

M12 connectors are established as one of the most reliable and efficient connection standards for Industrial Machinery and Factory Automation applications. With a small footprint, extremely low failure rate and high performance capabilities, this range is ideal not only for sensor connections but also for a variety of fieldbus systems.

These M12 Series circular connectors are rugged, easy to use and extremely reliable solutions for sensor/actuator connectivity in industrial automation and control applications. With an IP67 rating, they are also extremely effective in harsh environments outside of industrial automation applications where compact and dependable connections with environmental protection are required.

Bulgin's field attachable M12 connectors feature a robust aluminium coupling nut, making them a lightweight and durable alternative to the more common nickel-plated M12 nut variants and an ideal plug and play solution for upgrading sensor systems with M12 connectivity.



Bulgin's M12 Series connectors are available in a variety of industry standard keying/coding options to further minimize wiring errors and serve a large variety of customer needs.

**M12 Series coding options:**  
(Full Contact Diagrams Page 31)



A-Coding



B-Coding



D-Coding



L-Coding



S-Coding



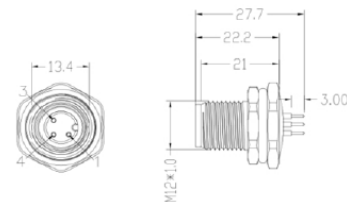
T-Coding

#### M12 Rear Panel Mounting Male



PXMBNI12RPM

- 3, 4, 5, 8 & 12 Contacts
- PCB termination
- Mates with Flex Body connectors



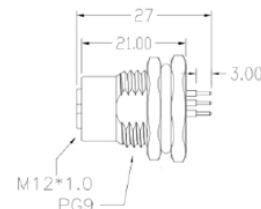
| Part Number         | Contacts | Code | Termination  | Mounting Nut                    |
|---------------------|----------|------|--------------|---------------------------------|
| PXMBNI12RPM03APCPG9 | 03       | A    | PCB Terminal | PG9 Mounting / Gland Nut Thread |
| PXMBNI12RPM04APCPG9 | 04       | A    | PCB Terminal | PG9 Mounting / Gland Nut Thread |
| PXMBNI12RPM05APCPG9 | 05       | A    | PCB Terminal | PG9 Mounting / Gland Nut Thread |
| PXMBNI12RPM08APCPG9 | 08       | A    | PCB Terminal | PG9 Mounting / Gland Nut Thread |
| PXMBNI12RPM12APCPG9 | 12       | A    | PCB Terminal | PG9 Mounting / Gland Nut Thread |
| PXMBNI12RPM05BPCPG9 | 05       | B    | PCB Terminal | PG9 Mounting / Gland Nut Thread |
| PXMBNI12RPM04DPCPG9 | 04       | D    | PCB Terminal | PG9 Mounting / Gland Nut Thread |
| PXMBNI12RPM03APCM16 | 03       | A    | PCB Terminal | M16 Mounting / Gland Nut Thread |
| PXMBNI12RPM04APCM16 | 04       | A    | PCB Terminal | M16 Mounting / Gland Nut Thread |
| PXMBNI12RPM05APCM16 | 05       | A    | PCB Terminal | M16 Mounting / Gland Nut Thread |
| PXMBNI12RPM08APCM16 | 08       | A    | PCB Terminal | M16 Mounting / Gland Nut Thread |
| PXMBNI12RPM12APCM16 | 12       | A    | PCB Terminal | M16 Mounting / Gland Nut Thread |
| PXMBNI12RPM05BPCM16 | 05       | B    | PCB Terminal | M16 Mounting / Gland Nut Thread |
| PXMBNI12RPM04DPCM16 | 04       | D    | PCB Terminal | M16 Mounting / Gland Nut Thread |
| PXMBNI12RPM03APCM12 | 03       | A    | PCB Terminal | M12 Mounting / Gland Nut Thread |
| PXMBNI12RPM04APCM12 | 04       | A    | PCB Terminal | M12 Mounting / Gland Nut Thread |
| PXMBNI12RPM05APCM12 | 05       | A    | PCB Terminal | M12 Mounting / Gland Nut Thread |
| PXMBNI12RPM08APCM12 | 08       | A    | PCB Terminal | M12 Mounting / Gland Nut Thread |
| PXMBNI12RPM12APCM12 | 12       | A    | PCB Terminal | M12 Mounting / Gland Nut Thread |
| PXMBNI12RPM05BPCM12 | 05       | B    | PCB Terminal | M12 Mounting / Gland Nut Thread |
| PXMBNI12RPM04DPCM12 | 04       | D    | PCB Terminal | M12 Mounting / Gland Nut Thread |

#### M12 Rear Panel Mounting Female



PXMBNI12RPF

- 3, 4, 5, 8 & 12 Contacts
- PCB termination
- Mates with Inline Body connectors



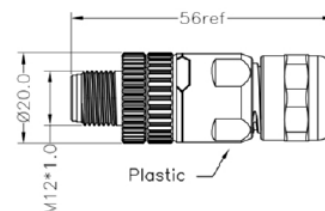
| Part Number         | Contacts | Code | Termination  | Mounting Nut                    |
|---------------------|----------|------|--------------|---------------------------------|
| PXMBNI12RPF03APCPG9 | 03       | A    | PCB Terminal | PG9 Mounting / Gland Nut Thread |
| PXMBNI12RPF04APCPG9 | 04       | A    | PCB Terminal | PG9 Mounting / Gland Nut Thread |
| PXMBNI12RPF05APCPG9 | 05       | A    | PCB Terminal | PG9 Mounting / Gland Nut Thread |
| PXMBNI12RPF08APCPG9 | 08       | A    | PCB Terminal | PG9 Mounting / Gland Nut Thread |
| PXMBNI12RPF12APCPG9 | 12       | A    | PCB Terminal | PG9 Mounting / Gland Nut Thread |
| PXMBNI12RPF05BPCPG9 | 05       | B    | PCB Terminal | PG9 Mounting / Gland Nut Thread |
| PXMBNI12RPF04DPCPG9 | 04       | D    | PCB Terminal | PG9 Mounting / Gland Nut Thread |
| PXMBNI12RPF03APCM16 | 03       | A    | PCB Terminal | M16 Mounting / Gland Nut Thread |
| PXMBNI12RPF04APCM16 | 04       | A    | PCB Terminal | M16 Mounting / Gland Nut Thread |
| PXMBNI12RPF05APCM16 | 05       | A    | PCB Terminal | M16 Mounting / Gland Nut Thread |
| PXMBNI12RPF08APCM16 | 08       | A    | PCB Terminal | M16 Mounting / Gland Nut Thread |
| PXMBNI12RPF12APCM16 | 12       | A    | PCB Terminal | M16 Mounting / Gland Nut Thread |
| PXMBNI12RPF05BPCM16 | 05       | B    | PCB Terminal | M16 Mounting / Gland Nut Thread |
| PXMBNI12RPF04DPCM16 | 04       | D    | PCB Terminal | M16 Mounting / Gland Nut Thread |

