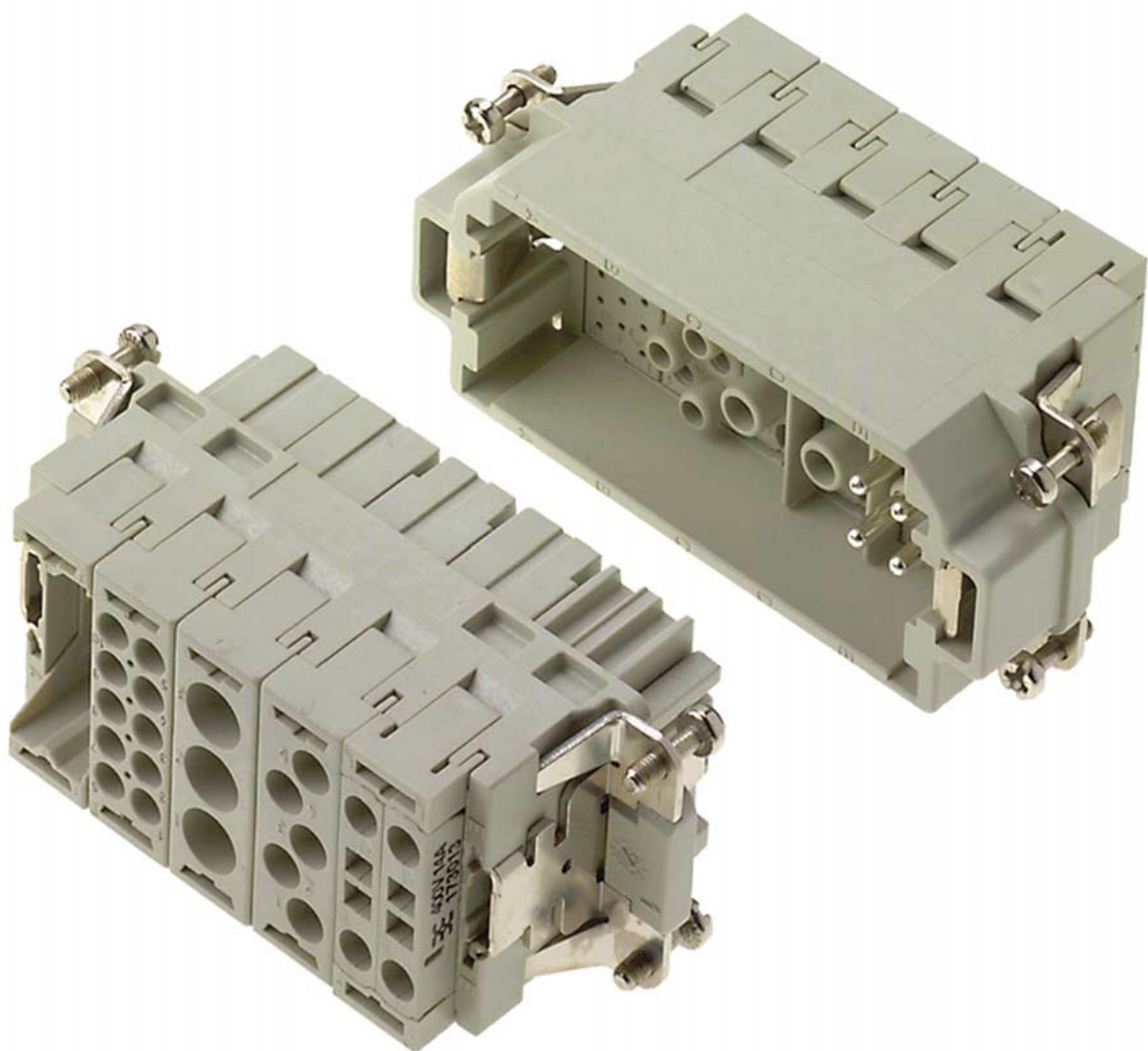




### Series ConCept

- Screw connection (2-pole)
- Crimp contact (3- to 20-pole)
- Tension clamp (4-pole)
- Poles numbers: 2, 3, 4, 5, 10, 20
- Stamped or turned crimp contacts

### Universal and flexible – the solution for a large number of applications

The modular ConCept connector system is a low-cost alternative of the well-known and proven HE inserts with fixed poles. It provides the user with flexibility in standard applications and in applications that require customized connectors.

Weidmüller have expanded the system by a tension clamp and a crimp module that offers a free selection of the connecting technology: crimp or tension clamp.

The steadily increasing number of modules with varying numbers of poles and electrical specifications are the basis of a very high number of combination options. Six different male and female modules with different power data and connecting technology, in conjunction with the mounting frames for 2, 3, 5, or 7 modules provide variable connector combinations options.

Single or double-row frames, in combination with standard housings create a reliable connection in machines, switchgear cabinets, motors and installations.

### Benefits:

- signal and power transmission possible via the same connector
- extremely flexible due to a large number of practical combinations of modules, frames, hoods and housings
- free choice of the connecting technology in the modules
- crimp module for low-cost HE crimps
- tension clamp module for time-saving processing, maintenance-free and highly vibration-proof
- modules and frames made from a PC material without halogene or phosphorus

|                                     | 630 V/40 A      | 400* V/20 A                     | 250 V/10 A               | 100 V/4 A                | 630 V/25 A                | 400 V/14 A                         | 1000 V/82 A             | 1000 V/82 A      |
|-------------------------------------|-----------------|---------------------------------|--------------------------|--------------------------|---------------------------|------------------------------------|-------------------------|------------------|
| System specifications               |                 |                                 |                          |                          |                           |                                    |                         |                  |
| Pole number                         | 3               | 5                               | 10                       | 20                       | 4                         | 4                                  | 1/1 PE                  | 2                |
| Description                         | CM-3            | CM-5                            | CM-10                    | CM-20                    | CM-HE                     | CM-4BZF/4SZF                       | CM 1 + PE               | CM-2             |
| Contact diameter                    | mm              | 3.6                             | 2.5                      | 1.6                      | 1                         | 2.5                                | 2.5                     | 6                |
| Connection method                   |                 | crimp                           | crimp                    | crimp                    | crimp                     | crimp                              | tension clamp           | screw            |
| Contact                             |                 | turned                          | turned                   | turned                   | stamped                   | turned                             | turned                  | turned           |
|                                     |                 |                                 |                          |                          |                           |                                    |                         |                  |
| Conduktor cross-section             |                 |                                 |                          |                          |                           |                                    |                         |                  |
|                                     | mm <sup>2</sup> | 1.5...10.0 <sup>2)</sup>        | 0.75...4.0 <sup>1)</sup> | 0.14...2.5 <sup>1)</sup> | 0.08...0.52 <sup>1)</sup> | 0.5...4 <sup>1)</sup>              | 0.5...2.5 <sup>1)</sup> | 4.0...16.0       |
| AWG conductor                       |                 | 12...7                          | 20...12                  | 26...14                  | 28...20                   | 20...12                            | 20...12                 | 12...6           |
|                                     |                 |                                 |                          |                          |                           |                                    |                         |                  |
| Electrical specification plastic PC |                 |                                 |                          |                          |                           |                                    |                         |                  |
| Colour: <b>grey</b>                 |                 |                                 |                          |                          |                           |                                    |                         |                  |
| Rated voltage max.                  | V               | 630                             | 250                      | 250                      | 100                       | 630                                | 400                     | 1000             |
| Rated current max.                  | A               | 40                              | 20                       | 10                       | 4                         | 25                                 | 14                      | 82               |
| Impulse voltage                     | KV              | 8                               | 6                        | 4                        | 1.5                       | 8                                  | 6                       | 6                |
| Pollution severity                  |                 | 3                               | 3                        | 3                        | 3                         | 3                                  | 3                       | 3                |
| Insulation resistance               | Ω >             | 10 <sup>12</sup>                | 10 <sup>12</sup>         | 10 <sup>11</sup>         | 10 <sup>12</sup>          | 10 <sup>12</sup>                   | 10 <sup>12</sup>        | 10 <sup>12</sup> |
| Overvoltage category                |                 | III                             | III                      | III                      | III                       | III                                | III                     | III              |
| Through resistance                  | mΩ              | < 5                             | < 5                      | < 5                      | < 5                       | < 5                                | < 5                     | < 5              |
|                                     |                 |                                 |                          |                          |                           |                                    |                         |                  |
| Electrical specification plastic PA |                 |                                 |                          |                          |                           |                                    |                         |                  |
| Colour: <b>black</b>                |                 |                                 |                          |                          |                           |                                    |                         |                  |
| Rated voltage max.                  | V               | 630                             | 400                      | 250                      | 100                       |                                    |                         |                  |
| Rated current max.                  | A               | 40                              | 20                       | 10                       | 4                         |                                    |                         |                  |
| Impulse voltage                     | KV              | 8                               | 6                        | 4                        | 1.5                       |                                    |                         |                  |
| Pollution severity                  |                 | 3                               | 3                        | 3                        | 3                         |                                    |                         |                  |
| Insulation resistance               | Ω >             | 10 <sup>11</sup>                | 10 <sup>11</sup>         | 10 <sup>10</sup>         | 10 <sup>11</sup>          |                                    |                         |                  |
| Overvoltage category                |                 | III                             | III                      | III                      | III                       |                                    |                         |                  |
| Through resistance                  | mΩ              | < 5                             | < 5                      | < 5                      | < 5                       |                                    |                         |                  |
|                                     |                 | *400 Volt only if black modules |                          |                          |                           |                                    |                         |                  |
|                                     |                 |                                 |                          |                          |                           |                                    |                         |                  |
|                                     |                 |                                 |                          |                          |                           |                                    |                         |                  |
| Materials data                      |                 |                                 |                          |                          |                           |                                    |                         |                  |
| • Modules                           |                 |                                 |                          |                          |                           |                                    |                         |                  |
| Flammability class UL 94            |                 |                                 |                          |                          |                           | V-0                                |                         |                  |
| Plastic material                    |                 |                                 |                          |                          |                           | PA/PC (grey, RAL 7032)             |                         |                  |
|                                     |                 |                                 |                          |                          |                           | PA (black, RAL 9005) <sup>3)</sup> |                         |                  |
|                                     |                 |                                 |                          |                          |                           |                                    |                         |                  |
| • Frames                            |                 |                                 |                          |                          |                           |                                    |                         |                  |
| Flammability class UL 94            |                 |                                 |                          |                          |                           | V-0                                |                         |                  |
| Plastic material                    |                 |                                 |                          |                          |                           | PC (grey, RAL 7032)                |                         |                  |
|                                     |                 |                                 |                          |                          |                           | PA (black, RAL 9005) <sup>3)</sup> |                         |                  |
|                                     |                 |                                 |                          |                          |                           |                                    |                         |                  |
| • Contacts                          |                 |                                 |                          |                          |                           |                                    |                         |                  |
| Basic material                      |                 |                                 |                          |                          |                           | Cu-alloy                           |                         |                  |
| Plating                             |                 | Ag                              | Ag                       | Ag/Au                    | Ag                        | Ag/Au                              | Ag                      |                  |

## Application note:

Weidmüller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occurring of electrical, mechanical, thermic and corrosive stress will be satisfied. Connectors are not allowed to be operated under loading.

<sup>1)</sup> Ferrules are required for the connection of conductors with a cross-section ≤ 0.75 mm<sup>2</sup>.

<sup>2)</sup> Ring tongues are required for the connection of conductors with a cross-section 6 mm<sup>2</sup> to 10 mm<sup>2</sup>.

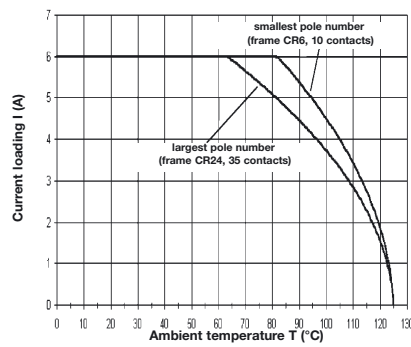
<sup>3)</sup> 4-pole crimp module CM-HE and tension clamp module CM-4BZF/4SZF are only available in PC (grey).

## Module CM-3



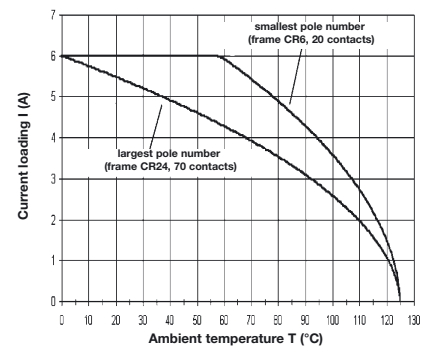
ConCept module CM-3  
Conductor H07V-K4.0 mm<sup>2</sup>

## Module CM-5



ConCept module CM-5  
Conductor H05V-K0.5 mm<sup>2</sup>

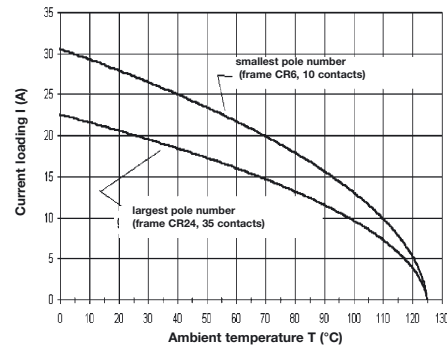
## Module CM-10



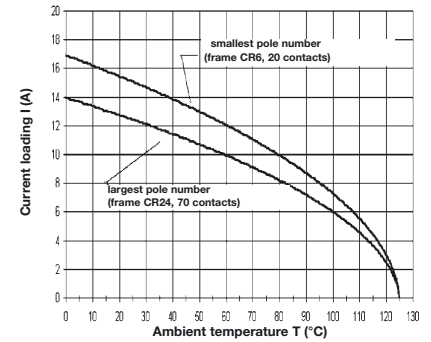
ConCept module CM-10  
Conductor H05V-K0.5 mm<sup>2</sup>



ConCept module CM-3  
Conductor H07V-K10.0 mm<sup>2</sup>



ConCept module CM-5  
Conductor H07V-K4.0 mm<sup>2</sup>



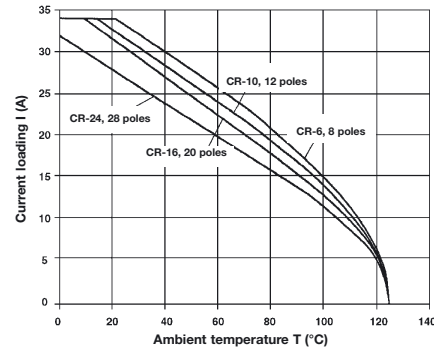
ConCept module CM-10  
Conductor H07V-K2.5 mm<sup>2</sup>

