60  | 15.87 | 1.0000 - 20UNEF | 35.3 | 6 - 32NC   |
| CM 3057-12C  | 20 - 22    | CM 3420 - 8A / 12A        | 37.3 | 11.30 | 19.00 | 1.1875 - 18UNEF | 35.7 | 8 - 32NC   |
| CM 3057-16C  | 24 - 28    | CM 3420 - 8A / 12A / 16A  | 42.0 | 15.50 | 23.80 | 1.4375 - 18UNEF | 38.5 | 8 - 32NC   |
| CM 3057-20C  | 32         | CM 3420 - 12A / 16A / 20A | 54.0 | 23.40 | 31.75 | 1.7500 - 18UNS  | 44.8 | 250 - 20NC |
| CM 3057-24C  | 36         | CM 3420 - 16A / 18A / 24A | 57.1 | 23.40 | 35.00 | 2.0000 - 18UNS  | 51.6 | 250 - 20NC |
| CM 3057-28C  | 40         | CM 3420 - 16A / 20A / 28A | 63.5 | 29.90 | 41.25 | 2.2500 - 16UN   | 51.6 | 250 - 20NC |

Waterproof cable clamp suitable for jacketed cable or wires protected by tubing. assures watertight integrity of connector.

**CM 3420 - XX**  
**CM 3420 - XXA**  
**Neoprene sleeve**



| Contact P/N | A<br>±0.1 | B<br>±0.1 | C<br>±0.1 | L<br>±0.1 |
|-------------|-----------|-----------|-----------|-----------|
| CM3420 - 4  | 12.8      | 7.67      | 5.58      | 69.8      |
| CM3420 - 6  | 15.7      | 10.84     | 7.92      | 66.8      |
| CM3420 - 8  | 18.8      | 14.02     | 11.09     | 63.5      |
| CM3420 - 10 | 22.0      | 15.62     | 14.27     | 60.3      |
| CM3420 - 12 | 27.0      | 18.79     | 15.87     | 57.1      |
| CM3420 - 16 | 33.3      | 23.54     | 19.05     | 53.9      |
| CM3420 - 20 | 40.5      | 31.49     | 23.79     | 50.8      |
| CM3420 - 24 | 46.9      | 34.67     | 31.75     | 47.6      |
| CM3420 - 28 | 52.9      | 40.99     | 34.92     | 44.4      |



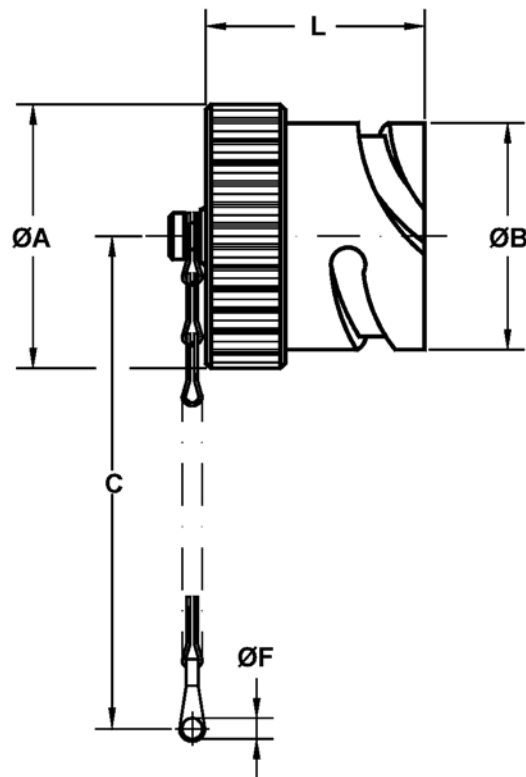
| Contact P/N  | A<br>±0.1 | B<br>±0.1 | L<br>±0.1 |
|--------------|-----------|-----------|-----------|
| CM3420 - 4A  | 7.63      | 5.56      | 50.5      |
| CM3420 - 6A  | 10.50     | 7.93      | 50.5      |
| CM3420 - 8A  | 13.50     | 11.10     | 50.5      |
| CM3420 - 10A | 15.70     | 11.10     | 50.5      |
| CM3420 - 12A | 18.50     | 13.74     | 50.9      |
| CM3420 - 16A | 23.60     | 19.00     | 50.9      |
| CM3420 - 20A | 31.10     | 23.80     | 50.2      |
| CM3420 - 24A | 33.90     | 28.50     | 51.1      |
| CM3420 - 28A | 40.60     | 31.80     | 50.2      |
| CM3420 - 29A | 45.00     | 41.00     | 50.5      |