#### M12 Inline Body Male



PXPPAM12FIM

- 3, 4, 5 & 8 Contacts
- Screw termination
- Plastic Inline Body
- Mates with Flex body and panel mount connectors



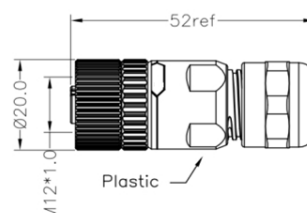
| Part Number         | Contacts | Code | Termination    |
|---------------------|----------|------|----------------|
| PXPPAM12FIM03ASTPG9 | 03       | A    | Screw Terminal |
| PXPPAM12FIM04ASTPG9 | 04       | A    | Screw Terminal |
| PXPPAM12FIM05ASTPG9 | 05       | A    | Screw Terminal |
| PXPPAM12FIM08ASTPG9 | 08       | A    | Screw Terminal |

#### M12 Flex Body Female



PXPPAM12FBF

- 3, 4, 5 & 8 Contacts
- Screw termination
- Plastic Flex Body
- Mates with Inline Body and panel mount connectors



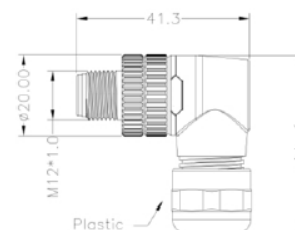
| Part Number         | Contacts | Code | Termination    |
|---------------------|----------|------|----------------|
| PXPPAM12FBF03ASTPG9 | 03       | A    | Screw Terminal |
| PXPPAM12FBF04ASTPG9 | 04       | A    | Screw Terminal |
| PXPPAM12FBF05ASTPG9 | 05       | A    | Screw Terminal |
| PXPPAM12FBF08ASTPG9 | 08       | A    | Screw Terminal |

#### M12 Right Angled Male



PXPPAM12RAM

- 3, 4, 5 & 8 Contacts
- Screw termination
- Plastic Inline Body
- Mates with Flex Body and panel mount connectors



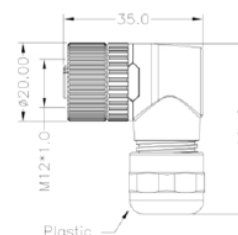
| Part Number         | Contacts | Code | Termination    |
|---------------------|----------|------|----------------|
| PXPPAM12RAM03ASTPG9 | 03       | A    | Screw Terminal |
| PXPPAM12RAM04ASTPG9 | 04       | A    | Screw Terminal |
| PXPPAM12RAM05ASTPG9 | 05       | A    | Screw Terminal |
| PXPPAM12RAM08ASTPG9 | 08       | A    | Screw Terminal |

#### M12 Right Angled Female



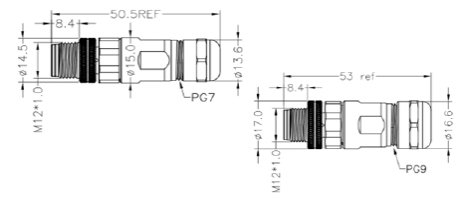
PXPPAM12RAF

- 3, 4, 5 & 8 Contacts
- Screw termination
- Plastic Flex Body
- Mates with Inline Body and panel mount connectors

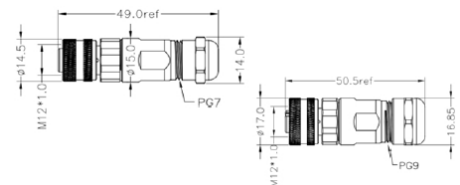


| Part Number         | Contacts | Code | Termination    |
|---------------------|----------|------|----------------|
| PXPPAM12RAF03ASTPG9 | 03       | A    | Screw Terminal |
| PXPPAM12RAF04ASTPG9 | 04       | A    | Screw Terminal |
| PXPPAM12RAF05ASTPG9 | 05       | A    | Screw Terminal |
| PXPPAM12RAF08ASTPG9 | 08       | A    | Screw Terminal |

- 3, 4, 5, 8 & 12 Contacts
- Solder termination
- Metal Inline Body
- Mates with Flex body and panel mount connectors

Nickel Plating M12 Flex Body Female

- 3, 4, 5, 8 & 12 Contacts
- Solder termination
- Metal Flex Body
- Mates with Inline Body and panel mount connectors



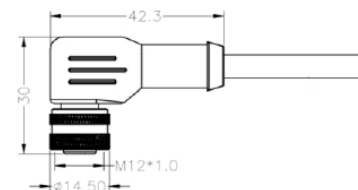
## 20 Circular Automation Connectors

M12 Right Angled Female



PXPTPU12RAF  
PXPPVC12RAF

- 3, 4, 5, 8 & 12 Contacts
- 1, 2, 3, 5, 10 & 15m cable options
- Overmold Flex Body
- Mates with Inline Body & panel mount connectors