## Module CM-20



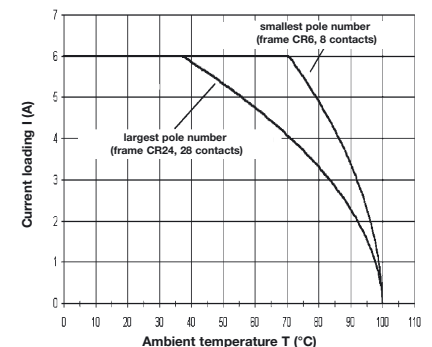
ConCept module CM-20  
AWG-Conductor 20/19

## Module CM-HE



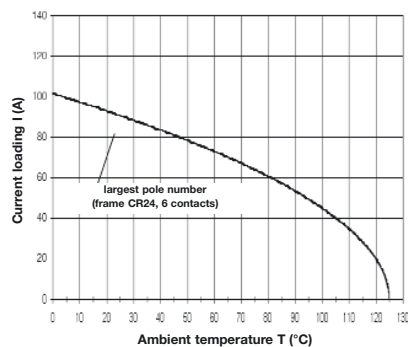
ConCept module CM-HE  
Conductor H07V-K4.0 mm<sup>2</sup>

## Module CM-4BZF/4SZF

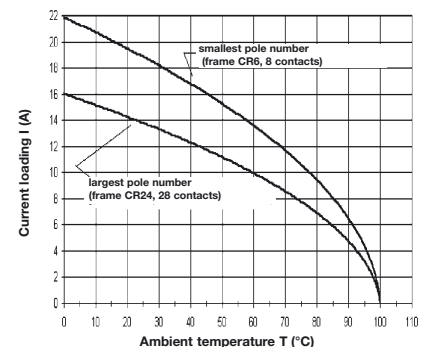


ConCept module CM-4BZF/4SZF  
Conductor H05V-K0.5 mm<sup>2</sup>

## Module CM-2



ConCept module CM-2  
Conductor 16 mm<sup>2</sup>



ConCept module CM-4BZF/4SZF  
Conductor H07V-K2.5 mm<sup>2</sup>

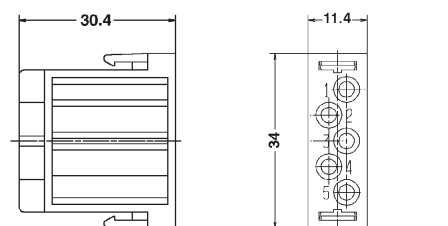
## ConCept Modules

## Crimp connection CM-3SCM



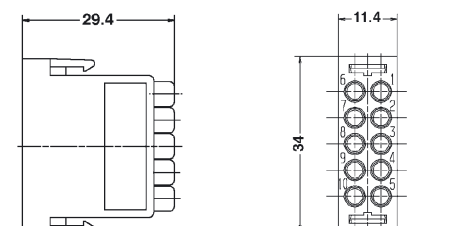
**Crimp connection CM-5SCM**

|        |             |
|--------|-------------|
| 5-pole | 250* V/20 A |
|--------|-------------|



**Crimp connection CM-10SCM**

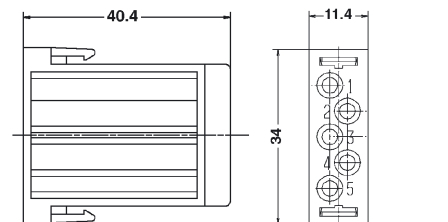
|         |            |
|---------|------------|
| 10-pole | 250 V/10 A |
|---------|------------|



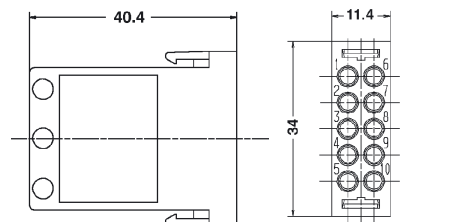
|        |            |
|--------|------------|
| 3-pole | 630 V/40 A |
|--------|------------|



|        |             |
|--------|-------------|
| 5-pole | 250* V/20 A |
|--------|-------------|



|         |            |
|---------|------------|
| 10-pole | 250 V/10 A |
|---------|------------|



| Colour  |             |            | Black      | Grey |
|---------|-------------|------------|------------|------|
| Version | Type        | Cat. No.   | Cat. No.   | Qty. |
| Male    | HDC-CM-3SCM | 1682080000 | 1758360000 | 10   |
| Female  | HDC-CM-3BCM | 1682090000 | 1758370000 | 10   |

[illegible]

| Colour  |             |                   | Black             | Grey |
|---------|-------------|-------------------|-------------------|------|
| Version | Type        | Cat. No.          | Cat. No.          | Qty. |
| Male    | HDC-CM-5SCM | <b>1682100000</b> | <b>1758380000</b> | 10   |
| Female  | HDC-CM-5BCM | <b>1682110000</b> | <b>1758390000</b> | 10   |

\* 400 V for black modules

\* 400 V for black modules

| Colour  |              |                   | Black             | Grey |
|---------|--------------|-------------------|-------------------|------|
| Version | Type         | Cat. No.          | Cat. No.          | Qty. |
| Male    | HDC-CM-10SCM | <b>1682120000</b> | <b>1758400000</b> | 10   |
| Female  | HDC-CM-10BCM | <b>1682130000</b> | <b>1758410000</b> | 10   |

[illegible]



## ConCept Modules

**NEW**

### Screw connection CM-1 SS + PE

1-pole + PE

1000 V/82 A



### Screw connection CM-2 SS

2-pole

1000 V/82 A



### Screw connection CM-1 BS + PE

1-pole + PE

1000 V/82 A



### Screw connection CM-2 BS

2-pole

1000 V/82 A



| Colour  |               | Grey       |      |
|---------|---------------|------------|------|
| Version | Type          | Cat. No.   | Qty. |
| Male    | HDC-CM 1SS+PE | 1807980000 | 5    |
| Female  | HDC-CM 1BS+PE | 1808000000 | 5    |

| Colour  |            | Grey       |      |
|---------|------------|------------|------|
| Version | Type       | Cat. No.   | Qty. |
| Male    | HDC-CM 2SS | 1807970000 | 5    |
| Female  | HDC-CM 2BS | 1807990000 | 5    |

## ConCept / Crimp Contacts

**Crimp contacts** must be ordered separately. Basis of the turned and stamped contacts is a brass-alloy. Contact platings are available either in gold- or silver-plated versions. Stamped contacts are only available with gold coating. The male and female inserts are optionally available for stamped or turned contacts. Please select required crimp contacts.



### Turned crimp contacts for module CM-3

Contact diameter of pin Ø 3.6 mm

| Cross-section mm <sup>2</sup> | AWG | Plating | Version | Type              | Cat. No.          | Qty. |
|-------------------------------|-----|---------|---------|-------------------|-------------------|------|
| 1.5                           | 16  | Ag      | Male    | HDC-C-M3-SM1.5Ag  | <b>1698120000</b> | 100  |
| 1.5                           | 16  | Ag      | Female  | HDC-C-M3-BM1.5Ag  | <b>1698130000</b> | 100  |
| 2.5                           | 14  | Ag      | Male    | HDC-C-M3-SM2.5Ag  | <b>1698140000</b> | 100  |
| 2.5                           | 14  | Ag      | Female  | HDC-C-M3-BM2.5Ag  | <b>1698150000</b> | 100  |
| 4.0                           | 12  | Ag      | Male    | HDC-C-M3-SM4.0Ag  | <b>1682260000</b> | 100  |
|                               | 12  | Ag      | Female  | HDC-C-M3-BM4.0Ag  | <b>1682270000</b> | 100  |
| 6.0                           | 10  | Ag      | Male    | HDC-C-M3-SM6.0Ag  | <b>1682280000</b> | 100  |
|                               | 10  | Ag      | Female  | HDC-C-M3-BM6.0Ag  | <b>1682290000</b> | 100  |
| 10.0                          | 7   | Ag      | Male    | HDC-C-M3-SM10.0Ag | <b>1682300000</b> | 100  |
|                               | 7   | Ag      | Female  | HDC-C-M3-BM10.0Ag | <b>1682310000</b> | 100  |



### Turned crimp contacts for module CM-5

Contact diameter of pin Ø 2.5 mm

| Cross-section mm <sup>2</sup> | AWG | Plating | Version | Type                  | Cat. No.          | Qty. |
|-------------------------------|-----|---------|---------|-----------------------|-------------------|------|
| 0.75-1.0                      | 18  | Ag      | Male    | HDC-C-M5-SM0.75-1.0Ag | <b>1682340000</b> | 100  |
|                               | 18  | Ag      | Female  | HDC-C-M5-BM0.75-1.0Ag | <b>1682350000</b> | 100  |
| 1.5                           | 16  | Ag      | Male    | HDC-C-M5-SM1.5Ag      | <b>1682360000</b> | 100  |
|                               | 16  | Ag      | Female  | HDC-C-M5-BM1.5Ag      | <b>1682370000</b> | 100  |
| 2.5                           | 14  | Ag      | Male    | HDC-C-M5-SM2.5Ag      | <b>1682380000</b> | 100  |
|                               | 14  | Ag      | Female  | HDC-C-M5-BM2.5Ag      | <b>1682390000</b> | 100  |
| 4.0                           | 12  | Ag      | Male    | HDC-C-M5-SM4.0Ag      | <b>1682400000</b> | 100  |
|                               | 12  | Ag      | Female  | HDC-C-M5-BM4.0Ag      | <b>1682410000</b> | 100  |



### Turned crimp contacts for module CM-10

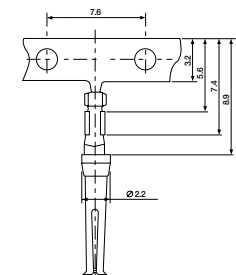
Contact diameter of pin Ø 1.6 mm

| Cross-section mm <sup>2</sup> | AWG     | Plating | Version | Type                   | Cat. No.          | Qty. |
|-------------------------------|---------|---------|---------|------------------------|-------------------|------|
| 0.14 - 0.37                   | 26...22 | Au      | Male    | HDC-C-HD-SM0.14-0.37Au | <b>1651620000</b> | 100  |
|                               | 26...22 | Au      | Female  | HDC-C-HD-BM0.14-0.37Au | <b>1651670000</b> | 100  |
|                               | 26...22 | Ag      | Male    | HDC-C-HD-SM0.14-0.37Ag | <b>1651520000</b> | 100  |
|                               | 26...22 | Ag      | Female  | HDC-C-HD-BM0.14-0.37Ag | <b>1651570000</b> | 100  |
| 0.5                           | 20      | Au      | Male    | HDC-C-HD-SM0.5Au       | <b>1651630000</b> | 100  |
|                               | 20      | Au      | Female  | HDC-C-HD-BM0.5Au       | <b>1651680000</b> | 100  |
|                               | 20      | Ag      | Male    | HDC-C-HD-SM0.5Ag       | <b>1651530000</b> | 100  |
|                               | 20      | Ag      | Female  | HDC-C-HD-BM0.5Ag       | <b>1651580000</b> | 100  |
| 0.75 - 1.00                   | 18      | Au      | Male    | HDC-C-HD-SM0.75-1.00Au | <b>1651640000</b> | 100  |
|                               | 18      | Au      | Female  | HDC-C-HD-BM0.75-1.00Au | <b>1651690000</b> | 100  |
|                               | 18      | Ag      | Male    | HDC-C-HD-SM0.75-1.00Ag | <b>1601750000</b> | 100  |
|                               | 18      | Ag      | Female  | HDC-C-HD-BM0.75-1.00Ag | <b>1601760000</b> | 100  |
| 1.5                           | 16      | Au      | Male    | HDC-C-HD-SM1.5Au       | <b>1651650000</b> | 100  |
|                               | 16      | Au      | Female  | HDC-C-HD-BM1.5Au       | <b>1651700000</b> | 100  |
|                               | 16      | Ag      | Male    | HDC-C-HD-SM1.5Ag       | <b>1651550000</b> | 100  |
|                               | 16      | Ag      | Female  | HDC-C-HD-BM1.5Ag       | <b>1651600000</b> | 100  |
| 2.5                           | 14      | Au      | Male    | HDC-C-HD-SM2.5Au       | <b>1651660000</b> | 100  |
|                               | 14      | Au      | Female  | HDC-C-HD-BM2.5Au       | <b>1651710000</b> | 100  |
|                               | 14      | Ag      | Male    | HDC-C-HD-SM2.5Ag       | <b>1651560000</b> | 100  |
|                               | 14      | Ag      | Female  | HDC-C-HD-BM2.5Ag       | <b>1651610000</b> | 100  |

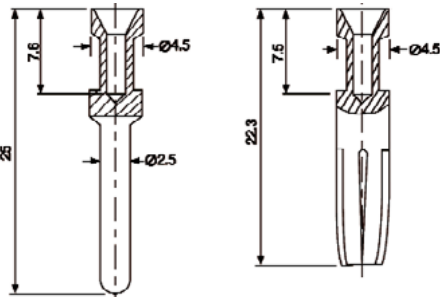
\* We recommend the mounting tool HDC-DW-M10, order no. 1688220000, for securing contacts into the insert.  
The contact is safely positioned in the insert when it audibly clicks into place.