**CM3420-XX** : Neoprene sleeve for protection and reduction, used with class A cable clamps.

**CM3420-XXA** : Neoprene sleeve for protection and reduction, used with class C cable clamps.

## CM1 06T - XX

### Cap for plug connectors

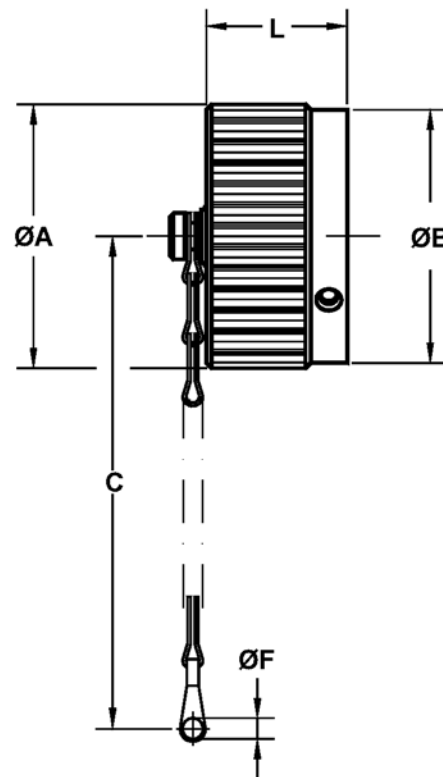


| Part Number | Connector size | ØA<br>Max | ØB<br>±0.1 | C<br>min | ØF<br>+0.2<br>-0 | L<br>Max |
|-------------|----------------|-----------|------------|----------|------------------|----------|
| CM1 06T-10  | 10SL           | 22.7      | 18.2       | 108      | 4.3              | 24.0     |
| CM1 06T-14  | 14S            | 30.0      | 24.6       | 123      | 4.3              | 24.0     |
| CM1 06T-16  | 16S            | 32.5      | 27.4       | 123      | 4.3              | 24.0     |
| CM1 06T-17  | 16             | 32.5      | 27.4       | 123      | 4.3              | 33.0     |
| CM1 06T-18  | 18             | 36.4      | 30.8       | 123      | 4.3              | 33.0     |
| CM1 06T-20  | 20             | 40.5      | 34.2       | 138      | 4.8              | 33.0     |
| CM1 06T-22  | 22             | 43.5      | 37.4       | 138      | 4.8              | 33.0     |
| CM1 06T-24  | 24             | 46.5      | 40.9       | 138      | 4.8              | 33.0     |
| CM1 06T-28  | 28             | 54.0      | 46.7       | 206      | 4.8              | 33.0     |
| CM1 06T-32  | 32             | 60.0      | 53.4       | 206      | 5.6              | 34.2     |
| CM1 06T-36  | 36             | 66.2      | 59.6       | 206      | 5.6              | 34.2     |
| CM1 06T-40  | 40             | 73.0      | 65.5       | 206      | 5.6              | 34.2     |

Metal cap with stainless steel chain .