| Part Number            | Contacts | Code | Termination    | Lead Length | Cable Material |
|------------------------|----------|------|----------------|-------------|----------------|
| PXPPVC12RAF03ACL010PVC | 03       | A    | Overmold Cable | 1m          | PVC            |
| PXPTPU12RAF03ACL010PUR | 03       | A    | Overmold Cable | 1m          | PUR            |
| PXPPVC12RAF03ACL020PVC | 03       | A    | Overmold Cable | 2m          | PVC            |
| PXPTPU12RAF03ACL020PUR | 03       | A    | Overmold Cable | 2m          | PUR            |
| PXPPVC12RAF03ACL030PVC | 03       | A    | Overmold Cable | 3m          | PVC            |
| PXPTPU12RAF03ACL030PUR | 03       | A    | Overmold Cable | 3m          | PUR            |
| PXPPVC12RAF03ACL050PVC | 03       | A    | Overmold Cable | 5m          | PVC            |
| PXPTPU12RAF03ACL050PUR | 03       | A    | Overmold Cable | 5m          | PUR            |
| PXPPVC12RAF03ACL100PVC | 03       | A    | Overmold Cable | 10m         | PVC            |
| PXPTPU12RAF03ACL100PUR | 03       | A    | Overmold Cable | 10m         | PUR            |
| PXPPVC12RAF03ACL150PVC | 03       | A    | Overmold Cable | 15m         | PVC            |
| PXPTPU12RAF03ACL150PUR | 03       | A    | Overmold Cable | 15m         | PUR            |
| PXPPVC12RAF04ACL010PVC | 04       | A    | Overmold Cable | 1m          | PVC            |
| PXPTPU12RAF04ACL010PUR | 04       | A    | Overmold Cable | 1m          | PUR            |
| PXPPVC12RAF04ACL020PVC | 04       | A    | Overmold Cable | 2m          | PVC            |
| PXPTPU12RAF04ACL020PUR | 04       | A    | Overmold Cable | 2m          | PUR            |
| PXPPVC12RAF04ACL030PVC | 04       | A    | Overmold Cable | 3m          | PVC            |
| PXPTPU12RAF04ACL030PUR | 04       | A    | Overmold Cable | 3m          | PUR            |
| PXPPVC12RAF04ACL050PVC | 04       | A    | Overmold Cable | 5m          | PVC            |
| PXPTPU12RAF04ACL050PUR | 04       | A    | Overmold Cable | 5m          | PUR            |
| PXPPVC12RAF04ACL100PVC | 04       | A    | Overmold Cable | 10m         | PVC            |
| PXPTPU12RAF04ACL100PUR | 04       | A    | Overmold Cable | 10m         | PUR            |
| PXPPVC12RAF04ACL150PVC | 04       | A    | Overmold Cable | 15m         | PVC            |
| PXPTPU12RAF04ACL150PUR | 04       | A    | Overmold Cable | 15m         | PUR            |
| PXPPVC12RAF05ACL010PVC | 05       | A    | Overmold Cable | 1m          | PVC            |
| PXPTPU12RAF05ACL010PUR | 05       | A    | Overmold Cable | 1m          | PUR            |
| PXPPVC12RAF05ACL020PVC | 05       | A    | Overmold Cable | 2m          | PVC            |
| PXPTPU12RAF05ACL020PUR | 05       | A    | Overmold Cable | 2m          | PUR            |
| PXPPVC12RAF05ACL030PVC | 05       | A    | Overmold Cable | 3m          | PVC            |
| PXPTPU12RAF05ACL030PUR | 05       | A    | Overmold Cable | 3m          | PUR            |
| PXPPVC12RAF05ACL050PVC | 05       | A    | Overmold Cable | 5m          | PVC            |
| PXPTPU12RAF05ACL050PUR | 05       | A    | Overmold Cable | 5m          | PUR            |
| PXPPVC12RAF05ACL100PVC | 05       | A    | Overmold Cable | 10m         | PVC            |
| PXPTPU12RAF05ACL100PUR | 05       | A    | Overmold Cable | 10m         | PUR            |
| PXPPVC12RAF05ACL150PVC | 05       | A    | Overmold Cable | 15m         | PVC            |
| PXPTPU12RAF05ACL150PUR | 05       | A    | Overmold Cable | 15m         | PUR            |
| PXPPVC12RAF08ACL010PVC | 08       | A    | Overmold Cable | 1m          | PVC            |
| PXPTPU12RAF08ACL010PUR | 08       | A    | Overmold Cable | 1m          | PUR            |
| PXPPVC12RAF08ACL020PVC | 08       | A    | Overmold Cable | 2m          | PVC            |
| PXPTPU12RAF08ACL020PUR | 08       | A    | Overmold Cable | 2m          | PUR            |
| PXPPVC12RAF08ACL030PVC | 08       | A    | Overmold Cable | 3m          | PVC            |
| PXPTPU12RAF08ACL030PUR | 08       | A    | Overmold Cable | 3m          | PUR            |
| PXPPVC12RAF08ACL050PVC | 08       | A    | Overmold Cable | 5m          | PVC            |
| PXPTPU12RAF08ACL050PUR | 08       | A    | Overmold Cable | 5m          | PUR            |
| PXPPVC12RAF08ACL100PVC | 08       | A    | Overmold Cable | 10m         | PVC            |
| PXPTPU12RAF08ACL100PUR | 08       | A    | Overmold Cable | 10m         | PUR            |
| PXPPVC12RAF08ACL150PVC | 08       | A    | Overmold Cable | 15m         | PVC            |
| PXPTPU12RAF08ACL150PUR | 08       | A    | Overmold Cable | 15m         | PUR            |
| PXPPVC12RAF12ACL010PVC | 12       | A    | Overmold Cable | 1m          | PVC            |
| PXPTPU12RAF12ACL010PUR | 12       | A    | Overmold Cable | 1m          | PUR            |
| PXPPVC12RAF12ACL020PVC | 12       | A    | Overmold Cable | 2m          | PVC            |
| PXPTPU12RAF12ACL020PUR | 12       | A    | Overmold Cable | 2m          | PUR            |
| PXPPVC12RAF12ACL030PVC | 12       | A    | Overmold Cable | 3m          | PVC            |
| PXPTPU12RAF12ACL030PUR | 12       | A    | Overmold Cable | 3m          | PUR            |
| PXPPVC12RAF12ACL050PVC | 12       | A    | Overmold Cable | 5m          | PVC            |
| PXPTPU12RAF12ACL050PUR | 12       | A    | Overmold Cable | 5m          | PUR            |
| PXPPVC12RAF12ACL100PVC | 12       | A    | Overmold Cable | 10m         | PVC            |
| PXPTPU12RAF12ACL100PUR | 12       | A    | Overmold Cable | 10m         | PUR            |
| PXPPVC12RAF12ACL150PVC | 12       | A    | Overmold Cable | 15m         | PVC            |
| PXPTPU12RAF12ACL150PUR | 12       | A    | Overmold Cable | 15m         | PUR            |

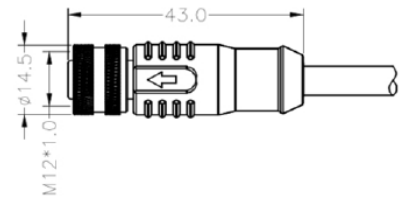
|                        |    |   |                |     |     |
|------------------------|----|---|----------------|-----|-----|
| PXPPVC12RAF05BCL010PVC | 05 | B | Overmold Cable | 1m  | PVC |
| PXPTPU12RAF05BCL010PUR | 05 | B | Overmold Cable | 1m  | PUR |
| PXPPVC12RAF05BCL020PVC | 05 | B | Overmold Cable | 2m  | PVC |
| PXPTPU12RAF05BCL020PUR | 05 | B | Overmold Cable | 2m  | PUR |
| PXPPVC12RAF05BCL030PVC | 05 | B | Overmold Cable | 3m  | PVC |
| PXPTPU12RAF05BCL030PUR | 05 | B | Overmold Cable | 3m  | PUR |
| PXPPVC12RAF05BCL050PVC | 05 | B | Overmold Cable | 5m  | PVC |
| PXPTPU12RAF05BCL050PUR | 05 | B | Overmold Cable | 5m  | PUR |
| PXPPVC12RAF05BCL100PVC | 05 | B | Overmold Cable | 10m | PVC |
| PXPTPU12RAF05BCL100PUR | 05 | B | Overmold Cable | 10m | PUR |
| PXPPVC12RAF05BCL150PVC | 05 | B | Overmold Cable | 15m | PVC |
| PXPTPU12RAF05BCL150PUR | 05 | B | Overmold Cable | 15m | PUR |
| PXPPVC12RAF04DCL010PVC | 04 | D | Overmold Cable | 1m  | PVC |
| PXPTPU12RAF04DCL010PUR | 04 | D | Overmold Cable | 1m  | PUR |
| PXPPVC12RAF04DCL020PVC | 04 | D | Overmold Cable | 2m  | PVC |
| PXPTPU12RAF04DCL020PUR | 04 | D | Overmold Cable | 2m  | PUR |
| PXPPVC12RAF04DCL030PVC | 04 | D | Overmold Cable | 3m  | PVC |
| PXPTPU12RAF04DCL030PUR | 04 | D | Overmold Cable | 3m  | PUR |
| PXPPVC12RAF04DCL050PVC | 04 | D | Overmold Cable | 5m  | PVC |
| PXPTPU12RAF04DCL050PUR | 04 | D | Overmold Cable | 5m  | PUR |
| PXPPVC12RAF04DCL100PVC | 04 | D | Overmold Cable | 10m | PVC |
| PXPTPU12RAF04DCL100PUR | 04 | D | Overmold Cable | 10m | PUR |
| PXPPVC12RAF04DCL150PVC | 04 | D | Overmold Cable | 15m | PVC |
| PXPTPU12RAF04DCL150PUR | 04 | D | Overmold Cable | 15m | PUR |
| PXPPNP12RAF04ACL010PVC | 04 | A | Overmold Cable | 1m  | PVC |
| PXPPNP12RAF04ACL030PVC | 04 | A | Overmold Cable | 3m  | PVC |
| PXPPNP12RAF04ACL050PVC | 04 | A | Overmold Cable | 5m  | PVC |
| PXPPNP12RAF04ACL100PVC | 04 | A | Overmold Cable | 10m | PVC |