CM-20 Male



CM-20 Female



CM-HE Male

CM-HE Female

Stamped crimp contacts for module CM-20

Contact diameter of pin Ø 1 mm

| Cross-section | mm <sup>2</sup> | AWG     | Plating | Version | Type                    | Cat. No.          | Qty. <sup>1)</sup> |
|---------------|-----------------|---------|---------|---------|-------------------------|-------------------|--------------------|
| 0.08-0.2      |                 | 28...24 | Au      | Male    | HDC-C-M20-SCG0.08-0.2Au | <b>1682420000</b> | 300                |
|               |                 | 28...24 | Au      | Female  | HDC-C-M20-BCG0.08-0.2Au | <b>1682430000</b> | 300                |
| 0.2-0.52      |                 | 24...20 | Au      | Male    | HDC-C-M20-SCG0.2-0.52Au | <b>1682440000</b> | 300                |
|               |                 | 24...20 | Au      | Female  | HDC-C-M20-BCG0.2-0.52Au | <b>1682450000</b> | 300                |

1) Bandoier contacts wrapped on reel

Turned crimp contacts for module CM-HE

Contact diameter of pin Ø 1 mm

| Cross-section | mm <sup>2</sup> | AWG | Plating | Version | Type                   | Cat. No.          | Qty. |
|---------------|-----------------|-----|---------|---------|------------------------|-------------------|------|
| 0.5           |                 | 20  | Au      | Male    | HDC-C-HE-SM0.5Au       | <b>1651420000</b> | 100  |
|               |                 | 20  | Ag      | Male    | HDC-C-HE-SM0.5Ag       | <b>1200500000</b> | 100  |
| 0.5           |                 | 20  | Au      | Female  | HDC-C-HE-BM0.5Au       | <b>1651470000</b> | 100  |
|               |                 | 20  | Ag      | Female  | HDC-C-HE-BM0.5Ag       | <b>1201100000</b> | 100  |
| 0.75 - 1.00   |                 | 18  | Au      | Male    | HDC-C-HE-SM0.75-1.00Au | <b>1651430000</b> | 100  |
|               |                 | 18  | Ag      | Male    | HDC-C-HE-SM0.75-1.00Ag | <b>1200600000</b> | 100  |
| 0.75 - 1.00   |                 | 18  | Au      | Female  | HDC-C-HE-BM0.75-1.00Au | <b>1651480000</b> | 100  |
|               |                 | 18  | Ag      | Female  | HDC-C-HE-BM0.75-1.00Ag | <b>1201200000</b> | 100  |
| 1.5           |                 | 16  | Au      | Male    | HDC-C-HE-SM1.5Au       | <b>1651440000</b> | 100  |
|               |                 | 16  | Ag      | Male    | HDC-C-HE-SM1.5Ag       | <b>1200700000</b> | 100  |
| 1.5           |                 | 16  | Au      | Female  | HDC-C-HE-BM1.5Au       | <b>1651490000</b> | 100  |
|               |                 | 16  | Ag      | Female  | HDC-C-HE-BM1.5Ag       | <b>1201300000</b> | 100  |
| 2.5           |                 | 14  | Au      | Male    | HDC-C-HE-SM2.5Au       | <b>1651450000</b> | 100  |
|               |                 | 14  | Ag      | Male    | HDC-C-HE-SM2.5Ag       | <b>1200800000</b> | 100  |
| 2.5           |                 | 14  | Au      | Female  | HDC-C-HE-BM2.5Au       | <b>1651500000</b> | 100  |
|               |                 | 14  | Ag      | Female  | HDC-C-HE-BM2.5Ag       | <b>1201400000</b> | 100  |
| 4.0           |                 | 12  | Au      | Male    | HDC-C-HE-SM4.0Au       | <b>1651460000</b> | 100  |
|               |                 | 12  | Ag      | Male    | HDC-C-HE-SM4.0Ag       | <b>1200900000</b> | 100  |
| 4.0           |                 | 12  | Au      | Female  | HDC-C-HE-BM4.0Au       | <b>1651510000</b> | 100  |
|               |                 | 12  | Ag      | Female  | HDC-C-HE-BM4.0Ag       | <b>1201500000</b> | 100  |

## ConCept / Accessories

### Crimping tools

Special type for HE male and female contact

#### CZB 1



| Type         | Description                                                            | Cat. No.          | Qty.     |
|--------------|------------------------------------------------------------------------|-------------------|----------|
| <b>CZB 1</b> | crimping tool<br>for 1.5...4.0 mm <sup>2</sup> conductor cross-section | <b>9012710000</b> | <b>1</b> |

Preferred type for turned HE, HD and HDD contacts and ConCept contacts

#### CTX CM



#### HDC-CM 20



| Type                  | Description                                                                                                                                                        | Cat. No.          | Qty.     |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|
| <b>CTX CM 3.6</b>     | crimping tool<br>for Ø 3.6 mm contacts with<br>4.0...10.0 mm <sup>2</sup> conductor cross-section<br>of ConCept module CM-3                                        | <b>9018480000</b> | <b>1</b> |
| <b>CTX CM 1.6/2.5</b> | crimping tool<br>for Ø 1.6 mm/Ø 2.5 mm contacts with 0.14...2.5 mm <sup>2</sup><br>conductor cross-section, of turned HE-, turned HD-, HDD and<br>ConCept contacts | <b>9018490000</b> | <b>1</b> |
| <b>HDC-CM-3</b>       | crimping tool<br>1.5...10 mm <sup>2</sup> conductor cross-section<br>of ConCept module CM-3                                                                        | <b>1700890000</b> | <b>1</b> |
| <b>HDC-CM-20</b>      | crimping tool<br>for Ø 1.0 mm D-Sub contacts with 0.08...0.52 mm <sup>2</sup> conductor<br>cross-section of ConCept module CM-20                                   | <b>1700900000</b> | <b>1</b> |

### Screwdriver

#### SD



| Type      | Description                        | Cat. No.          | Qty.     |
|-----------|------------------------------------|-------------------|----------|
| <b>SD</b> | 0.6 x 3.5 x 100 for slotted screws | <b>9008330000</b> | <b>1</b> |

### Contact removal tool<sup>3)</sup>

for ConCept contacts

#### HDC-DW

M3/M5

M10

M20

M4



| Type                           | for ConCept modules | Cat. No.          | Qty.     |
|--------------------------------|---------------------|-------------------|----------|
| <b>HDC-DW-M3</b>               | HDC-CM-3            | <b>1688240000</b> | <b>1</b> |
| <b>HDC-DW-M5</b>               | HDC-CM-5            | <b>1688230000</b> | <b>1</b> |
| <b>HDC-DW-M10<sup>1)</sup></b> | HDC-CM-10           | <b>1688220000</b> | <b>1</b> |
| <b>HDC-DW-M20</b>              | HDC-CM-20           | <b>1688210000</b> | <b>1</b> |
| <b>HDC-DW-M4<sup>2)</sup></b>  | HDC-CM-HE           | <b>1760170000</b> | <b>1</b> |

### Module removal tool

for ConCept modules

#### HDC-DW-MOD



| Type                           | Description         | Cat. No.          | Qty.     |
|--------------------------------|---------------------|-------------------|----------|
| <b>HDC-DW-MOD<sup>4)</sup></b> | Module removal tool | <b>1688200000</b> | <b>1</b> |

<sup>1)</sup> Tool for removal of turned HD contacts

<sup>2)</sup> Tool for removal of HE contacts

<sup>3)</sup> Please do not loosen the contact more than 3 times

<sup>4)</sup> Tool for removal of ConCept modules from frames.

Not necessary for HE modules.

### Frames Group Size 3

Frames CR 6 / 2 modules



### Female frame

## Dimensions

[illegible]

For accessories see section "Accessories"

## Housings Group Size 3

### Plug hood HB-6

End locking lower side



TOVL

### Plug hood HBD-16

End locking lower side / high version



TOVL

### Base housing HB-6

End locking, with/without cover



SVL



SDVL

#### Dimensions



#### Dimensions



#### Dimensions



| Version                                 | Type                | Cat. No.   | Qty. |
|-----------------------------------------|---------------------|------------|------|
| <b>Standard housings, metric thread</b> |                     |            |      |
| 1 x M 20 thread                         | HDC HB6 TOVL 1xM20G | 1788120000 | 5    |
| 1 x M 25 thread                         | HDC HB6 TOVL 1xM25G | 1788110000 | 5    |
| 1 x M 20 thread                         | HDC HB6 TSVL 1xM20G | 1805930000 | 5    |
| 1 x M 20 sleeve                         | HDC HB6 TSVL 1xM20  | 1788100000 | 5    |
| 1 x M 25 sleeve                         | HDC HB6 TSVL 1xM25  | 1788090000 | 5    |
| <b>Standard housings, PG thread</b>     |                     |            |      |
| 1 x Pg13 complete                       | HDC-HB-6-TOVL1/13P  | 1201800000 | 5    |
| 1 x Pg13 sleeve                         | HDC-HB-6-TOVL1/13   | 1670500000 | 5    |
| 1 x Pg16 complete                       | HDC-HB-6-TOVL1/16P  | 1652630000 | 5    |
| 1 x Pg16 sleeve                         | HDC-HB-6-TOVL1/16   | 1652640000 | 5    |
| 1 x Pg13 complete                       | HDC-HB-6-TSVL1/13P  | 1201900000 | 5    |
| 1 x Pg13 sleeve                         | HDC-HB-6-TSVL1/13   | 1670530000 | 5    |
| 1 x Pg16 complete                       | HDC-HB-6-TSVL1/16P  | 1652510000 | 5    |
| 1 x Pg16 sleeve                         | HDC-HB-6-TSVL1/16   | 1652520000 | 5    |

| Version                                 | Type                  | Cat. No.   | Qty. |
|-----------------------------------------|-----------------------|------------|------|
| <b>Standard housings, metric thread</b> |                       |            |      |
| 1 x M 25 thread                         | HDC HBD16 TOVL 1xM25G | 1787500000 | 5    |
| 1 x M 32 thread                         | HDC HBD16 TOVL 1xM32G | 1787490000 | 5    |
| 1 x M 25 thread                         | HDC HBD16 TSVL 1xM25G | 1787480000 | 5    |
| 1 x M 32 thread                         | HDC HBD16 TSVL 1xM32G | 1787470000 | 5    |
| <b>Standard housings, PG thread</b>     |                       |            |      |
| 1 x Pg21 complete                       | HDC-HBD-16-TOVL1/21P  | 1652670000 | 5    |
| 1 x Pg21 sleeve                         | HDC-HBD-16-TOVL1/21   | 1652680000 | 5    |
| 1 x Pg29 complete                       | HDC-HBD-16-TOVL1/29P  | 1652690000 | 5    |
| 1 x Pg29 sleeve                         | HDC-HBD-16-TOVL1/29   | 1652700000 | 5    |
| 1 x Pg21 complete                       | HDC-HBD-16-TSVL1/21P  | 1652550000 | 5    |
| 1 x Pg21 sleeve                         | HDC-HBD-16-TSVL1/21   | 1652560000 | 5    |
| 1 x Pg29 complete                       | HDC-HBD-16-TSVL1/29P  | 1652570000 | 5    |
| 1 x Pg29 sleeve                         | HDC-HBD-16-TSVL1/29   | 1652580000 | 5    |

| Version                                            | Type                | Cat. No.   | Qty. |
|----------------------------------------------------|---------------------|------------|------|
| <b>Standard housings, metric thread</b>            |                     |            |      |
| 2 x M 20 thread                                    | HDC HB6 SVL 2xM20G  | 1788140000 | 5    |
| 2 x M 25 thread                                    | HDC HB6 SVL 2xM25G  | 1788130000 | 5    |
| <b>Standard housings with cover, metric thread</b> |                     |            |      |
| 2 x M 20 thread                                    | HDC HB6 SDVL 2xM20G | 1788170000 | 2    |
| 2 x M 25 thread                                    | HDC HB6 SDVL 2xM25G | 1788160000 | 2    |
| <b>Standard housings, PG thread</b>                |                     |            |      |
| 1 x Pg16 complete                                  | HDC-HB-6-SVL1/16P   | 1202200000 | 5    |
| 1 x Pg16 sleeve                                    | HDC-HB-6-SVL1/16    | 1652750000 | 5    |
| 2 x Pg16 complete                                  | HDC-HB-6-SVL2/16P   | 1202300000 | 5    |
| 2 x Pg16 sleeve                                    | HDC-HB-6-SVL2/16    | 1652760000 | 5    |
| <b>Standard housings with cover, PG thread</b>     |                     |            |      |
| 1 x Pg16 complete                                  | HDC-HB-6-SDVL1/16P  | 1202600000 | 2    |
| 1 x Pg16 sleeve                                    | HDC-HB-6-SDVL1/16   | 1652980000 | 2    |
| 2 x Pg16 complete                                  | HDC-HB-6-SDVL2/16P  | 1202700000 | 2    |
| 2 x Pg16 sleeve                                    | HDC-HB-6-SDVL2/16   | 1652990000 | 2    |

TOVL = Plug hood; Top cable entry, end locking  
TSVL = Plug hood; Side cable entry, end locking

TOVL = Plug hood; Top cable entry, end locking  
TSVL = Plug hood; Side cable entry, end locking

SVL = Base housing, end locking  
SDVL = Base housing with cover, end locking

For accessories see section "Accessories"

## Housings Group Size 3

### Base housing HBD-16

End locking, with/without cover, high version



SVL



SDVL

#### Dimensions



| Version                                 | Type                 | Cat. No.   | Qty. |
|-----------------------------------------|----------------------|------------|------|
| <b>Standard housings, metric thread</b> |                      |            |      |
| 1 x M 20 sleeve                         | HDC HB10 TSVU 1xM20  | 1787560000 | 5    |
| 1 x M 25 sleeve                         | HDC HB10 TSVU 1xM25  | 1787550000 | 5    |
| 1 x M 20 thread                         | HDC HB10 TOVU 1xM20G | 1787600000 | 5    |
| 1 x M 25 thread                         | HDC HB10 TOVU 1xM25G | 1787590000 | 5    |
| <b>Standard housings, PG thread</b>     |                      |            |      |
| 1 x Pg16 complete                       | HDC-HB-10-TSVU1/16P  | 1204800000 | 5    |
| 1 x Pg16 sleeve                         | HDC-HB-10-TSVU1/16   | 1654070000 | 5    |
| 1 x Pg21 complete                       | HDC-HB-10-TSVU1/21P  | 1654080000 | 5    |
| 1 x Pg21 sleeve                         | HDC-HB-10-TSVU1/21   | 1654090000 | 5    |
| 1 x Pg16 complete                       | HDC-HB-10-TOVU1/16P  | 1204700000 | 5    |
| 1 x Pg16 sleeve                         | HDC-HB-10-TOVU1/16   | 1654220000 | 5    |
| 1 x Pg21 complete                       | HDC-HB-10-TOVU1/21P  | 1654230000 | 5    |
| 1 x Pg21 sleeve                         | HDC-HB-10-TOVU1/21   | 1654240000 | 5    |

**TSVU** = Plug hood; Side cable entry, side locking lower side

**TOVU** = Plug hood; Top cable entry, side locking lower side

For accessories see section "Accessories"

### Coupling hood HB-6 / HBD-16

End locking

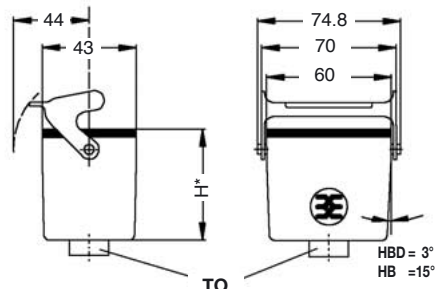


KVL



KVL

#### Dimensions



\*HB = 54.8  
HBD = 74.8

| Version                             | Type                | Cat. No.   | Qty. |
|-------------------------------------|---------------------|------------|------|
| <b>Standard housings, PG thread</b> |                     |            |      |
| 1 x Pg16 complete                   | HDC-HB-6-KVL1/16P   | 1202400000 | 5    |
| 1 x Pg16 sleeve                     | HDC-HB-6-KVL1/16    | 1653200000 | 5    |
| 1 x Pg21 complete                   | HDC-HBD-16-KVL1/21P | 1653230000 | 5    |