## CM1 02T - XX

### Cap for receptacle connectors

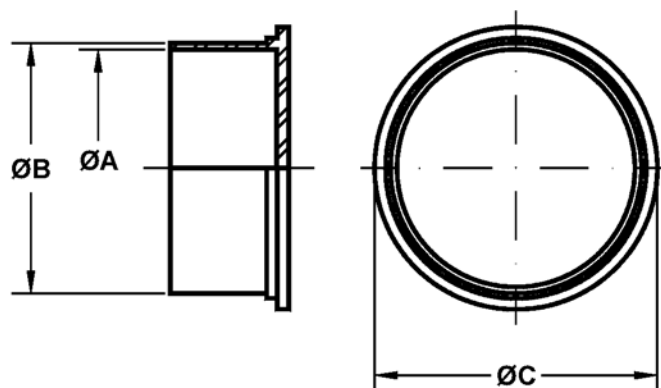


| Part Number | Connector size | ØA<br>Max | ØB<br>±0.1 | C<br>min | ØF<br>+0.2<br>-0 | L<br>Max |
|-------------|----------------|-----------|------------|----------|------------------|----------|
| CM1 02T-10  | 10SL           | 22.7      | 22.4       | 108      | 4.3              | 15.5     |
| CM1 02T-14  | 14S            | 29.1      | 28.8       | 108      | 4.3              | 15.5     |
| CM1 02T-16  | 16S            | 32.5      | 31.6       | 108      | 4.3              | 15.5     |
| CM1 02T-17  | 16             | 32.5      | 31.6       | 123      | 4.3              | 21.2     |
| CM1 02T-18  | 18             | 36.4      | 35.1       | 123      | 4.3              | 21.2     |
| CM1 02T-20  | 20             | 39.8      | 38.5       | 123      | 4.3              | 21.2     |
| CM1 02T-22  | 22             | 43.0      | 41.7       | 123      | 4.3              | 21.2     |
| CM1 02T-24  | 24             | 46.5      | 45.2       | 123      | 4.3              | 21.2     |
| CM1 02T-28  | 28             | 53.3      | 52.0       | 206      | 5.6              | 21.2     |
| CM1 02T-32  | 32             | 60.0      | 58.7       | 206      | 5.6              | 21.2     |
| CM1 02T-36  | 36             | 66.2      | 64.9       | 206      | 5.6              | 21.2     |
| CM1 02T-40  | 40             | 72.3      | 71.3       | 206      | 5.6              | 21.2     |

Metal cap with stainless steel chain .



**CM 90376 - XX Y/R**  
**CM1TP02 - XX**  
**Protective plastic cap**

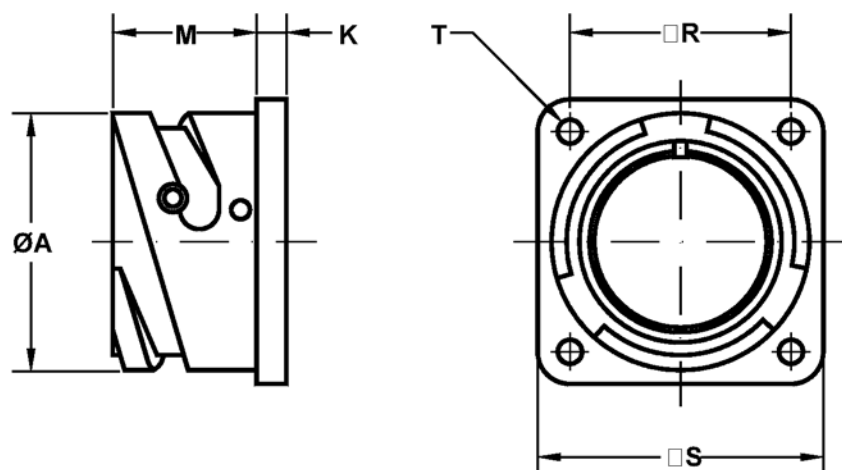


| P.N.         | Shell size          | ØA<br>±0.25 | ØB<br>±0.25 | ØC<br>±0.78 |
|--------------|---------------------|-------------|-------------|-------------|
| CM1TP02-10SL | Receptacle 10SL     | 18.00       | 20.60       | 25.00       |
| CM1TP02-14S  | Receptacle 14S      | 24.40       | 27.05       | 30.00       |
| CM90376-18Y  | Receptacle 16S - 16 | 26.11       | 27.63       | 31.75       |
| CM1TP02-18   | Receptacle 18       | 30.40       | 33.15       | 37.00       |
| CM90376-22R  | Receptacle 20       | 34.04       | 35.81       | 40.38       |
| CM90376-24R  | Receptacle 22       | 37.16       | 38.94       | 43.18       |
| CM1TP02-24   | Receptacle 24       | 40.65       | 43.20       | 47.00       |
| CM1TP02-28   | Receptacle 28       | 46.45       | 49.05       | 52.00       |
| CM1TP02-32   | Receptacle 32       | 53.15       | 55.75       | 60.00       |
| CM1TP02-36   | Receptacle 36       | 59.35       | 61.95       | 66.00       |
| CM1TP02-40   | Receptacle 40       | 65.25       | 67.85       | 72.00       |

| P.N.        | Shell size    | ØA<br>±0.25 | ØB<br>±0.25 | ØC<br>±0.78 |
|-------------|---------------|-------------|-------------|-------------|
| CM90376-10R | Plug 10SL     | 15.37       | 16.89       | 21.33       |
| CM90376-14R | Plug 14S      | 21.59       | 22.99       | 28.57       |
| CM90376-16R | Plug 16S - 16 | 23.80       | 26.29       | 30.99       |
| CM90376-18R | Plug 18       | 27.76       | 29.34       | 33.78       |
| CM90376-20R | Plug 20       | 31.28       | 33.04       | 37.21       |
| CM90376-22R | Plug 22       | 34.04       | 35.81       | 40.38       |
| CM90376-24R | Plug 24       | 37.16       | 38.94       | 43.18       |
| CM90376-28R | Plug 28       | 43.56       | 45.46       | 49.53       |
| CM90376-32R | Plug 32       | 49.91       | 51.82       | 56.39       |
| CM90376-36R | Plug 36       | 56.26       | 58.16       | 61.85       |
| CM90376-40R | Plug 40       | 61.98       | 64.26       | 67.56       |

Cap for protection against dust.