M12 Flex Body Female



PXPTPU12FBF  
PXPPVC12FBF

- 3, 4, 5, 8 & 12 Contacts
- 1, 2, 3, 5, 10 & 15m cable options
- Overmold Flex Body
- Mates with Inline Body & panel mount connectors



| Part Number            | Contacts | Code | Termination    | Lead Length | Cable Material |
|------------------------|----------|------|----------------|-------------|----------------|
| PXPPVC12FBF03ACL010PVC | 03       | A    | Overmold Cable | 1m          | PVC            |
| PXPTPU12FBF03ACL010PUR | 03       | A    | Overmold Cable | 1m          | PUR            |
| PXPPVC12FBF03ACL020PVC | 03       | A    | Overmold Cable | 2m          | PVC            |
| PXPTPU12FBF03ACL020PUR | 03       | A    | Overmold Cable | 2m          | PUR            |
| PXPPVC12FBF03ACL030PVC | 03       | A    | Overmold Cable | 3m          | PVC            |
| PXPTPU12FBF03ACL030PUR | 03       | A    | Overmold Cable | 3m          | PUR            |
| PXPPVC12FBF03ACL050PVC | 03       | A    | Overmold Cable | 5m          | PVC            |
| PXPTPU12FBF03ACL050PUR | 03       | A    | Overmold Cable | 5m          | PUR            |
| PXPPVC12FBF03ACL100PVC | 03       | A    | Overmold Cable | 10m         | PVC            |
| PXPTPU12FBF03ACL100PUR | 03       | A    | Overmold Cable | 10m         | PUR            |
| PXPPVC12FBF03ACL150PVC | 03       | A    | Overmold Cable | 15m         | PVC            |
| PXPTPU12FBF03ACL150PUR | 03       | A    | Overmold Cable | 15m         | PUR            |
| PXPPVC12FBF04ACL010PVC | 04       | A    | Overmold Cable | 1m          | PVC            |
| PXPTPU12FBF04ACL010PUR | 04       | A    | Overmold Cable | 1m          | PUR            |
| PXPPVC12FBF04ACL020PVC | 04       | A    | Overmold Cable | 2m          | PVC            |
| PXPTPU12FBF04ACL020PUR | 04       | A    | Overmold Cable | 2m          | PUR            |
| PXPPVC12FBF04ACL030PVC | 04       | A    | Overmold Cable | 3m          | PVC            |
| PXPTPU12FBF04ACL030PUR | 04       | A    | Overmold Cable | 3m          | PUR            |
| PXPPVC12FBF04ACL050PVC | 04       | A    | Overmold Cable | 5m          | PVC            |
| PXPTPU12FBF04ACL050PUR | 04       | A    | Overmold Cable | 5m          | PUR            |
| PXPPVC12FBF04ACL100PVC | 04       | A    | Overmold Cable | 10m         | PVC            |
| PXPTPU12FBF04ACL100PUR | 04       | A    | Overmold Cable | 10m         | PUR            |
| PXPPVC12FBF04ACL150PVC | 04       | A    | Overmold Cable | 15m         | PVC            |
| PXPTPU12FBF04ACL150PUR | 04       | A    | Overmold Cable | 15m         | PUR            |
| PXPPVC12FBF05ACL010PVC | 05       | A    | Overmold Cable | 1m          | PVC            |
| PXPTPU12FBF05ACL010PUR | 05       | A    | Overmold Cable | 1m          | PUR            |
| PXPPVC12FBF05ACL020PVC | 05       | A    | Overmold Cable | 2m          | PVC            |
| PXPTPU12FBF05ACL020PUR | 05       | A    | Overmold Cable | 2m          | PUR            |
| PXPPVC12FBF05ACL030PVC | 05       | A    | Overmold Cable | 3m          | PVC            |
| PXPTPU12FBF05ACL030PUR | 05       | A    | Overmold Cable | 3m          | PUR            |
| PXPPVC12FBF05ACL050PVC | 05       | A    | Overmold Cable | 5m          | PVC            |
| PXPTPU12FBF05ACL050PUR | 05       | A    | Overmold Cable | 5m          | PUR            |
| PXPPVC12FBF05ACL100PVC | 05       | A    | Overmold Cable | 10m         | PVC            |