**KVL** = Coupling hood, end locking

### Cover for plug hood

Cover with cord



| Type                 | Cat. No.   | Qty. |
|----------------------|------------|------|
| <b>Plastic cover</b> |            |      |
| HDC-HB-6-DT          | 1665210000 | 2    |

### Bulkhead housing HB-6

End locking, with/without cover

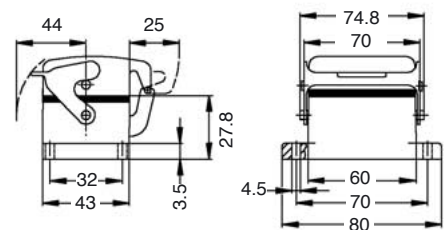


AVL



ADVL

#### Dimensions



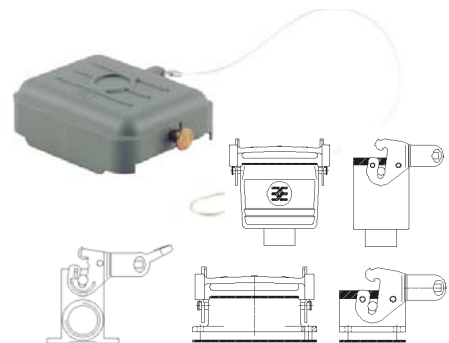
| Version                             | Type          | Cat. No.   | Qty. |
|-------------------------------------|---------------|------------|------|
| <b>Standard housings</b>            |               |            |      |
|                                     | HDC-HB-6-AVL  | 1202100000 | 5    |
| <b>Standard housings with cover</b> |               |            |      |
|                                     | HDC-HB-6-ADVL | 1202500000 | 5    |

**AVL** = Bulkhead housing, end locking

**ADVL** = Bulkhead housing with cover, end locking

### Cover for lower side with end locking

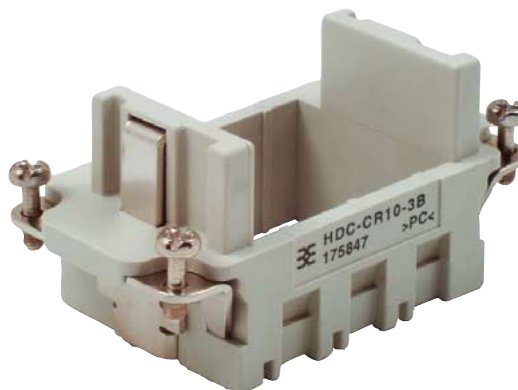
Cover with cord



| Type                 | Cat. No.   | Qty. |
|----------------------|------------|------|
| <b>Plastic cover</b> |            |      |
| HDC-HB-6-DB          | 1665200000 | 5    |



### Male frame



### Female frame

## Dimensions

[illegible]

For accessories see section "Accessories"

## Housings Group Size 4

### Plug hood HB-10

Side locking lower side



TOVU



TSVU

Dimensions



| Version                                 | Type                 | Cat. No.          | Qty. |
|-----------------------------------------|----------------------|-------------------|------|
| <b>Standard housings, metric thread</b> |                      |                   |      |
| 1 x M 20 thread                         | HDC HB10 TSVU 1xM20G | <b>1787560000</b> | 5    |
| 1 x M 25 thread                         | HDC HB10 TSVU 1xM25G | <b>1787550000</b> | 5    |
| 1 x M 20 thread                         | HDC HB10 TOVU 1xM20G | <b>1787600000</b> | 5    |
| 1 x M 25 thread                         | HDC HB10 TOVU 1xM25G | <b>1787590000</b> | 5    |
| <b>Standard housings, PG thread</b>     |                      |                   |      |
| 1 x Pg16 complete                       | HDC-HB-10-TSVU1/16P  | <b>1204800000</b> | 5    |
| 1 x Pg16 sleeve                         | HDC-HB-10-TSVU1/16   | <b>1654070000</b> | 5    |
| 1 x Pg21 complete                       | HDC-HB-10-TSVU1/21P  | <b>1654080000</b> | 5    |
| 1 x Pg21 sleeve                         | HDC-HB-10-TSVU1/21   | <b>1654090000</b> | 5    |
| 1 x Pg16 complete                       | HDC-HB-10-TOVU1/16P  | <b>1204700000</b> | 5    |
| 1 x Pg16 sleeve                         | HDC-HB-10-TOVU1/16   | <b>1654220000</b> | 5    |
| 1 x Pg21 complete                       | HDC-HB-10-TOVU1/21P  | <b>1654230000</b> | 5    |
| 1 x Pg21 sleeve                         | HDC-HB-10-TOVU1/21   | <b>1654240000</b> | 5    |

**TSVU** = Plug hood; Side cable entry, side locking lower side

**TOVU** = Plug hood; Top cable entry, side locking lower side

For accessories see section "Accessories"

### Plug hood HBD-24

Side locking lower side / high version



TOVU



TSVU

Dimensions



| Version                                 | Type                  | Cat. No.          | Qty. |
|-----------------------------------------|-----------------------|-------------------|------|
| <b>Standard housings, metric thread</b> |                       |                   |      |
| 1 x M 25 thread                         | HDC HBD24 TSVU 1xM25G | <b>1787240000</b> | 5    |
| 1 x M 32 thread                         | HDC HBD24 TSVU 1xM32G | <b>1787230000</b> | 5    |
| 1 x M 25 thread                         | HDC HBD24 TOVU 1xM25G | <b>1787300000</b> | 5    |
| 1 x M 32 thread                         | HDC HBD24 TOVU 1xM32G | <b>1787290000</b> | 5    |
| <b>Standard housings, PG thread</b>     |                       |                   |      |
| 1 x Pg21 complete                       | HDC-HBD-24-TSVU1/21P  | <b>1654140000</b> | 5    |
| 1 x Pg21 sleeve                         | HDC-HBD-24-TSVU1/21   | <b>1654150000</b> | 5    |
| 1 x Pg29 complete                       | HDC-HBD-24-TSVU1/29P  | <b>1654160000</b> | 5    |
| 1 x Pg29 sleeve                         | HDC-HBD-24-TSVU1/29   | <b>1654170000</b> | 5    |
| 1 x Pg21 complete                       | HDC-HBD-24-TOVU1/21P  | <b>1654290000</b> | 5    |
| 1 x Pg29 complete                       | HDC-HBD-24-TOVU1/29P  | <b>1654310000</b> | 5    |

**TSVU** = Plug hood; Side cable entry, side locking lower side

**TOVU** = Plug hood; Top cable entry, side locking lower side

### Base housing HB-10 / HBD-24

Side locking



SVU



SVU

Dimensions



\*HB/HBD

| Version                                 | Type                 | Cat. No.          | Qty. |
|-----------------------------------------|----------------------|-------------------|------|
| <b>Standard housings, metric thread</b> |                      |                   |      |
| 1 x M 20 thread                         | HDC HB10 SVU 2xM20G  | <b>1787640000</b> | 2    |
| 1 x M 25 thread                         | HDC HB10 SVU 2xM25G  | <b>1787630000</b> | 2    |
| 2 x M 25 thread                         | HDC HBD24 SVU 2xM25G | <b>1787350000</b> | 2    |
| 2 x M 32 thread                         | HDC HBD24 SVU 2xM32G | <b>1787360000</b> | 2    |
| <b>Standard housings, PG thread</b>     |                      |                   |      |
| 1 x Pg16 complete                       | HDC-HB-10-SVU1/16P   | <b>1205100000</b> | 2    |
| 1 x Pg16 sleeve                         | HDC-HB-10-SVU1/16    | <b>1654370000</b> | 2    |
| 2 x Pg16 complete                       | HDC-HB-10-SVU2/16P   | <b>1205200000</b> | 2    |
| 2 x Pg16 sleeve                         | HDC-HB-10-SVU2/16    | <b>1654380000</b> | 2    |
| 1 x Pg21 complete                       | HDC-HBD-24-SVU1/21P  | <b>1654420000</b> | 2    |
| 1 x Pg21 sleeve                         | HDC-HBD-24-SVU1/21   | <b>1654430000</b> | 2    |
| 1 x Pg29 sleeve                         | HDC-HBD-24-SVU1/29   | <b>1654470000</b> | 2    |
| 2 x Pg21 complete                       | HDC-HBD-24-SVU2/21P  | <b>1654440000</b> | 2    |
| 2 x Pg21 sleeve                         | HDC-HBD-24-SVU2/21   | <b>1654450000</b> | 2    |
| 2 x Pg29 complete                       | HDC-HBD-24-SVU2/29P  | <b>1654480000</b> | 2    |

**SVU** = Base housing, side locking

## Housings Group Size 4

### Coupling hood HB-10 / HBD 24

Side locking



KVV



KVV

Dimensions


\*HB = 54.8  
HBD = 74.8

| Version                                 | Type                 | Cat. No.   | Qty. |
|-----------------------------------------|----------------------|------------|------|
| <b>Standard housings, metric thread</b> |                      |            |      |
| 1 x M 20 thread                         | HDC HB10 KVV 1xM20G  | 1787720000 | 5    |
| 1 x M 25 thread                         | HDC HB10 KVV 1xM25G  | 1787710000 | 5    |
| 1 x M 25 thread                         | HDC HBD24 KVV 1xM25G | 1787440000 | 2    |
| 1 x M 32 thread                         | HDC HBD24 KVV 1xM32G | 1787430000 | 2    |
| <b>Standard housings, PG thread</b>     |                      |            |      |
| 1 x Pg16 complete                       | HDC-HB-10-KVV1/16P   | 1205300000 | 5    |
| 1 x Pg16 sleeve                         | HDC-HB-10-KVV1/16    | 1654580000 | 5    |
| 1 x Pg21 complete                       | HDC-HB-10-KVV1/21P   | 1654590000 | 5    |
| 1 x Pg21 complete                       | HDC-HBD-24-KVV1/21P  | 1654650000 | 2    |
| 1 x Pg29 complete                       | HDC-HBD-24-KVV1/29P  | 1654670000 | 2    |

KVV = Coupling hood, side locking

### Cover for plug hood

Cover with cord



| Type                 | Cat. No.   | Qty. |
|----------------------|------------|------|
| <b>Plastic cover</b> |            |      |
| HDC-HB-10-DT         | 1665240000 | 2    |

For accessories see section "Accessories"

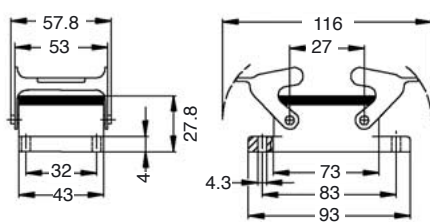
### Bulkhead housing HB-10

Side locking



AVU

Dimensions

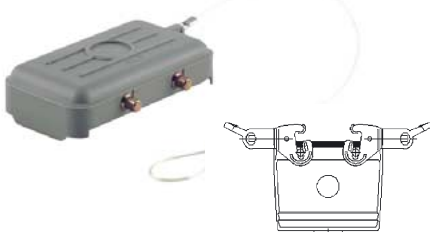


| Version                  | Type          | Cat. No.   | Qty. |
|--------------------------|---------------|------------|------|
| <b>Standard housings</b> |               |            |      |
|                          | HDC-HB-10-AVU | 1205000000 | 5    |
|                          |               |            |      |
|                          |               |            |      |
|                          |               |            |      |
|                          |               |            |      |
|                          |               |            |      |
|                          |               |            |      |
|                          |               |            |      |
|                          |               |            |      |

AVU = Bulkhead housing, side locking

### Cover for lower side with side locking

Cover with cord



| Type                 | Cat. No.   | Qty. |
|----------------------|------------|------|
| <b>Plastic cover</b> |            |      |
| HDC-HB-10-DB         | 1665230000 | 5    |

### Plug hood HB-10 / HBD-24

Side locking

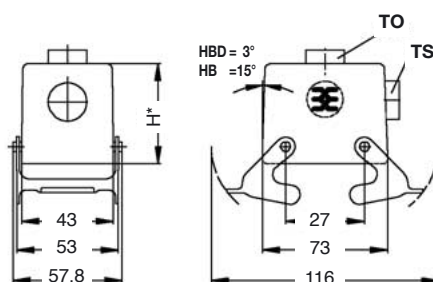


TSVO



TSVO

Dimensions


\*HB = 52  
HBD = 72

| Version                                 | Type                  | Cat. No.   | Qty. |
|-----------------------------------------|-----------------------|------------|------|
| <b>Standard housings, metric thread</b> |                       |            |      |
| 1 x M 25 sleeve                         | HDC HB10 TSVO 1xM25   | 1787570000 | 5    |
| 1 x M 25 thread                         | HDC HB10 TOVO 1xM25G  | 1787610000 | 5    |
| 1 x M 25 thread                         | HDC HBD24 TSVO 1xM25G | 1787260000 | 2    |
| 1 x M 32 thread                         | HDC HBD24 TSVO 1xM32G | 1787250000 | 2    |
| 1 x M 25 thread                         | HDC HBD24 TOVO 1xM25G | 1787320000 | 2    |
| 1 x M 32 thread                         | HDC HBD24 TOVO 1xM32G | 1787310000 | 2    |
| <b>Standard housings, PG thread</b>     |                       |            |      |
| 1 x Pg16 complete                       | HDC-HB-10-TSVO1/16P   | 1205500000 | 5    |
| 1 x Pg16 sleeve                         | HDC-HB-10-TSVO1/16    | 1654750000 | 5    |
| 1 x Pg16 complete                       | HDC-HB-10-TOVO1/16P   | 1205400000 | 5    |
| 1 x Pg16 sleeve                         | HDC-HB-10-TOVO1/16    | 1654860000 | 5    |
| 1 x Pg21 sleeve                         | HDC-HBD-24-TSVO1/21   | 1654790000 | 2    |
| 1 x Pg29 complete                       | HDC-HBD-24-TSVO1/29P  | 1654800000 | 2    |
| 1 x Pg29 sleeve                         | HDC-HBD-24-TSVO1/29   | 1654810000 | 2    |
| 1 x Pg21 complete                       | HDC-HBD-24-TOVO1/21P  | 1654890000 | 2    |
| 1 x Pg29 complete                       | HDC-HBD-24-TOVO1/29P  | 1654910000 | 2    |
| 1 x Pg29 sleeve                         | HDC-HBD-24-TOVO1/29   | 1654920000 | 2    |