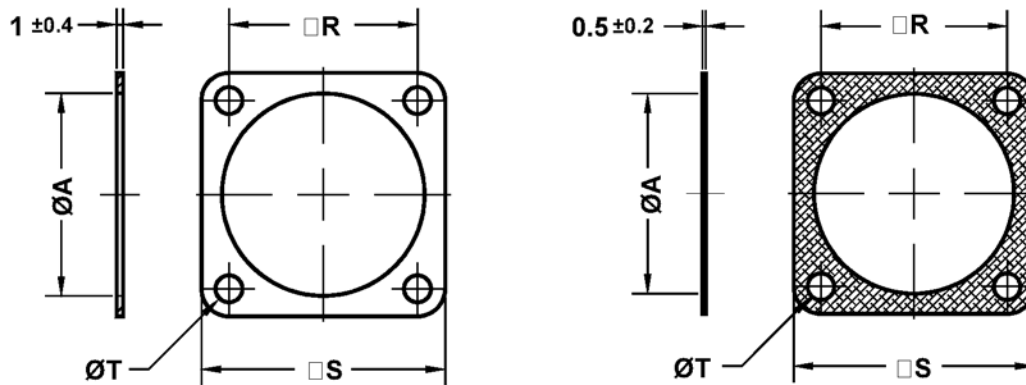
## CM1 05 - XX Dummy receptacle



| Shell size | ØA<br>+0<br>-0.1 | K<br>±0.2 | M<br>+0.2<br>-0 | R<br>±0.1 | S<br>+0.2 | ØT<br>+0.1<br>-0 |
|------------|------------------|-----------|-----------------|-----------|-----------|------------------|
| 10 SL      | 18.2             | 2.8       | 14.3            | 18.25     | 25.4      | 3.2              |
| 14 S       | 24.5             | 3.3       | 14.5            | 23.00     | 30.4      | 3.2              |
| 16 S       | 27.2             | 3.3       | 14.5            | 24.60     | 32.5      | 3.2              |
| 16         | 27.2             | 3.3       | 19.1            | 24.60     | 32.5      | 3.2              |
| 18         | 30.7             | 4.0       | 19.1            | 27.00     | 35.0      | 3.2              |
| 20         | 34.0             | 4.0       | 19.1            | 29.40     | 38.0      | 3.2              |
| 22         | 37.3             | 4.0       | 19.6            | 31.75     | 41.0      | 3.2              |
| 24         | 40.9             | 4.0       | 20.6            | 34.90     | 44.5      | 3.7              |
| 28         | 46.7             | 4.0       | 20.7            | 39.70     | 50.9      | 3.7              |
| 32         | 53.4             | 4.0       | 22.3            | 44.45     | 57.0      | 4.3              |
| 36         | 59.6             | 4.0       | 22.3            | 49.20     | 63.5      | 4.3              |
| 40         | 65.5             | 4.0       | 22.3            | 55.55     | 69.9      | 4.3              |

Dummy receptacle.  
Protects the plug connector when not in use.