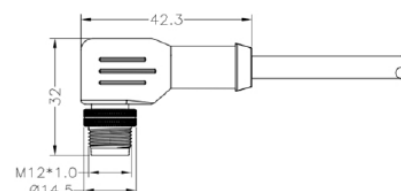
|                        |    |   |                |     |     |
|------------------------|----|---|----------------|-----|-----|
| PXPTPU12FBF05ACL100PUR | 05 | A | Overmold Cable | 10m | PUR |
| PXPPVC12FBF05ACL150PVC | 05 | A | Overmold Cable | 15m | PVC |
| PXPTPU12FBF05ACL150PUR | 05 | A | Overmold Cable | 15m | PUR |
| PXPPVC12FBF08ACL010PVC | 08 | A | Overmold Cable | 1m  | PVC |
| PXPTPU12FBF08ACL010PUR | 08 | A | Overmold Cable | 1m  | PUR |
| PXPPVC12FBF08ACL020PVC | 08 | A | Overmold Cable | 2m  | PVC |
| PXPTPU12FBF08ACL020PUR | 08 | A | Overmold Cable | 2m  | PUR |
| PXPPVC12FBF08ACL030PVC | 08 | A | Overmold Cable | 3m  | PVC |
| PXPTPU12FBF08ACL030PUR | 08 | A | Overmold Cable | 3m  | PUR |
| PXPPVC12FBF08ACL050PVC | 08 | A | Overmold Cable | 5m  | PVC |
| PXPTPU12FBF08ACL050PUR | 08 | A | Overmold Cable | 5m  | PUR |
| PXPPVC12FBF08ACL100PVC | 08 | A | Overmold Cable | 10m | PVC |
| PXPTPU12FBF08ACL100PUR | 08 | A | Overmold Cable | 10m | PUR |
| PXPPVC12FBF08ACL150PVC | 08 | A | Overmold Cable | 15m | PVC |
| PXPTPU12FBF08ACL150PUR | 08 | A | Overmold Cable | 15m | PUR |
| PXPPVC12FBF12ACL010PVC | 12 | A | Overmold Cable | 1m  | PVC |
| PXPTPU12FBF12ACL010PUR | 12 | A | Overmold Cable | 1m  | PUR |
| PXPPVC12FBF12ACL020PVC | 12 | A | Overmold Cable | 2m  | PVC |
| PXPTPU12FBF12ACL020PUR | 12 | A | Overmold Cable | 2m  | PUR |
| PXPPVC12FBF12ACL030PVC | 12 | A | Overmold Cable | 3m  | PVC |
| PXPTPU12FBF12ACL030PUR | 12 | A | Overmold Cable | 3m  | PUR |
| PXPPVC12FBF12ACL050PVC | 12 | A | Overmold Cable | 5m  | PVC |
| PXPTPU12FBF12ACL050PUR | 12 | A | Overmold Cable | 5m  | PUR |
| PXPPVC12FBF12ACL100PVC | 12 | A | Overmold Cable | 10m | PVC |
| PXPTPU12FBF12ACL100PUR | 12 | A | Overmold Cable | 10m | PUR |
| PXPPVC12FBF12ACL150PVC | 12 | A | Overmold Cable | 15m | PVC |
| PXPTPU12FBF12ACL150PUR | 12 | A | Overmold Cable | 15m | PUR |
| PXPPVC12FBF05BCL010PVC | 05 | B | Overmold Cable | 1m  | PVC |
| PXPTPU12FBF05BCL010PUR | 05 | B | Overmold Cable | 1m  | PUR |
| PXPPVC12FBF05BCL020PVC | 05 | B | Overmold Cable | 2m  | PVC |
| PXPTPU12FBF05BCL020PUR | 05 | B | Overmold Cable | 2m  | PUR |
| PXPPVC12FBF05BCL030PVC | 05 | B | Overmold Cable | 3m  | PVC |
| PXPTPU12FBF05BCL030PUR | 05 | B | Overmold Cable | 3m  | PUR |
| PXPPVC12FBF05BCL050PVC | 05 | B | Overmold Cable | 5m  | PVC |
| PXPTPU12FBF05BCL050PUR | 05 | B | Overmold Cable | 5m  | PUR |
| PXPPVC12FBF05BCL100PVC | 05 | B | Overmold Cable | 10m | PVC |
| PXPTPU12FBF05BCL100PUR | 05 | B | Overmold Cable | 10m | PUR |
| PXPPVC12FBF05BCL150PVC | 05 | B | Overmold Cable | 15m | PVC |
| PXPTPU12FBF05BCL150PUR | 05 | B | Overmold Cable | 15m | PUR |
| PXPPVC12FBF04DCL010PVC | 04 | D | Overmold Cable | 1m  | PVC |
| PXPTPU12FBF04DCL010PUR | 04 | D | Overmold Cable | 1m  | PUR |
| PXPPVC12FBF04DCL020PVC | 04 | D | Overmold Cable | 2m  | PVC |
| PXPTPU12FBF04DCL020PUR | 04 | D | Overmold Cable | 2m  | PUR |
| PXPPVC12FBF04DCL030PVC | 04 | D | Overmold Cable | 3m  | PVC |
| PXPTPU12FBF04DCL030PUR | 04 | D | Overmold Cable | 3m  | PUR |
| PXPPVC12FBF04DCL050PVC | 04 | D | Overmold Cable | 5m  | PVC |
| PXPTPU12FBF04DCL050PUR | 04 | D | Overmold Cable | 5m  | PUR |
| PXPPVC12FBF04DCL100PVC | 04 | D | Overmold Cable | 10m | PVC |
| PXPTPU12FBF04DCL100PUR | 04 | D | Overmold Cable | 10m | PUR |
| PXPPVC12FBF04DCL150PVC | 04 | D | Overmold Cable | 15m | PVC |
| PXPTPU12FBF04DCL150PUR | 04 | D | Overmold Cable | 15m | PUR |
| PXPTPU12FBF04TCL010PUR | 05 | L | Overmold Cable | 1m  | PUR |
| PXPTPU12FBF04SCL010PUR | 04 | S | Overmold Cable | 1m  | PUR |
| PXPTPU12FBF05LCL010PUR | 04 | T | Overmold Cable | 1m  | PUR |
| PXPPNP12FBF04ACL010PVC | 04 | A | Overmold Cable | 1m  | PVC |
| PXPPNP12FBF04ACL030PVC | 04 | A | Overmold Cable | 3m  | PVC |
| PXPPNP12FBF04ACL050PVC | 04 | A | Overmold Cable | 5m  | PVC |
| PXPPNP12FBF04ACL100PVC | 04 | A | Overmold Cable | 10m | PVC |

M12 Right Angled Male



PXPTPU12RAM  
PXPPVC12RAM

- 3, 4, 5, 8 & 12 Contacts
- 1, 2, 3, 5, 10 & 15m cable options
- Overmold Inline Body
- Mates with Flex Body & panel mount connectors



| Part Number            | Contacts | Code | Termination    | Lead Length | Cable Material |
|------------------------|----------|------|----------------|-------------|----------------|
| PXPPVC12RAM03ACL010PVC | 03       | A    | Overmold Cable | 1m          | PVC            |
| PXPTPU12RAM03ACL010PUR | 03       | A    | Overmold Cable | 1m          | PUR            |
| PXPPVC12RAM03ACL020PVC | 03       | A    | Overmold Cable | 2m          | PVC            |
| PXPTPU12RAM03ACL020PUR | 03       | A    | Overmold Cable | 2m          | PUR            |
| PXPPVC12RAM03ACL030PVC | 03       | A    | Overmold Cable | 3m          | PVC            |
| PXPTPU12RAM03ACL030PUR | 03       | A    | Overmold Cable | 3m          | PUR            |
| PXPPVC12RAM03ACL050PVC | 03       | A    | Overmold Cable | 5m          | PVC            |