TSVO = Plug hood; Side cable entry, side locking

TOVO = Plug hood; Top cable entry, side locking

## Housings Group Size 4

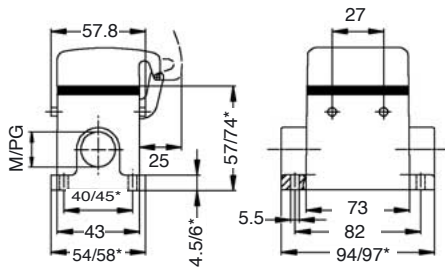
### Base housing HB-10 / HBD-24

Side locking upper side



SDVO

Dimensions



\*HB/HBD

| Version                                            | Type                  | Cat. No.   | Qty. |
|----------------------------------------------------|-----------------------|------------|------|
| <b>Standard housings with cover, metric thread</b> |                       |            |      |
| 1 x M 20 thread                                    | HDC HB10 SDVO 2xM20G  | 1787680000 | 2    |
| 1 x M 25 thread                                    | HDC HB10 SDVO 2xM25G  | 1787670000 | 2    |
| 1 x M 25 thread                                    | HDC HBD24 SDVO 2xM25G | 1787400000 | 1    |
| 1 x M 32 thread                                    | HDC HBD24 SDVO 2xM32G | 1787390000 | 1    |
| <b>Standard housings with cover, PG thread</b>     |                       |            |      |
| 1 x Pg16 complete                                  | HDC-HB-10-SDVO1/16P   | 1205700000 | 2    |
| 1 x Pg16 sleeve                                    | HDC-HB-10-SDVO1/16    | 1654990000 | 2    |
| 2 x Pg16 complete                                  | HDC-HB-10-SDVO2/16P   | 1205800000 | 2    |
| 2 x Pg16 sleeve                                    | HDC-HB-10-SDVO2/16    | 1655000000 | 2    |
| 1 x Pg21 complete                                  | HDC-HBD-24-SDVO1/21P  | 1655050000 | 1    |
| 1 x Pg29 complete                                  | HDC-HBD-24-SDVO1/29P  | 1655090000 | 1    |
| 2 x Pg29 complete                                  | HDC-HBD-24-SDVO2/29P  | 1655110000 | 1    |

SDVO = Base housing with cover, side locking upper side

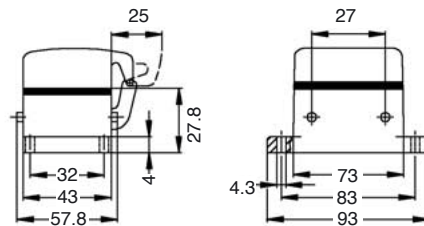
### Bulkhead housing HB-10

With cover / side locking upper side



ADVO

Dimensions

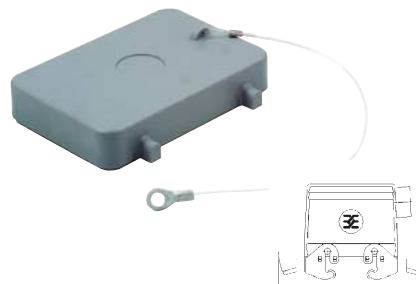


| Version                             | Type           | Cat. No.   | Qty. |
|-------------------------------------|----------------|------------|------|
| <b>Standard housings with cover</b> |                |            |      |
|                                     | HDC-HB-10-ADVO | 1205600000 | 5    |

ADVO = Bulkhead housing with cover, Side locking upper side

### Cover for plug hood with side locking

Cover with cord



| Type                 | Cat. No.   | Qty. |
|----------------------|------------|------|
| <b>Plastic cover</b> |            |      |
| HDC-HB-10-DBP        | 1665250000 | 5    |

### Plug hood HB-10 / HBD-24

End locking lower side

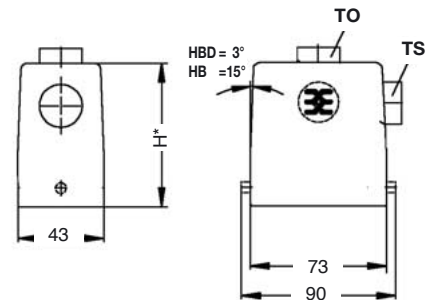


TOVL



TOVL

Dimensions



\*HB = 52  
HBD= 72

| Version                                 | Type                  | Cat. No.   | Qty. |
|-----------------------------------------|-----------------------|------------|------|
| <b>Standard housings, metric thread</b> |                       |            |      |
| 1 x M 25 sleeve                         | HDC HB10 TSVL 1xM25   | 1787580000 | 5    |
| 1 x M 25 thread                         | HDC HB10 TOVL 1xM25G  | 1787620000 | 5    |
| 1 x M 25 thread                         | HDC HBD24 TSVL 1xM25G | 1787280000 | 2    |
| 1 x M 32 thread                         | HDC HBD24 TSVL 1xM32G | 1787270000 | 2    |
| 1 x M 25 thread                         | HDC HBD24 TOVL 1xM25G | 1787340000 | 2    |
| 1 x M 32 thread                         | HDC HBD24 TOVL 1xM32G | 1787330000 | 2    |
| <b>Standard housings, PG thread</b>     |                       |            |      |
| 1 x Pg16 complete                       | HDC-HB-10-TSVL1/16P   | 1206000000 | 5    |
| 1 x Pg16 sleeve                         | HDC-HB-10-TSVL1/16    | 1655210000 | 5    |
| 1 x Pg16 complete                       | HDC-HB-10-TOVL1/16P   | 1205900000 | 5    |
| 1 x Pg16 sleeve                         | HDC-HB-10-TOVL1/16    | 1655320000 | 5    |
| 1 x Pg21 complete                       | HDC-HBD-24-TSVL1/21P  | 1655240000 | 2    |
| 1 x Pg21 sleeve                         | HDC-HBD-24-TSVL1/21   | 1655250000 | 2    |
| 1 x Pg29 complete                       | HDC-HBD-24-TSVL1/29P  | 1655260000 | 2    |
| 1 x Pg29 sleeve                         | HDC-HBD-24-TSVL1/29   | 1655270000 | 2    |
| 1 x Pg21 complete                       | HDC-HBD-24-TOVL1/21P  | 1655350000 | 2    |
| 1 x Pg21 sleeve                         | HDC-HBD-24-TOVL1/21   | 1655360000 | 2    |
| 1 x Pg29 complete                       | HDC-HBD-24-TOVL1/29P  | 1655370000 | 2    |
| 1 x Pg29 sleeve                         | HDC-HBD-24-TOVL1/29   | 1655380000 | 2    |

TSVL = Plug hood; Side cable entry, end locking

TOVL = Plug hood; Top cable entry, end locking

For accessories see section "Accessories"

## Housings Group Size 4

### Base housing HB-10 / HBD-24

End locking, with/without cover

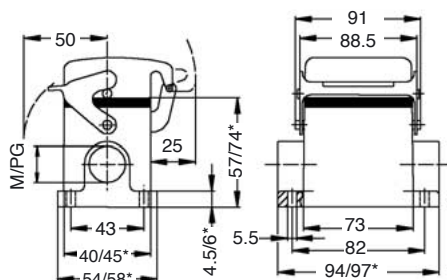


SVL



SDVL

#### Dimensions



\*HB/HBG

| Version                                            | Type                  | Cat. No.   | Qty. |
|----------------------------------------------------|-----------------------|------------|------|
| <b>Standard housings, metric thread</b>            |                       |            |      |
| 2 x M 20 thread                                    | HDC HB10 SVL 2xM20G   | 1787660000 | 2    |
| 2 x M 25 thread                                    | HDC HB10 SVL 2xM25G   | 1787650000 | 2    |
| 2 x M 25 thread                                    | HDC HBD24 SVL 2xM25G  | 1787380000 | 2    |
| 2 x M 32 thread                                    | HDC HBD24 SVL 2xM32G  | 1787370000 | 2    |
| <b>Standard housings with cover, metric thread</b> |                       |            |      |
| 2 x M 20 thread                                    | HDC HB10 SDVL 2xM20G  | 1787700000 | 2    |
| 2 x M 25 thread                                    | HDC HB10 SDVL 2xM25G  | 1787690000 | 2    |
| 1 x M 25 thread                                    | HDC HBD24 SDVL 1xM25G | 1787420000 | 1    |
| 1 x M 32 thread                                    | HDC HBD24 SDVL 1xM32G | 1787410000 | 1    |
| <b>Standard housings, PG thread</b>                |                       |            |      |
| 1 x Pg16 complete                                  | HDC-HB-10-SVL1/16P    | 1206200000 | 2    |
| 1 x Pg16 sleeve                                    | HDC-HB-10-SVL1/16     | 1655460000 | 2    |
| 2 x Pg16 complete                                  | HDC-HB-10-SVL2/16P    | 1206300000 | 2    |
| 2 x Pg16 sleeve                                    | HDC-HB-10-SVL2/16     | 1655470000 | 2    |
| 1 x Pg21 complete                                  | HDC-HBD-24-SVL1/21P   | 1655510000 | 2    |
| 1 x Pg29 complete                                  | HDC-HBD-24-SVL1/29P   | 1655550000 | 2    |
| <b>Standard housings with cover, PG thread</b>     |                       |            |      |
| 1 x Pg16 complete                                  | HDC-HB-10-SDVL1/16P   | 1206600000 | 2    |
| 1 x Pg16 sleeve                                    | HDC-HB-10-SDVL1/16    | 1655670000 | 2    |
| 2 x Pg16 complete                                  | HDC-HB-10-SDVL2/16P   | 1206700000 | 1    |
| 2 x Pg16 sleeve                                    | HDC-HB-10-SDVL2/16    | 1655680000 | 1    |
| 1 x Pg21 complete                                  | HDC-HBD-24-SDVL1/21P  | 1655720000 | 1    |

SVL = Base housing, end locking

SDVL = Base housing with cover, end locking

### Coupling hood HB-10 / HBD-24

End locking



KVL



KVL

#### Dimensions



\*HB = 54.8  
HBD = 74.8

| Version                                 | Type                 | Cat. No.   | Qty. |
|-----------------------------------------|----------------------|------------|------|
| <b>Standard housings, metric thread</b> |                      |            |      |
| 1 x M 20 thread                         | HDC HB10 KVL 1xM20G  | 1787740000 | 5    |
| 1 x M 25 thread                         | HDC HB10 KVL 1xM25G  | 1787730000 | 2    |
| 1 x M 25 thread                         | HDC HBD24 KVL 1xM25G | 1787460000 | 2    |
| 1 x M 32 thread                         | HDC HBD24 KVL 1xM32G | 1787450000 | 2    |
| <b>Standard housings, PG thread</b>     |                      |            |      |
| 1 x Pg16 complete                       | HDC-HB-10-KVL1/16P   | 1655880000 | 5    |
| 1 x Pg16 sleeve                         | HDC-HB-10-KVL1/16    | 1655890000 | 5    |
| 1 x Pg21 complete                       | HDC-HB-10-KVL1/21P   | 1655900000 | 2    |

KVL = Coupling hood, end locking

### Bulkhead housing HB-10

End locking, with/without cover

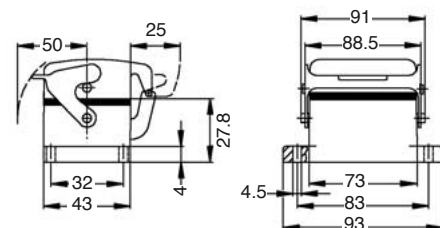


AVL



ADVL

#### Dimensions



| Version                             | Type           | Cat. No.   | Qty. |
|-------------------------------------|----------------|------------|------|
| <b>Standard housings</b>            |                |            |      |
|                                     | HDC-HB-10-AVL  | 1206100000 | 5    |
| <b>Standard housings with cover</b> |                |            |      |
|                                     | HDC-HB-10-ADVL | 1206500000 | 2    |

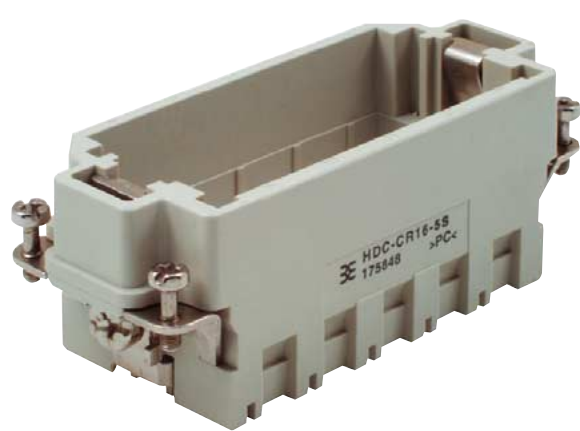
AVL = Bulkhead housing, end locking

ADVL = Bulkhead housing with cover, end locking

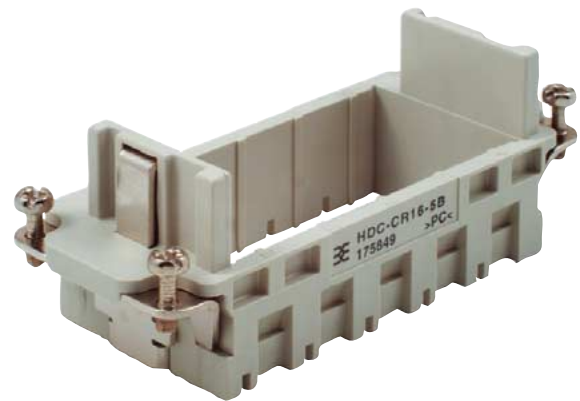
For accessories see section "Accessories"

Frames Group Size 6

Frames CR 16 / 5 Modules



Male frame



Female frame

Dimensions



| Colour               |               | Black      | Grey       |      |        |        |        |        |               |            |  |
|----------------------|---------------|------------|------------|------|--------|--------|--------|--------|---------------|------------|--|
| Version              | Type          | Cat. No.   | Cat. No.   | Qty. | a (mm) | b (mm) | c (mm) | L (mm) | Remarks       | Group size |  |
| Male                 | HDC-CR16-5S   | 1682220000 | 1758480000 | 5    | 77.5   | 84.5   | 57.5   | 77.5   | For 5 modules | 6 (10)     |  |
| Female               | HDC-CR16-5B   | 1682230000 | 1758490000 | 5    | 77.5   | 84.5   | 57.5   | 77.5   | For 5 modules | 6 (10)     |  |
| Male <sup>1)</sup>   | HDC-CR16-5S-2 |            | 1758520000 | 5    | 77.5   | 84.5   | 57.5   | 77.5   | For 5 modules | 10         |  |
| Female <sup>1)</sup> | HDC-CR16-5B-2 |            | 1758530000 | 5    | 77.5   | 84.5   | 57.5   | 77.5   | For 5 modules | 10         |  |

<sup>1)</sup> addition markings for the use of two frames in one housing.  
2 frames = groupe size 10.