**CM 40450 - XX**  
**CM 40450 - XXS**  
**Gasket for fixed connectors**



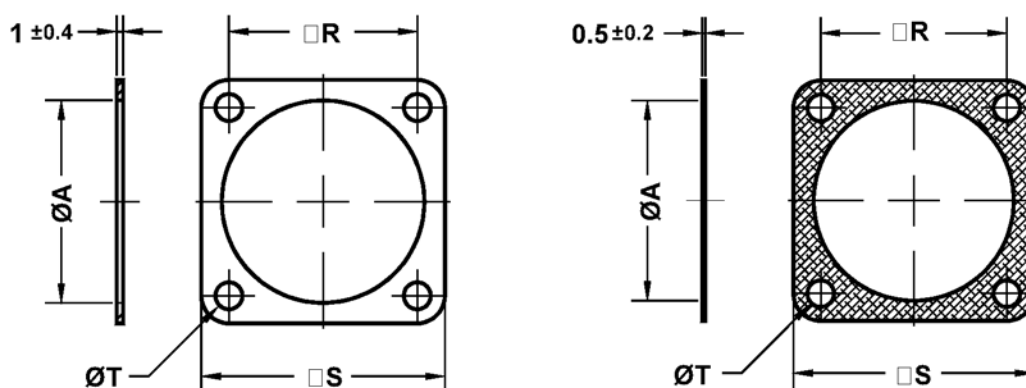
| Contact P/N   | Shell size | ØA<br>+1 | R<br>±0.2 | S<br>±0.5 | ØT<br>+0.5 |
|---------------|------------|----------|-----------|-----------|------------|
| CM 40450 - 10 | 10SL       | 15.7     | 18.2      | 25.4      | 4.2        |
| CM 40450 - 14 | 14S        | 22.1     | 23.0      | 30.0      | 4.2        |
| CM 40450 - 16 | 16S - 16   | 25.3     | 24.6      | 32.5      | 4.2        |
| CM 40450 - 18 | 18         | 28.4     | 27.0      | 35.0      | 4.2        |
| CM 40450 - 20 | 20         | 31.6     | 29.4      | 38.0      | 4.2        |
| CM 40450 - 22 | 22         | 34.8     | 31.8      | 41.0      | 4.2        |
| CM 40450 - 24 | 24         | 38.0     | 34.9      | 44.5      | 4.2        |
| CM 40450 - 28 | 28         | 44.3     | 39.7      | 50.8      | 5.1        |
| CM 40450 - 32 | 32         | 50.7     | 44.5      | 57.0      | 5.1        |
| CM 40450 - 36 | 36         | 57.0     | 49.2      | 63.5      | 5.1        |
| CM 40450 - 40 | 40         | 61.9     | 55.5      | 69.9      | 5.1        |

Gasket for square flange receptacle for front panel mounting.

**CM40450-XX** : non conductive,

**CM40450-XXS** : conductive.

**CM 40460 - XX**  
**CM 40460 XXS**  
**Gasket for fixed connectors**



| Contact P/N   | Shell size | ØA<br>+0.3 | R<br>±0.2 | S<br>±0.5 | ØT<br>+0.5 |
|---------------|------------|------------|-----------|-----------|------------|
| CM 40460 - 10 | 10SL       | 18.2       | 18.2      | 25.4      | 4.2        |
| CM 40460 - 14 | 14S        | 24.6       | 23.0      | 30.0      | 4.2        |
| CM 40460 - 16 | 16S - 16   | 27.4       | 24.6      | 32.5      | 4.2        |
| CM 40460 - 18 | 18         | 30.8       | 27.0      | 35.0      | 4.2        |
| CM 40460 - 20 | 20         | 34.2       | 29.4      | 38.0      | 4.2        |
| CM 40460 - 22 | 22         | 37.4       | 31.8      | 41.0      | 4.2        |
| CM 40460 - 24 | 24         | 40.9       | 34.9      | 44.5      | 4.2        |
| CM 40460 - 28 | 28         | 46.7       | 39.7      | 50.8      | 5.1        |
| CM 40460 - 32 | 32         | 53.4       | 44.5      | 57.0      | 5.1        |
| CM 40460 - 36 | 36         | 59.6       | 49.2      | 63.5      | 5.1        |
| CM 40460 - 40 | 40         | 65.5       | 55.5      | 69.9      | 5.1        |

Gasket for square flange receptacle for rear panel mounting.