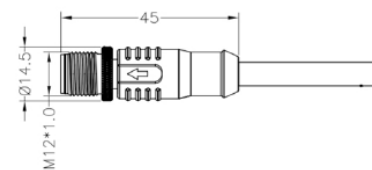
|                        |    |   |                |     |     |
|------------------------|----|---|----------------|-----|-----|
| PXPTPU12RAM03ACL050PUR | 03 | A | Overmold Cable | 5m  | PUR |
| PXPPVC12RAM03ACL100PVC | 03 | A | Overmold Cable | 10m | PVC |
| PXPTPU12RAM03ACL100PUR | 03 | A | Overmold Cable | 10m | PUR |
| PXPPVC12RAM03ACL150PVC | 03 | A | Overmold Cable | 15m | PVC |
| PXPTPU12RAM03ACL150PUR | 03 | A | Overmold Cable | 15m | PUR |
| PXPPVC12RAM04ACL010PVC | 04 | A | Overmold Cable | 1m  | PVC |
| PXPTPU12RAM04ACL010PUR | 04 | A | Overmold Cable | 1m  | PUR |
| PXPPVC12RAM04ACL020PVC | 04 | A | Overmold Cable | 2m  | PVC |
| PXPTPU12RAM04ACL020PUR | 04 | A | Overmold Cable | 2m  | PUR |
| PXPPVC12RAM04ACL030PVC | 04 | A | Overmold Cable | 3m  | PVC |
| PXPTPU12RAM04ACL030PUR | 04 | A | Overmold Cable | 3m  | PUR |
| PXPPVC12RAM04ACL050PVC | 04 | A | Overmold Cable | 5m  | PVC |
| PXPTPU12RAM04ACL050PUR | 04 | A | Overmold Cable | 5m  | PUR |
| PXPPVC12RAM04ACL100PVC | 04 | A | Overmold Cable | 10m | PVC |
| PXPTPU12RAM04ACL100PUR | 04 | A | Overmold Cable | 10m | PUR |
| PXPPVC12RAM04ACL150PVC | 04 | A | Overmold Cable | 15m | PVC |
| PXPTPU12RAM04ACL150PUR | 04 | A | Overmold Cable | 15m | PUR |
| PXPPVC12RAM05ACL010PVC | 05 | A | Overmold Cable | 1m  | PVC |
| PXPTPU12RAM05ACL010PUR | 05 | A | Overmold Cable | 1m  | PUR |
| PXPPVC12RAM05ACL020PVC | 05 | A | Overmold Cable | 2m  | PVC |
| PXPTPU12RAM05ACL020PUR | 05 | A | Overmold Cable | 2m  | PUR |
| PXPPVC12RAM05ACL030PVC | 05 | A | Overmold Cable | 3m  | PVC |
| PXPTPU12RAM05ACL030PUR | 05 | A | Overmold Cable | 3m  | PUR |
| PXPPVC12RAM05ACL050PVC | 05 | A | Overmold Cable | 5m  | PVC |
| PXPTPU12RAM05ACL050PUR | 05 | A | Overmold Cable | 5m  | PUR |
| PXPPVC12RAM05ACL100PVC | 05 | A | Overmold Cable | 10m | PVC |
| PXPTPU12RAM05ACL100PUR | 05 | A | Overmold Cable | 10m | PUR |
| PXPPVC12RAM05ACL150PVC | 05 | A | Overmold Cable | 15m | PVC |
| PXPTPU12RAM05ACL150PUR | 05 | A | Overmold Cable | 15m | PUR |
| PXPPVC12RAM08ACL010PVC | 08 | A | Overmold Cable | 1m  | PVC |
| PXPTPU12RAM08ACL010PUR | 08 | A | Overmold Cable | 1m  | PUR |
| PXPPVC12RAM08ACL020PVC | 08 | A | Overmold Cable | 2m  | PVC |
| PXPTPU12RAM08ACL020PUR | 08 | A | Overmold Cable | 2m  | PUR |
| PXPPVC12RAM08ACL030PVC | 08 | A | Overmold Cable | 3m  | PVC |
| PXPTPU12RAM08ACL030PUR | 08 | A | Overmold Cable | 3m  | PUR |
| PXPPVC12RAM08ACL050PVC | 08 | A | Overmold Cable | 5m  | PVC |
| PXPTPU12RAM08ACL050PUR | 08 | A | Overmold Cable | 5m  | PUR |
| PXPPVC12RAM08ACL100PVC | 08 | A | Overmold Cable | 10m | PVC |
| PXPTPU12RAM08ACL100PUR | 08 | A | Overmold Cable | 10m | PUR |
| PXPPVC12RAM08ACL150PVC | 08 | A | Overmold Cable | 15m | PVC |
| PXPTPU12RAM08ACL150PUR | 08 | A | Overmold Cable | 15m | PUR |
| PXPPVC12RAM12ACL010PVC | 12 | A | Overmold Cable | 1m  | PVC |
| PXPTPU12RAM12ACL010PUR | 12 | A | Overmold Cable | 1m  | PUR |
| PXPPVC12RAM12ACL020PVC | 12 | A | Overmold Cable | 2m  | PVC |
| PXPTPU12RAM12ACL020PUR | 12 | A | Overmold Cable | 2m  | PUR |
| PXPPVC12RAM12ACL030PVC | 12 | A | Overmold Cable | 3m  | PVC |
| PXPTPU12RAM12ACL030PUR | 12 | A | Overmold Cable | 3m  | PUR |
| PXPPVC12RAM12ACL050PVC | 12 | A | Overmold Cable | 5m  | PVC |
| PXPTPU12RAM12ACL050PUR | 12 | A | Overmold Cable | 5m  | PUR |
| PXPPVC12RAM12ACL100PVC | 12 | A | Overmold Cable | 10m | PVC |
| PXPTPU12RAM12ACL100PUR | 12 | A | Overmold Cable | 10m | PUR |
| PXPPVC12RAM12ACL150PVC | 12 | A | Overmold Cable | 15m | PVC |
| PXPTPU12RAM12ACL150PUR | 12 | A | Overmold Cable | 15m | PUR |
| PXPPVC12RAM05BCL010PVC | 05 | B | Overmold Cable | 1m  | PVC |
| PXPTPU12RAM05BCL010PUR | 05 | B | Overmold Cable | 1m  | PUR |
| PXPPVC12RAM05BCL020PVC | 05 | B | Overmold Cable | 2m  | PVC |
| PXPTPU12RAM05BCL020PUR | 05 | B | Overmold Cable | 2m  | PUR |
| PXPPVC12RAM05BCL030PVC | 05 | B | Overmold Cable | 3m  | PVC |
| PXPTPU12RAM05BCL030PUR | 05 | B | Overmold Cable | 3m  | PUR |
| PXPPVC12RAM05BCL050PVC | 05 | B | Overmold Cable | 5m  | PVC |
| PXPTPU12RAM05BCL050PUR | 05 | B | Overmold Cable | 5m  | PUR |
| PXPPVC12RAM05BCL100PVC | 05 | B | Overmold Cable | 10m | PVC |
| PXPTPU12RAM05BCL100PUR | 05 | B | Overmold Cable | 10m | PUR |
| PXPPVC12RAM05BCL150PVC | 05 | B | Overmold Cable | 15m | PVC |
| PXPTPU12RAM05BCL150PUR | 05 | B | Overmold Cable | 15m | PUR |
| PXPPVC12RAM04DCL010PVC | 04 | D | Overmold Cable | 1m  | PVC |
| PXPTPU12RAM04DCL010PUR | 04 | D | Overmold Cable | 1m  | PUR |
| PXPPVC12RAM04DCL020PVC | 04 | D | Overmold Cable | 2m  | PVC |
| PXPTPU12RAM04DCL020PUR | 04 | D | Overmold Cable | 2m  | PUR |
| PXPPVC12RAM04DCL030PVC | 04 | D | Overmold Cable | 3m  | PVC |
| PXPTPU12RAM04DCL030PUR | 04 | D | Overmold Cable | 3m  | PUR |
| PXPPVC12RAM04DCL050PVC | 04 | D | Overmold Cable | 5m  | PVC |
| PXPTPU12RAM04DCL050PUR | 04 | D | Overmold Cable | 5m  | PUR |
| PXPPVC12RAM04DCL100PVC | 04 | D | Overmold Cable | 10m | PVC |
| PXPTPU12RAM04DCL100PUR | 04 | D | Overmold Cable | 10m | PUR |
| PXPPVC12RAM04DCL150PVC | 04 | D | Overmold Cable | 15m | PVC |
| PXPTPU12RAM04DCL150PUR | 04 | D | Overmold Cable | 15m | PUR |