For accessories see section "Accessories"

## Concept

### Side locking lower side

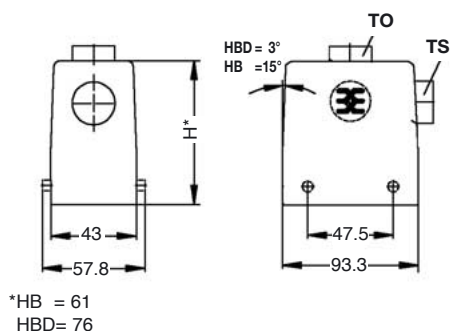


TSVU



TOVU

## Dimensions



\*HB = 61  
HBD= 76

| Version                                 | Type                  | Cat. No.          | Qty. |
|-----------------------------------------|-----------------------|-------------------|------|
| <b>Standard housings, metric thread</b> |                       |                   |      |
| 1 x M 25 sleeve                         | HDC HB16 TSUV 1xM25   | <b>1788180000</b> | 5    |
| 1 x M 25 thread                         | HDC HB16 TOVU 1xM25G  | <b>1788210000</b> | 5    |
| 1 x M 25 thread                         | HDC HBD40 TSUV 1xM25G | <b>1787010000</b> | 5    |
| 1 x M 32 thread                         | HDC HBD40 TSUV 1xM32G | <b>1787000000</b> | 5    |
| 1 x M 25 thread                         | HDC HBD40 TOVU 1xM25G | <b>1787070000</b> | 5    |
| 1 x M 32 thread                         | HDC HBD40 TOVU 1xM32G | <b>1787060000</b> | 5    |
| <b>Standard housings, PG thread</b>     |                       |                   |      |
| 1 x Pg21 complete                       | HDC-HB-16-TSVU1/21P   | <b>1208400000</b> | 5    |
| 1 x Pg21 sleeve                         | HDC-HB-16-TSVU1/21    | <b>1656480000</b> | 5    |
| 1 x Pg21 complete                       | HDC-HB-16-TOVU1/21P   | <b>1208300000</b> | 5    |
| 1 x Pg21 sleeve                         | HDC-HB-16-TOVU1/21    | <b>1656590000</b> | 5    |
| 1 x Pg21 complete                       | HDC-HBD-40-TSVU1/21P  | <b>1656510000</b> | 5    |
| 1 x Pg21 sleeve                         | HDC-HBD-40-TSVU1/21   | <b>1656520000</b> | 5    |
| 1 x Pg29 complete                       | HDC-HBD-40-TSVU1/29P  | <b>1656530000</b> | 5    |
| 1 x Pg29 sleeve                         | HDC-HBD-40-TSVU1/29   | <b>1656540000</b> | 5    |
| 1 x Pg21 complete                       | HDC-HBD-40-TOVU1/21P  | <b>1656620000</b> | 5    |
| 1 x Pg21 sleeve                         | HDC-HBD-40-TOVU1/21   | <b>1656630000</b> | 5    |
| 1 x Pg29 complete                       | HDC-HBD-40-TOVU1/29P  | <b>1656640000</b> | 5    |
| 1 x Pg29 sleeve                         | HDC-HBD-40-TOVU1/29   | <b>1656650000</b> | 5    |

**TOVU** = Plug hood; Top cable entry, side locking lower side

**TSVU** = Plug hood; Side cable entry,  
side locking lower side

For accessories see section "Accessories"

### Side locking



SVU

## Dimensions



\*HB/HBD

| Version                                 | Type                 | Cat. No.          | Qty. |
|-----------------------------------------|----------------------|-------------------|------|
| <b>Standard housings, metric thread</b> |                      |                   |      |
| 1 x M 25 thread                         | HDC HB16 SVU 2xM25G  | <b>1788240000</b> | 2    |
| 2 x M 25 thread                         | HDC HBD40 SVU 2xM25G | <b>1787120000</b> | 2    |
| 2 x M 32 thread                         | HDC HBD40 SVU 2xM32G | <b>1787110000</b> | 2    |
| <b>Standard housings, PG thread</b>     |                      |                   |      |
| 1 x Pg21 complete                       | HDC-HB-16-SVU1/21P   | <b>1208700000</b> | 2    |
| 1 x Pg21 sleeve                         | HDC-HB-16-SVU1/21    | <b>1656720000</b> | 2    |
| 2 x Pg21 complete                       | HDC-HB-16-SVU2/21P   | <b>1208800000</b> | 2    |
| 2 x Pg21 sleeve                         | HDC-HB-16-SVU2/21    | <b>1656730000</b> | 2    |
| 1 x Pg21 sleeve                         | HDC-HBD-40-SVU1/21   | <b>1656790000</b> | 2    |
| 1 x Pg29 complete                       | HDC-HBD-40-SVU1/29P  | <b>1656820000</b> | 2    |
| 2 x Pg21 complete                       | HDC-HBD-40-SVU2/21P  | <b>1656800000</b> | 2    |
| 2 x Pg21 sleeve                         | HDC-HBD-40-SVU2/21   | <b>1656810000</b> | 2    |
| 2 x Pg29 complete                       | HDC-HBD-40-SVU2/29P  | <b>1656840000</b> | 2    |

**SVU** = Base housing, side locking lower side

### Side locking



KVU

## Dimensions



\*HB = 63.8  
HBD= 78.8

| Version                                 | Type                  | Cat. No.          | Qty. |
|-----------------------------------------|-----------------------|-------------------|------|
| <b>Standard housings, metric thread</b> |                       |                   |      |
| 1 x M 25 thread                         | HDC HBD40 KVVU 1xM25G | <b>1787200000</b> | 2    |
| 1 x M 32 thread                         | HDC HBD40 KVVU 1xM32G | <b>1787190000</b> | 2    |
| 1 x M 25 thread                         | HDC HB16 KVVU 1xM25G  | <b>1788280000</b> | 2    |
| <b>Standard housings, PG thread</b>     |                       |                   |      |
| 1 x Pg21 complete                       | HDC-HB-16-KVU1/21P    | <b>1208900000</b> | 2    |
| 1 x Pg21 sleeve                         | HDC-HB-16-KVU1/21     | <b>1657270000</b> | 2    |
| 1 x Pg21 complete                       | HDC-HBD-40-KVU1/21P   | <b>1657300000</b> | 2    |
| 1 x Pg21 sleeve                         | HDC-HBD-40-KVU1/21    | <b>1657310000</b> | 2    |
| 1 x Pg29 complete                       | HDC-HBD-40-KVU1/29P   | <b>1657320000</b> | 2    |

**KVU** = Coupling hood, side locking

**Cover with cord**



| Type                 | Cat. No.          | Qty. |
|----------------------|-------------------|------|
| <b>Plastic cover</b> |                   |      |
| HDC-HB-16-DT         | <b>1665270000</b> | 2    |

## Housings Group Size 6

### Bulkhead housing HB-16

### Side locking



**AVU**

### Plug hood HB-16 / HBD-40

### Side locking



TSVO



**TOVO**

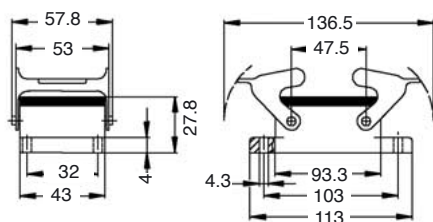
### Base housing HB-16 / HBD-40

Side locking upper side

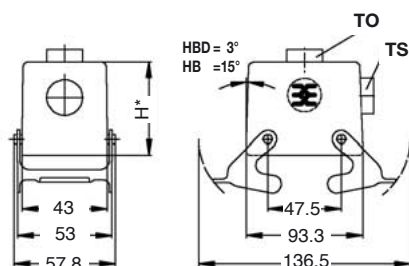


SDVO

## Dimensions

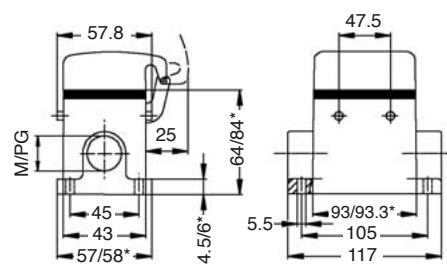


## Dimensions



\*HB = 61  
HBD= 76

## Dimensions



| Version                  | Type          | Cat. No.          | Qty.     |
|--------------------------|---------------|-------------------|----------|
| <b>Standard housings</b> |               |                   |          |
|                          | HDC-HB-16-AVU | <b>1208600000</b> | <b>5</b> |

**AVU** = Bulkhead housing, side locking

| Version                                 | Type                 | Cat. No.          | Qty. |
|-----------------------------------------|----------------------|-------------------|------|
| <b>Standard housings, metric thread</b> |                      |                   |      |
| 1 x M 25 sleeve                         | HDC HB16 TSV0 1xM25  | <b>1788190000</b> | 2    |
| 1 x M 25 thread                         | HDC HB16 TSV0 1xM25C | <b>1788200000</b> | 2    |

### Standard housings, PG thread

|          |          |                      |                   |   |
|----------|----------|----------------------|-------------------|---|
| 1 x Pg21 | complete | HDC-HB-16-TSVO1/21P  | <b>1209100000</b> | 2 |
| 1 x Pg21 | sleeve   | HDC-HB-16-TSVO1/21   | <b>1657380000</b> | 2 |
| 1 x Pg21 | complete | HDC-HB-16-TOVO1/21P  | <b>1209000000</b> | 2 |
| 1 x Pg21 | sleeve   | HDC-HB-16-TOVO1/21   | <b>1657490000</b> | 2 |
| 1 x Pg21 | complete | HDC-HBD-40-TSVO1/21P | <b>1657410000</b> | 2 |
| 1 x Pg21 | sleeve   | HDC-HBD-40-TSVO1/21  | <b>1657420000</b> | 2 |
| 1 x Pg29 | complete | HDC-HBD-40-TSVO1/29P | <b>1657430000</b> | 2 |
| 1 x Pg21 | complete | HDC-HBD-40-TOVO1/21P | <b>1657520000</b> | 2 |
| 1 x Pg29 | complete | HDC-HBD-40-TOVO1/29P | <b>1657540000</b> | 2 |
| 1 x Pg29 | sleeve   | HDC-HBD-40-TOVO1/29  | <b>1657550000</b> | 2 |

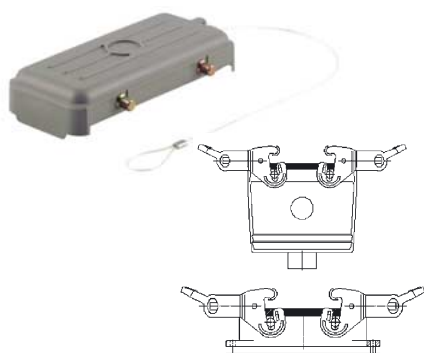
| Version                                            | Type                 | Cat. No.          | Qty. |
|----------------------------------------------------|----------------------|-------------------|------|
| <b>Standard housings with cover, metric thread</b> |                      |                   |      |
| 2 x M 25 thread                                    | HDC HB16 SDVO 2xM25G | <b>1788260000</b> | 2    |
| 2 x M 25 thread                                    | HDC HB16 SDVO 2xM25G | <b>1787160000</b> | 2    |

### Standard housings with cover, PG thread

|          |          |                      |                   |   |
|----------|----------|----------------------|-------------------|---|
| 1 x Pg21 | complete | HDC-HB-16-SDVO1/21P  | <b>1209300000</b> | 2 |
| 2 x Pg21 | complete | HDC-HB-16-SDVO2/21P  | <b>1209400000</b> | 2 |
| 2 x Pg21 | sleeve   | HDC-HB-16-SDVO2/21   | <b>1657640000</b> | 2 |
| 1 x Pg21 | complete | HDC-HBD-40-SDVO1/21P | <b>1657690000</b> | 2 |
| 1 x Pg21 | sleeve   | HDC-HBD-40-SDVO1/21  | <b>1657700000</b> | 2 |
| 2 x Pg21 | complete | HDC-HBD-40-SDVO2/21P | <b>1657710000</b> | 2 |

### Cover for lower side with side locking

### Cover with cord



| Type                 | Cat. No.          | Qty. |
|----------------------|-------------------|------|
| <b>Plastic cover</b> |                   |      |
| HDC-HB-16-DB         | <b>1665260000</b> | 2    |

For accessories see section "Accessories"

**TSVO** = Plug hood; Side cable entry, side locking

**TOVO** = Plug hood; Top cable entry, side locking

**SDVO** = Base housing with cover, side locking upper side

## Housings Group Size 6

### Bulkhead housing HB-16

Side locking upper side



ADVO

Dimensions



| Version                                                 | Type           | Cat. No.   | Qty. |
|---------------------------------------------------------|----------------|------------|------|
| <b>Standard housings</b>                                |                |            |      |
|                                                         | HDC-HB-16-ADVO | 1209200000 | 2    |
| <b>ADVL = Bulkhead housing with cover, side locking</b> |                |            |      |
|                                                         |                |            |      |

### Cover for plug hood with side locking

Cover with cord



| Type                 | Cat. No.   | Qty. |
|----------------------|------------|------|
| <b>Plastic cover</b> |            |      |
| HDC-HB-16-DBP        | 1665620000 | 5    |
|                      |            |      |
|                      |            |      |

For accessories see section "Accessories"