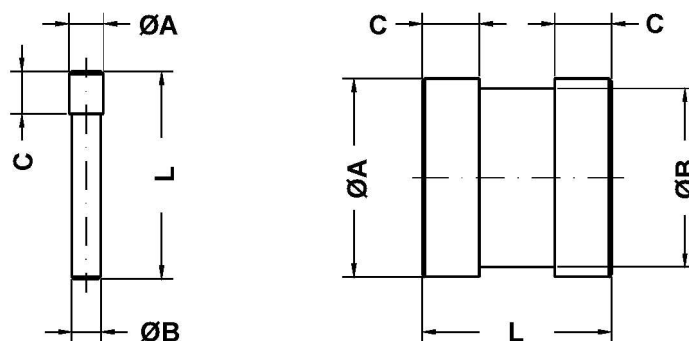
**CM40460-XX** : non conductive,

**CM40460-XXS** : conductive.

**CM - 305045 - XX**

**CM - 101033 - XX**

**Wire hole plug**

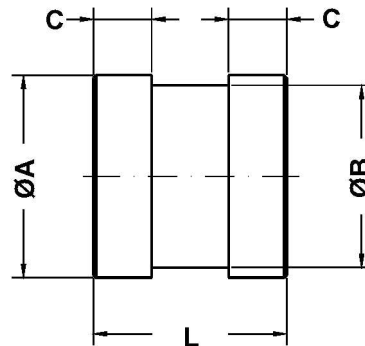


| Contact P/N      | Contact size | ØA   | ØB   | C   | L    | Colour |
|------------------|--------------|------|------|-----|------|--------|
| CM - 305045 - 16 | 16S - 16     | 2.6  | 2.2  | 3.2 | 15.7 | Blue   |
| CM - 101033 - 13 | 12           | 4.6  | 3.7  | 3.2 | 11.9 | Yellow |
| CM - 305045 - 8  | 8            | 7.6  | 6.4  | 3.1 | 11.8 | White  |
| CM - 305045 - 4  | 4            | 10.9 | 9.7  | 3.1 | 11.8 | Green  |
| CM - 305045 - 0  | 0            | 15.0 | 13.5 | 4.3 | 14.3 | Black  |
| CM - 305045 - 01 | 0M           | 16.0 | 14.5 | 4.3 | 14.5 | Black  |

Wire hole plugs for contact inserts.

## CM - 101033 - XX

### Wire hole plug



| Contact P/N      | Contact size | ØA   | ØB   | C   | L    | Colour |
|------------------|--------------|------|------|-----|------|--------|
| CM - 101033 - 12 | 16S - 16     | 3.7  | 2.8  | 3.2 | 11.9 | Blue   |
| CM - 101033 - 13 | 12           | 4.6  | 3.7  | 3.2 | 11.9 | Yellow |
| CM - 101033 - 14 | 8            | 5.8  | 5.0  | 3.2 | 11.9 | White  |
| CM - 101033 - 15 | 4            | 8.5  | 7.6  | 3.2 | 11.9 | Green  |
| CM - 101033 - 16 | 0            | 13.5 | 12.8 | 3.2 | 11.9 | Black  |

Wire hole plugs for wire sealing grommets.

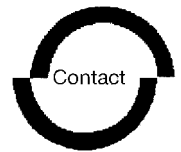


## HOW TO ORDER

| <u>FR</u> | <u>CM1</u> | <u>31</u> | <u>06</u> | <u>A</u> | <u>20-27</u> | <u>P</u> | <u>X</u> | <u>(...)</u> |
|-----------|------------|-----------|-----------|----------|--------------|----------|----------|--------------|
| <i>1</i>  | <i>2</i>   | <i>3</i>  | <i>4</i>  | <i>5</i> | <i>6</i>     | <i>7</i> | <i>8</i> | <i>9</i>     |

- 1* Omitted : Standard  
FR : Fire Resistant rubber
- 2* CM1 : Bayonet coupling  
\*CM4 : Bayonet coupling without stainless steel wear pins
- 3* 31 : Solder contacts  
41 : Crimp contacts
- 4* Style : 00 - 01 - 02 - 03 - 030 - 05 - 06 - 07 - 070 - 078 - 08 - 26
- 5* Class : A - F - G - GR - RS - SP - Y
- 6* Contact arrangement
- 7* P : Pin contacts  
S : Socket contacts  
P/S : Contacts for 02PP connectors
- 8* W - X - Y - Z : Alternate positions of the inserts
- 9* Modifications (see the next page)

\* Only for receptacles



## **MODIFICATIONS**

### **Special part numbers**

#### **Contacts**

Omitted for standard version ( . . . )

B0 : Connector less contacts

B1 : Connector with gold plated contacts

#### **Shells**

Omitted for standard version ( . . . )

N Connector with Nickel plating

P Connector with black painting

B Connector with DEC conductive plating

G Connector with an olive drab passivation  
Cadmium free

#### **Assembly with accessories**

Omitted for standard version ( . . . )

N0 Connector less backshell

N1 Connector with CM 3057 A cable clamp

N2 Connector with CM 101393 backshell

N4 Connector with front O-Ring

N5 Connector with CM 3057 C cable clamp

N12 Connector with CM 3057 A cable clamp  
and CM 3420 neoprene sleeve

NXXX Special customer connector

**EPIC® MIL-C**

**CONTACT**  
Connectors



## NOTES