M12 Inline Body Male



PXPTPU12FIM  
PXPPVC12FIM

- 3, 4, 5, 8 & 12 Contacts
- 1, 2, 3, 5, 10 & 15m cable options
- Overmold Inline Body
- Mates with Flex Body & panel mount connectors



| Part Number            | Contacts | Code | Termination    | Lead Length | Cable Material |
|------------------------|----------|------|----------------|-------------|----------------|
| PXPPVC12FIM03ACL010PVC | 03       | A    | Overmold Cable | 1m          | PVC            |
| PXPTPU12FIM03ACL010PUR | 03       | A    | Overmold Cable | 1m          | PUR            |
| PXPPVC12FIM03ACL020PVC | 03       | A    | Overmold Cable | 2m          | PVC            |
| PXPTPU12FIM03ACL020PUR | 03       | A    | Overmold Cable | 2m          | PUR            |
| PXPPVC12FIM03ACL030PVC | 03       | A    | Overmold Cable | 3m          | PVC            |
| PXPTPU12FIM03ACL030PUR | 03       | A    | Overmold Cable | 3m          | PUR            |
| PXPPVC12FIM03ACL050PVC | 03       | A    | Overmold Cable | 5m          | PVC            |
| PXPTPU12FIM03ACL050PUR | 03       | A    | Overmold Cable | 5m          | PUR            |
| PXPPVC12FIM03ACL100PVC | 03       | A    | Overmold Cable | 10m         | PVC            |
| PXPTPU12FIM03ACL100PUR | 03       | A    | Overmold Cable | 10m         | PUR            |
| PXPPVC12FIM03ACL150PVC | 03       | A    | Overmold Cable | 15m         | PVC            |
| PXPTPU12FIM03ACL150PUR | 03       | A    | Overmold Cable | 15m         | PUR            |
| PXPPVC12FIM04ACL010PVC | 04       | A    | Overmold Cable | 1m          | PVC            |
| PXPTPU12FIM04ACL010PUR | 04       | A    | Overmold Cable | 1m          | PUR            |
| PXPPVC12FIM04ACL020PVC | 04       | A    | Overmold Cable | 2m          | PVC            |
| PXPTPU12FIM04ACL020PUR | 04       | A    | Overmold Cable | 2m          | PUR            |
| PXPPVC12FIM04ACL030PVC | 04       | A    | Overmold Cable | 3m          | PVC            |
| PXPTPU12FIM04ACL030PUR | 04       | A    | Overmold Cable | 3m          | PUR            |
| PXPPVC12FIM04ACL050PVC | 04       | A    | Overmold Cable | 5m          | PVC            |
| PXPTPU12FIM04ACL050PUR | 04       | A    | Overmold Cable | 5m          | PUR            |
| PXPPVC12FIM04ACL100PVC | 04       | A    | Overmold Cable | 10m         | PVC            |
| PXPTPU12FIM04ACL100PUR | 04       | A    | Overmold Cable | 10m         | PUR            |
| PXPPVC12FIM04ACL150PVC | 04       | A    | Overmold Cable | 15m         | PVC            |
| PXPTPU12FIM04ACL150PUR | 04       | A    | Overmold Cable | 15m         | PUR            |
| PXPPVC12FIM05ACL010PVC | 05       | A    | Overmold Cable | 1m          | PVC            |
| PXPTPU12FIM05ACL010PUR | 05       | A    | Overmold Cable | 1m          | PUR            |
| PXPPVC12FIM05ACL020PVC | 05       | A    | Overmold Cable | 2m          | PVC            |
| PXPTPU12FIM05ACL020PUR | 05       | A    | Overmold Cable | 2m          | PUR            |
| PXPPVC12FIM05ACL030PVC | 05       | A    | Overmold Cable | 3m          | PVC            |
| PXPTPU12FIM05ACL030PUR | 05       | A    | Overmold Cable | 3m          | PUR            |
| PXPPVC12FIM05ACL050PVC | 05       | A    | Overmold Cable | 5m          | PVC            |
| PXPTPU12FIM05ACL050PUR | 05       | A    | Overmold Cable | 5m          | PUR            |
| PXPPVC12FIM05ACL100PVC | 05       | A    | Overmold Cable | 10m         | PVC            |
| PXPTPU12FIM05ACL100PUR | 05       | A    | Overmold Cable | 10m         | PUR            |
| PXPPVC12FIM05ACL150PVC | 05       | A    | Overmold Cable | 15m         | PVC            |
| PXPTPU12FIM05ACL150PUR | 05       | A    | Overmold Cable | 15m         | PUR            |
| PXPPVC12FIM08ACL010PVC | 08       | A    | Overmold Cable | 1m          | PVC            |
| PXPTPU12FIM08ACL010PUR | 08       | A    | Overmold Cable | 1m          | PUR            |
| PXPPVC12FIM08ACL020PVC | 08       | A    | Overmold Cable | 2m          | PVC            |
| PXPTPU12FIM08ACL020PUR | 08       | A    | Overmold Cable | 2m          | PUR            |
| PXPPVC12FIM08ACL030PVC | 08       | A    | Overmold Cable | 3m          | PVC            |
| PXPTPU12FIM08ACL030PUR | 08       | A    | Overmold Cable | 3m          | PUR            |
| PXPPVC12FIM08ACL050PVC | 08       | A    | Overmold Cable | 5m          | PVC            |
| PXPTPU12FIM08ACL050PUR | 08       | A    | Overmold Cable | 5m          | PUR            |
| PXPPVC12FIM08ACL100PVC | 08       | A    | Overmold Cable | 10m         | PVC            |
| PXPTPU12FIM08ACL100PUR | 08       | A    | Overmold Cable | 10m         | PUR            |
| PXPPVC12FIM08ACL150PVC | 08       | A    | Overmold Cable | 15m         | PVC            |
| PXPTPU12FIM08ACL150PUR | 08       | A    | Overmold Cable | 15m         | PUR            |
| PXPPVC12FIM12ACL010PVC | 12       | A    | Overmold Cable | 1m          | PVC            |
| PXPTPU12FIM12ACL010PUR | 12       | A    | Overmold Cable | 1m          | PUR            |
| PXPPVC12FIM12ACL020PVC | 12       | A    | Overmold Cable | 2m          | PVC            |
| PXPTPU12FIM12ACL020PUR | 12       | A    | Overmold Cable | 2m          | PUR            |
| PXPPVC12FIM12ACL030PVC | 12       | A    | Overmold Cable | 3m          | PVC            |
| PXPTPU12FIM12ACL030PUR | 12       | A    | Overmold Cable | 3m          | PUR            |
| PXPPVC12FIM12ACL050PVC | 12       | A    | Overmold Cable | 5m          | PVC            |
| PXPTPU12FIM12ACL050PUR | 12       | A    | Overmold Cable | 5m          | PUR            |
| PXPPVC12FIM12ACL100PVC | 12       | A    | Overmold Cable | 10m         | PVC            |
| PXPTPU12FIM12ACL100PUR | 12       | A    | Overmold Cable | 10m         | PUR            |
| PXPPVC12FIM12ACL150PVC | 12       | A    | Overmold Cable | 15m         | PVC            |
| PXPTPU12FIM12ACL150PUR | 12       | A    | Overmold Cable | 15m         | PUR            |