### Plug hood HB-16 / HBD-40

End locking lower side / high version

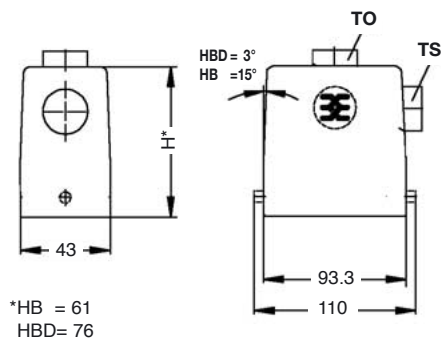


TOVL



TSVL

Dimensions



\*HB = 61  
HBD = 76

| Version                                 | Type                  | Cat. No.   | Qty. |
|-----------------------------------------|-----------------------|------------|------|
| <b>Standard housings, metric thread</b> |                       |            |      |
| 1 x M 25 sleeve                         | HDC HB16 TSVL 1xM25   | 1788200000 | 5    |
| 1 x M 25 thread                         | HDC HB16 TOVL 1xM25G  | 1788230000 | 5    |
| 1 x M 32 thread                         | HDC HB16 TSVL 1xM32G  | 1804640000 | 5    |
| 1 x M 32 thread                         | HDC HB16 TOVL 1xM32G  | 1804630000 | 5    |
| 1 x M 25 thread                         | HDC HBD40 TSVL 1xM25G | 1787050000 | 5    |
| 1 x M 32 thread                         | HDC HBD40 TSVL 1xM32G | 1787040000 | 5    |
| 1 x M 32 thread                         | HDC HBD40 TOVL 1xM32G | 1787100000 | 5    |
| <b>Standard housings, PG thread</b>     |                       |            |      |
| 1 x Pg21 complete                       | HDC-HB-16-TSVL1/21P   | 1209600000 | 5    |
| 1 x Pg21 sleeve                         | HDC-HB-16-TSVL1/21    | 1657850000 | 5    |
| 1 x Pg21 complete                       | HDC-HB-16-TOVL1/21P   | 1209500000 | 5    |
| 1 x Pg21 sleeve                         | HDC-HB-16-TOVL1/21    | 1657960000 | 5    |
| 1 x Pg21 complete                       | HDC-HBD-40-TSVL1/21P  | 1657880000 | 5    |
| 1 x Pg21 sleeve                         | HDC-HBD-40-TSVL1/21   | 1657890000 | 5    |
| 1 x Pg29 complete                       | HDC-HBD-40-TSVL1/29P  | 1657900000 | 5    |
| 1 x Pg29 sleeve                         | HDC-HBD-40-TSVL1/29   | 1657910000 | 5    |
| 1 x Pg21 complete                       | HDC-HBD-40-TOVL1/21P  | 1657990000 | 5    |
| 1 x Pg21 sleeve                         | HDC-HBD-40-TOVL1/21   | 1658000000 | 5    |
| 1 x Pg29 complete                       | HDC-HBD-40-TOVL1/29P  | 1658010000 | 5    |
| 1 x Pg29 sleeve                         | HDC-HBD-40-TOVL1/29   | 1658020000 | 5    |

**TSVL** = Plug hood; Side cable entry, end locking lower side  
**TOVL** = Plug hood; Top cable entry, end locking lower side

### Base housing HB-16 / HBD-40

End locking with/without cover

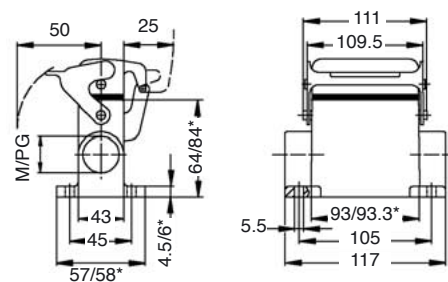


SVL



SDVL

Dimensions



\*HB/HBD

| Version                                 | Type                  | Cat. No.   | Qty. |
|-----------------------------------------|-----------------------|------------|------|
| <b>Standard housings, metric thread</b> |                       |            |      |
| 2 x M 25 thread                         | HDC HB16 SVL 2xM25G   | 1788250000 | 2    |
| 2 x M 25 thread                         | HDC HBD40 SVL 2xM25G  | 1787140000 | 2    |
| 2 x M 32 thread                         | HDC HBD40 SVL 1xM32G  | 1804660000 | 2    |
| 2 x M 32 thread                         | HDC HBD40 SVL 2xM32G  | 1787130000 | 2    |
| 2 x M 25 thread                         | HDC HB16 SDVL 2xM25G  | 1788270000 | 2    |
| 2 x M 25 thread                         | HDC HBD40 SDVL 2xM25G | 1787180000 | 2    |
| 2 x M 32 thread                         | HDC HBD40 SDVL 2xM32G | 1787170000 | 2    |
| <b>Standard housings, PG- thread</b>    |                       |            |      |
| 1 x Pg21 complete                       | HDC-HB-16-SVL1/21P    | 1209800000 | 2    |
| 1 x Pg21 sleeve                         | HDC-HB-16-SVL1/21     | 1658110000 | 2    |
| 2 x Pg21 complete                       | HDC-HB-16-SVL2/21P    | 1209900000 | 2    |
| 2 x Pg21 sleeve                         | HDC-HB-16-SVL2/21     | 1658120000 | 2    |
| 1 x Pg21 complete                       | HDC-HB-16-SDVL1/21P   | 1210200000 | 2    |
| 1 x Pg21 sleeve                         | HDC-HB-16-SDVL1/21    | 1658320000 | 2    |
| 2 x Pg21 complete                       | HDC-HB-16-SDVL2/21P   | 1210300000 | 2    |
| 2 x Pg21 sleeve                         | HDC-HB-16-SDVL2/21    | 1658330000 | 2    |
| 1 x Pg21 complete                       | HDC-HBD-40-SDVL1/21P  | 1658370000 | 2    |
| 1 x Pg29 complete                       | HDC-HBD-40-SDVL1/29P  | 1658410000 | 2    |
| 2 x Pg29 complete                       | HDC-HBD-40-SDVL2/29P  | 1658430000 | 2    |

**SVL** = Base housing, end locking  
**SDVL** = Base housing with cover, end locking

Housings Group Size 6

Coupling hood HB-16 / HBD-40

End locking



KVL

Bulkhead housing HB-16

End locking



AVL



ADVL

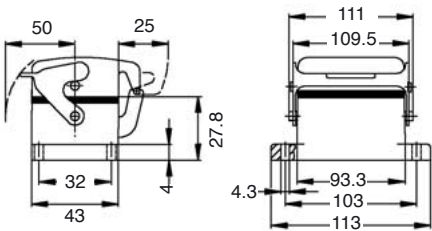
Dimensions



| Version                                 | Type                 | Cat. No.   | Qty. |
|-----------------------------------------|----------------------|------------|------|
| <b>Standard housings, metric thread</b> |                      |            |      |
| 1 x M 25 thread                         | HDC HB16 KVL 1xM25G  | 1788290000 | 2    |
| 1 x M 25 thread                         | HDC HBD40 KVL 1xM25G | 1787220000 | 2    |
| 1 x M 32 thread                         | HDC HBD40 KVL 1xM32G | 1787210000 | 2    |
| <b>Standard housings, PG thread</b>     |                      |            |      |
| 1 x Pg21 complete                       | HDC-HB-16-KVL1/21P   | 1210000000 | 2    |
| 1 x Pg29 complete                       | HDC-HBD-40-KVL1/29P  | 1658580000 | 2    |

KVL = Coupling hood, end locking

Dimensions



| Version                             | Type           | Cat. No.   | Qty. |
|-------------------------------------|----------------|------------|------|
| <b>Standard housings</b>            |                |            |      |
|                                     | HDC-HB-16-AVL  | 1209700000 | 5    |
| <b>Standard housings with cover</b> |                |            |      |
|                                     | HDC-HB-16-ADVL | 1210100000 | 2    |

AVL = Bulkhead housing, end locking

ADVL = Bulkhead housing with cover, end locking

For accessories see section "Accessories"



Frames Group Size 8

Frames CR 24 / 7 modules



Male frame



Female frame

Dimensions



| Colour               |               | Black      |            | Grey     |          | Qty. | a (mm) | b (mm) | c (mm) | L (mm) | Remarks       | Group size |
|----------------------|---------------|------------|------------|----------|----------|------|--------|--------|--------|--------|---------------|------------|
| Version              | Type          | Cat. No.   | Cat. No.   | Cat. No. | Cat. No. |      |        |        |        |        |               |            |
| Male                 | HDC-CR24-7S   | 1682240000 | 1758500000 |          |          | 5    | 104    | 111    | 80.5   | 104    | for 7 modules | 8 (12)     |
| Female               | HDC-CR24-7B   | 1682250000 | 1758510000 |          |          | 5    | 104    | 111    | 80.5   | 104    | for 7 modules | 8 (12)     |
| Male <sup>2)</sup>   | HDC-CR24-7S-2 |            | 1758540000 |          |          | 5    | 104    | 111    | 80.5   | 104    | for 7 modules | 12         |
| Female <sup>2)</sup> | HDC-CR24-7B-2 |            | 1758550000 |          |          | 5    | 104    | 111    | 80.5   | 104    | for 7 modules | 12         |

<sup>2)</sup> addition markings for the use of two frames in one housing.  
2 frames = group size 12.

For accessories see section "Accessories"

## Housings Group Size 8

### Plug hood HB-24

Side locking lower side



TOVU



TSVU

Dimensions



### Plug hood HBD-64

Side locking lower side / high version



TOVU



TSVU

Dimensions



### Base housing HB-24 / HBD-64

Side locking



SVU

Dimensions



\*HB/HBD

| Version                                 | Type                 | Cat. No.          | Qty. |
|-----------------------------------------|----------------------|-------------------|------|
| <b>Standard housings, metric thread</b> |                      |                   |      |
| 1 x M 25 thread                         | HDC HB24 TOVU 1xM25G | <b>1787820000</b> | 2    |
| 1 x M 32 sleeve                         | HDC HB24 TSVU 1xM32  | <b>1787750000</b> | 2    |
| 1 x M 25 sleeve                         | HDC HB24 TSVU 1xM25  | <b>1787760000</b> | 2    |
| 1 x M 32 thread                         | HDC HB24 TOVU 1xM32G | <b>1787810000</b> | 2    |
| <b>Standard housings, PG thread</b>     |                      |                   |      |
| 1 x Pg21 complete                       | HDC-HB-24-TSVU1/21P  | <b>1212100000</b> | 2    |
| 1 x Pg21 sleeve                         | HDC-HB-24-TSVU1/21   | <b>1661230000</b> | 2    |
| 1 x Pg29 complete                       | HDC-HB-24-TSVU1/29P  | <b>1212200000</b> | 2    |
| 1 x Pg29 sleeve                         | HDC-HB-24-TSVU1/29   | <b>1661240000</b> | 2    |
| 1 x Pg21 complete                       | HDC-HB-24-TOVU1/21P  | <b>1211900000</b> | 2    |
| 1 x Pg21 sleeve                         | HDC-HB-24-TOVU1/21   | <b>1661370000</b> | 2    |
| 1 x Pg29 complete                       | HDC-HB-24-TOVU1/29P  | <b>1212000000</b> | 2    |
| 1 x Pg29 sleeve                         | HDC-HB-24-TOVU1/29   | <b>1661380000</b> | 2    |

**TOVU** = Plug hood; Top cable entry, side locking lower side

**TSVU** = Plug hood; Side cable entry, side locking lower side

| Version                                 | Type                  | Cat. No.          | Qty. |
|-----------------------------------------|-----------------------|-------------------|------|
| <b>Standard housings, metric thread</b> |                       |                   |      |
| 1 x M 25 thread                         | HDC HBD64 TSVU 1xM25G | <b>1786780000</b> | 2    |
| 1 x M 32 thread                         | HDC HBD64 TSVU 1xM32G | <b>1786770000</b> | 2    |
| 1 x M 25 thread                         | HDC HBD64 TOVU 1xM25G | <b>1786840000</b> | 2    |
| 1 x M 32 thread                         | HDC HBD64 TOVU 1xM32G | <b>1786830000</b> | 2    |
| <b>Standard housings, PG thread</b>     |                       |                   |      |
| 1 x Pg21 complete                       | HDC-HBD-64-TSVU1/21P  | <b>1661290000</b> | 2    |
| 1 x Pg21 sleeve                         | HDC-HBD-64-TSVU1/21   | <b>1661300000</b> | 2    |
| 1 x Pg29 complete                       | HDC-HBD-64-TSVU1/29P  | <b>1661310000</b> | 2    |
| 1 x Pg29 sleeve                         | HDC-HBD-64-TSVU1/29   | <b>1661320000</b> | 2    |
| 1 x Pg21 complete                       | HDC-HBD-64-TOVU1/21P  | <b>1661430000</b> | 2    |
| 1 x Pg21 sleeve                         | HDC-HBD-64-TOVU1/21   | <b>1661440000</b> | 2    |
| 1 x Pg29 complete                       | HDC-HBD-64-TOVU1/29P  | <b>1661450000</b> | 2    |
| 1 x Pg29 sleeve                         | HDC-HBD-64-TOVU1/29   | <b>1661460000</b> | 2    |

**TOVU** = Plug hood; Top cable entry, side locking lower side

**TSVU** = Plug hood; Side cable entry, side locking lower side

| Version                                 | Type                 | Cat. No.          | Qty. |
|-----------------------------------------|----------------------|-------------------|------|
| <b>Standard housings, metric thread</b> |                      |                   |      |
| 2 x M 25 thread                         | HDC HB24 SVU 2xM25G  | <b>1787870000</b> | 2    |
| 2 x M 25 thread                         | HDC HBD64 SVU 2xM25G | <b>1786890000</b> | 2    |
| 2 x M 32 thread                         | HDC HBD64 SVU 2xM32G | <b>1786880000</b> | 2    |
| <b>Standard housings, PG thread</b>     |                      |                   |      |
| 1 x Pg21 complete                       | HDC-HB-24-SVU1/21P   | <b>1212500000</b> | 2    |
| 1 x Pg21 sleeve                         | HDC-HB-24-SVU1/21    | <b>1661510000</b> | 2    |
| 2 x Pg21 complete                       | HDC-HB-24-SVU2/21P   | <b>1212600000</b> | 2    |
| 2 x Pg21 sleeve                         | HDC-HB-24-SVU2/21    | <b>1661520000</b> | 2    |
| 1 x Pg21 complete                       | HDC-HBD-64-SVU1/21P  | <b>1661560000</b> | 2    |
| 1 x Pg21 sleeve                         | HDC-HBD-64-SVU1/21   | <b>1661570000</b> | 2    |
| 1 x Pg29 complete                       | HDC-HBD-64-SVU1/29P  | <b>1661600000</b> | 2    |
| 1 x Pg29 sleeve                         | HDC-HBD-64-SVU1/29   | <b>1661610000</b> | 2    |
| 2 x Pg21 complete                       | HDC-HBD-64-SVU2/21P  | <b>1661580000</b> | 2    |
| 2 x Pg21 sleeve                         | HDC-HBD-64-SVU2/21   | <b>1661590000</b> | 2    |
| 2 x Pg29 complete                       | HDC-HBD-64-SVU2/29P  | <b>1661620000</b> | 2    |
| 2 x Pg29 sleeve                         | HDC-HBD-64-SVU2/29   | <b>1661630000</b> | 2    |

**SVU** = Base housing, side locking

For accessories see section "Accessories"

# Housings Group Size 8

## Coupling hood HB-24 / HBD-64

Side locking



KVV



KVV

Dimensions



\*HB = 63.8  
HBD= 78.8

| Version                                 | Type                 | Cat. No.   | Qty. |
|-----------------------------------------|----------------------|------------|------|
| <b>Standard housings, metric thread</b> |                      |            |      |
| 1 x M 25 thread                         | HDC HB24 KVV 1xM25G  | 1787920000 | 2    |
| 1 x M 32 thread                         | HDC HB24 KVV 1xM32G  | 1787910000 | 2    |
| 1 x M 25 thread                         | HDC HBD64 KVV 1xM25G | 1786970000 | 2    |
| 1 x M 32 thread                         | HDC HBD64 KVV 1xM32G | 1786960000 | 2    |
| <b>Standard housings, PG thread</b>     |                      |            |      |
| 1 x Pg21 complete                       | HDC-HB-24-KVV1/21P   | 1212700000 | 2    |
| 1 x Pg21 sleeve                         | HDC-HB-24-KVV1/21    | 1661720000 | 2    |
| 1 x Pg29 complete                       | HDC-HB-24-KVV1/29P   | 1212800000 | 2    |
| 1 x Pg29 sleeve                         | HDC-HB-24-KVV1/29    | 1661730000 | 2    |
| 1 x Pg21 complete                       | HDC-HBD-64-KVV1/21P  | 1661780000 | 2    |
| 1 x Pg29 complete                       | HDC-HBD-64-KVV1/29P  | 1661800000 | 2    |

KVV = Coupling hood, side locking

## Cover for plug hood

Cover with cord



| Type                 | Cat. No.   | Qty. |
|----------------------|------------|------|
| <b>Plastic cover</b> |            |      |
| HDC-HB-24-DT         | 1665640000 | 2    |

For accessories see section "Accessories"

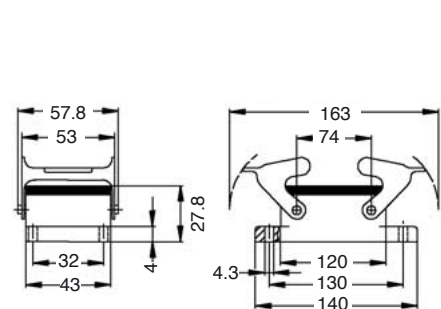
## Bulkhead housing HB-24

Side locking



AVU

Dimensions

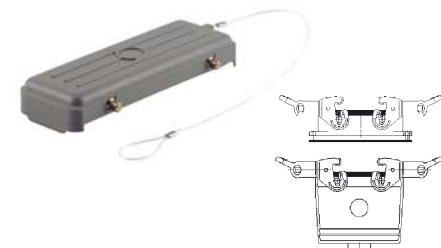


| Version                  | Type          | Cat. No.   | Qty. |
|--------------------------|---------------|------------|------|
| <b>Standard housings</b> |               |            |      |
|                          | HDC-HB-24-AVU | 1212400000 | 2    |
|                          |               |            |      |
|                          |               |            |      |
|                          |               |            |      |
|                          |               |            |      |
|                          |               |            |      |
|                          |               |            |      |
|                          |               |            |      |
|                          |               |            |      |
|                          |               |            |      |

AVU = Bulkhead housing, side locking

## Cover for lower side with side locking

Cover with cord



| Type                 | Cat. No.   | Qty. |
|----------------------|------------|------|
| <b>Plastic cover</b> |            |      |
| HDC-HB-24-DB         | 1665630000 | 2    |

## Concept

## Housings Group Size 8

### Plug hood HB-24

End locking lower side



TOVL



TSVL

Dimensions



| Version                                 | Type                 | Cat. No.          | Qty. |
|-----------------------------------------|----------------------|-------------------|------|
| <b>Standard housings, metric thread</b> |                      |                   |      |
| 1 x M 25 sleeve                         | HDC HB24 TSVL 1xM25  | <b>1787800000</b> | 2    |
| 1 x M 32 sleeve                         | HDC HB24 TSVL 1xM32  | <b>1787790000</b> | 2    |
| 1 x M 25 thread                         | HDC HB24 TOVL 1xM25G | <b>1787860000</b> | 2    |
| 1 x M 32 thread                         | HDC HB24 TOVL 1xM32G | <b>1787850000</b> | 2    |
| <b>Standard housings, PG thread</b>     |                      |                   |      |
| 1 x Pg21 complete                       | HDC-HB-24-TSVL1/21P  | <b>1213800000</b> | 2    |
| 1 x Pg21 sleeve                         | HDC-HB-24-TSVL1/21   | <b>1662390000</b> | 2    |
| 1 x Pg29 complete                       | HDC-HB-24-TSVL1/29P  | <b>1662400000</b> | 2    |
| 1 x Pg29 sleeve                         | HDC-HB-24-TSVL1/29   | <b>1662410000</b> | 2    |
| 1 x Pg21 complete                       | HDC-HB-24-TOVL1/21P  | <b>1213600000</b> | 2    |
| 1 x Pg21 sleeve                         | HDC-HB-24-TOVL1/21   | <b>1662540000</b> | 2    |
| 1 x Pg29 complete                       | HDC-HB-24-TOVL1/29P  | <b>1213700000</b> | 2    |
| 1 x Pg29 sleeve                         | HDC-HB-24-TOVL1/29   | <b>1662550000</b> | 2    |

**TOVL** Plug hood; Top cable entry, end locking lower side

**TSVL** = Plug hood; Side cable entry, end locking lower side

### Plug hood HBD-64

End locking lower side / high version



TOVL



TSVL

Dimensions



| Version                                 | Type                  | Cat. No.          | Qty. |
|-----------------------------------------|-----------------------|-------------------|------|
| <b>Standard housings, metric thread</b> |                       |                   |      |
| 1 x M 25 thread                         | HDC HBD64 TSVL 1xM25G | <b>1786820000</b> | 2    |
| 1 x M 32 thread                         | HDC HBD64 TSVL 1xM32G | <b>1786810000</b> | 2    |
| 1 x M 25 thread                         | HDC HBD64 TOVL 1xM25G | <b>1786870000</b> | 2    |
| 1 x M 32 thread                         | HDC HBD64 TOVL 1xM32G | <b>1786860000</b> | 2    |
| <b>Standard housings, PG thread</b>     |                       |                   |      |
| 1 x Pg21 complete                       | HDC-HBD-64-TSVL1/21P  | <b>1662460000</b> | 2    |
| 1 x Pg21 sleeve                         | HDC-HBD-64-TSVL1/21   | <b>1662470000</b> | 2    |
| 1 x Pg29 complete                       | HDC-HBD-64-TSVL1/29P  | <b>1662480000</b> | 2    |
| 1 x Pg29 sleeve                         | HDC-HBD-64-TSVL1/29   | <b>1662490000</b> | 2    |
| 1 x Pg29 complete                       | HDC-HBD-64-TOVL1/29P  | <b>1662620000</b> | 2    |
| 1 x Pg29 sleeve                         | HDC-HBD-64-TOVL1/29   | <b>1662630000</b> | 2    |

**TOVL** Plug hood; Top cable entry, end locking lower side

**TSVL** = Plug hood; Side cable entry, end locking lower side

### Base housing HB-24 / HBD-64

End locking / with/without cover



SVL



SDVL

Dimensions



\*HB/HBD

| Version                                            | Type                  | Cat. No.          | Qty. |
|----------------------------------------------------|-----------------------|-------------------|------|
| <b>Standard housings, metric thread</b>            |                       |                   |      |
| 2 x M 25 thread                                    | HDC HB24 SVL 2xM25G   | <b>1787880000</b> | 2    |
| 2 x M 25 thread                                    | HDC HBD64 SVL 2xM25G  | <b>1786910000</b> | 2    |
| 2 x M 32 thread                                    | HDC HBD64 SVL 2xM32G  | <b>1786900000</b> | 2    |
| 2 x M 25 thread                                    | HDC HBD64 SDVL 2xM25G | <b>1786950000</b> | 2    |
| 2 x M 32 thread                                    | HDC HBD64 SDVL 2xM32G | <b>1786940000</b> | 2    |
| <b>Standard housings with cover, metric thread</b> |                       |                   |      |
| 2 x M 25 thread                                    | HDC HB24 SDVL 2xM25G  | <b>1787900000</b> | 2    |
| <b>Standard housings, PG thread</b>                |                       |                   |      |
| 1 x Pg21 complete                                  | HDC-HB-24-SVL1/21P    | <b>1214000000</b> | 2    |
| 1 x Pg21 sleeve                                    | HDC-HB-24-SVL1/21     | <b>1662710000</b> | 2    |
| 2 x Pg21 complete                                  | HDC-HB-24-SVL2/21P    | <b>1214100000</b> | 2    |
| 2 x Pg21 sleeve                                    | HDC-HB-24-SVL2/21     | <b>1662720000</b> | 2    |
| 2 x Pg21 complete                                  | HDC-HBD-64-SVL2/21P   | <b>1662780000</b> | 2    |
| <b>Standard housings with cover, PG thread</b>     |                       |                   |      |
| 1 x Pg21 complete                                  | HDC-HB-24-SDVL1/21P   | <b>1214400000</b> | 2    |
| 1 x Pg21 sleeve                                    | HDC-HB-24-SDVL1/21    | <b>1662920000</b> | 2    |
| 2 x Pg21 complete                                  | HDC-HB-24-SDVL2/21P   | <b>1214500000</b> | 2    |
| 2 x Pg29 sleeve                                    | HDC-HBD-64-SDVL2/29   | <b>1663040000</b> | 2    |
| 1 x Pg21 complete                                  | HDC-HBD-64-SDVL1/21P  | <b>1662970000</b> | 2    |
| 1 x Pg29 complete                                  | HDC-HBD-64-SDVL1/29P  | <b>1663010000</b> | 2    |

**SVL** = Base housing, end locking

**SDVL** = Base housing with cover, end locking

For accessories see section "Accessories"

# Housings Group Size 8

## Coupling hood HB-24 / HBD-64

End locking



KVL

## Bulkhead housing HB-24

End locking, with/without cover



AVL



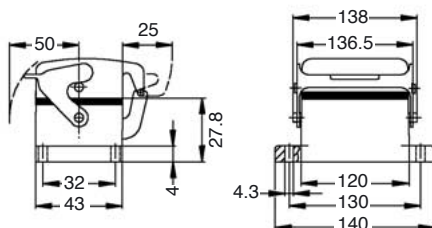
ADV

### Dimensions



\*HB = 63.8  
HBD = 78.8

### Dimensions



| Version                                 | Type                 | Cat. No.   | Qty. |
|-----------------------------------------|----------------------|------------|------|
| <b>Standard housings, metric thread</b> |                      |            |      |
| 1 x M 25 thread                         | HDC HB24 KVL 1xM25G  | 1787940000 | 2    |
| 1 x M 32 thread                         | HDC HB24 KVL 1xM32G  | 1787930000 | 2    |
| 1 x M 25 thread                         | HDC HBD64 KVL 1xM25G | 1786990000 | 2    |
| 1 x M 32 thread                         | HDC HBD64 KVL 1xM32G | 1786980000 | 2    |
| <b>Standard housings, PG thread</b>     |                      |            |      |
| 1 x Pg21 complete                       | HDC-HB-24-KVL1/21P   | 1663130000 | 2    |
| 1 x Pg29 complete                       | HDC-HB-24-KVL1/29P   | 1214200000 | 2    |
| 1 x Pg29 complete                       | HDC-HBD-64-KVL1/29P  | 1663220000 | 2    |

KVL = Coupling hood, end locking

| Version                             | Type          | Cat. No.   | Qty. |
|-------------------------------------|---------------|------------|------|
| <b>Standard housings</b>            |               |            |      |
|                                     | HDC-HB-24-AVL | 1213900000 | 2    |
| <b>Standard housings with cover</b> |               |            |      |
|                                     | HDC-HB-24-ADV | 1214300000 | 2    |

AVL = Bulkhead housing, end locking

ADV = Bulkhead housing with cover, end locking

For accessories see section "Accessories"

Housings Group Size 8

Plug hood HBD-64

Centre locking



TSVZ

Base housing HB-24

Centre locking upper side



SVZ

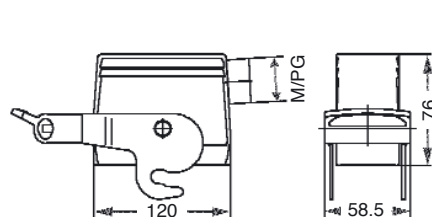
Bulkhead housing HB-24

Centre locking

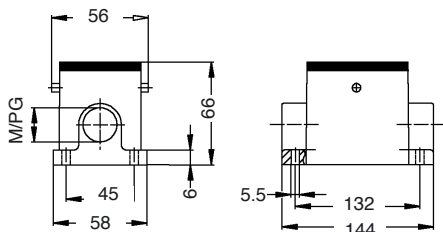


AVZ

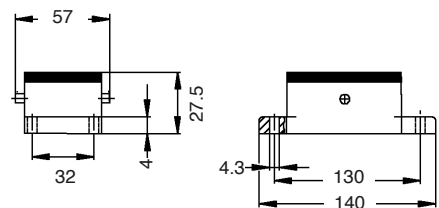
Dimensions



Dimensions



Dimensions



| Version                          | Type                          | Cat. No.   | Qty. |
|----------------------------------|-------------------------------|------------|------|
| Standard housings, metric thread |                               |            |      |
| 1 x Pg21                         | complete HDC-HBD-64-TSVZ1/21P | 1663360000 | 2    |
| 1 x Pg29                         | complete HDC-HBD-64-TSVZ1/29P | 1603510000 | 2    |
| 1 x Pg29                         | sleeve HDC-HBD-64-TSVZ1/29    | 1663390000 | 2    |

TSVZ = Plug hood; Side cable entry, centre locking

| Version                      | Type                        | Cat. No.   | Qty. |
|------------------------------|-----------------------------|------------|------|
| Standard housings, PG thread |                             |            |      |
| 1 x Pg21                     | complete HDC-HB-24-SVZ1/21P | 1600620000 | 2    |

SVZ = Base housing, centre locking

| Version           | Type          | Cat. No.   | Qty. |
|-------------------|---------------|------------|------|
| Standard housings |               |            |      |
|                   | HDC-HB-24-AVZ | 1611350000 | 2    |

AVZ = Bulkhead housing, centre locking

For accessories see section "Accessories"