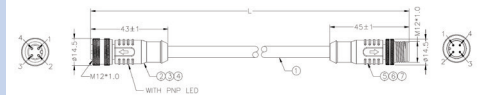
|                        |    |   |                |     |     |
|------------------------|----|---|----------------|-----|-----|
| PXPPVC12FIM05BCL010PVC | 05 | B | Overmold Cable | 1m  | PVC |
| PXPTPU12FIM05BCL010PUR | 05 | B | Overmold Cable | 1m  | PUR |
| PXPPVC12FIM05BCL020PVC | 05 | B | Overmold Cable | 2m  | PVC |
| PXPTPU12FIM05BCL020PUR | 05 | B | Overmold Cable | 2m  | PUR |
| PXPPVC12FIM05BCL030PVC | 05 | B | Overmold Cable | 3m  | PVC |
| PXPTPU12FIM05BCL030PUR | 05 | B | Overmold Cable | 3m  | PUR |
| PXPPVC12FIM05BCL050PVC | 05 | B | Overmold Cable | 5m  | PVC |
| PXPTPU12FIM05BCL050PUR | 05 | B | Overmold Cable | 5m  | PUR |
| PXPPVC12FIM05BCL100PVC | 05 | B | Overmold Cable | 10m | PVC |
| PXPTPU12FIM05BCL100PUR | 05 | B | Overmold Cable | 10m | PUR |
| PXPPVC12FIM05BCL150PVC | 05 | B | Overmold Cable | 15m | PVC |
| PXPTPU12FIM05BCL150PUR | 05 | B | Overmold Cable | 15m | PUR |
| PXPPVC12FIM04DCL010PVC | 04 | D | Overmold Cable | 1m  | PVC |
| PXPTPU12FIM04DCL010PUR | 04 | D | Overmold Cable | 1m  | PUR |
| PXPPVC12FIM04DCL020PVC | 04 | D | Overmold Cable | 2m  | PVC |
| PXPTPU12FIM04DCL020PUR | 04 | D | Overmold Cable | 2m  | PUR |
| PXPPVC12FIM04DCL030PVC | 04 | D | Overmold Cable | 3m  | PVC |
| PXPTPU12FIM04DCL030PUR | 04 | D | Overmold Cable | 3m  | PUR |
| PXPPVC12FIM04DCL050PVC | 04 | D | Overmold Cable | 5m  | PVC |
| PXPTPU12FIM04DCL050PUR | 04 | D | Overmold Cable | 5m  | PUR |
| PXPPVC12FIM04DCL100PVC | 04 | D | Overmold Cable | 10m | PVC |
| PXPTPU12FIM04DCL100PUR | 04 | D | Overmold Cable | 10m | PUR |
| PXPPVC12FIM04DCL150PVC | 04 | D | Overmold Cable | 15m | PVC |
| PXPTPU12FIM04DCL150PUR | 04 | D | Overmold Cable | 15m | PUR |
| PXPTPU12FIM05LCL010PUR | 05 | L | Overmold Cable | 1m  | PUR |
| PXPTPU12FIM04SCL010PUR | 04 | S | Overmold Cable | 1m  | PUR |
| PXPTPU12FIM04TCL010PUR | 04 | T | Overmold Cable | 1m  | PUR |

#### M12 Flex Body To Inline



PXPPNP12FBF

- 4 Contacts
- 0.3, 0.6, 1 & 2m cable options
- Overmold Inline Body to Inline
- Mates with Flex Body & panel mount connectors



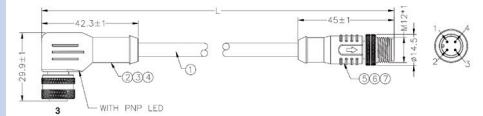
| Part Number            | Contacts | Code | Termination | Lead Length | Cable Material |
|------------------------|----------|------|-------------|-------------|----------------|
| PXPPNP12FBF04AFI003PUR | 04       | A    | Inline      | 0.3m        | PUR            |
| PXPPNP12FBF04AFI006PUR | 04       | A    | Inline      | 0.6m        | PUR            |
| PXPPNP12FBF04AFI010PUR | 04       | A    | Inline      | 1m          | PUR            |
| PXPPNP12FBF04AFI020PUR | 04       | A    | Inline      | 2m          | PUR            |

#### M12 Right Angle To Inline



PXPPNP12RAF

- 4 Contacts
- 0.3, 0.6, 1 & 2m cable options
- Overmold Inline Body to Inline
- Mates with Flex Body & panel mount connectors



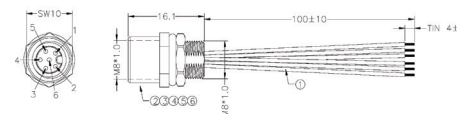
| Part Number            | Contacts | Code | Termination | Lead Length | Cable Material |
|------------------------|----------|------|-------------|-------------|----------------|
| PXPPNP12RAF04AFI003PUR | 04       | A    | Inline      | 0.3m        | PUR            |
| PXPPNP12RAF04AFI006PUR | 04       | A    | Inline      | 0.6m        | PUR            |
| PXPPNP12RAF04AFI010PUR | 04       | A    | Inline      | 1m          | PUR            |
| PXPPNP12RAF04AFI020PUR | 04       | A    | Inline      | 2m          | PUR            |

## M12 Front & Rear Panel Mount Flying Leads



PXMBNI12RPM  
PXMBNI12RPF  
PXMBNI12FPF  
PXMBNI12FPM

- 4, 5 & 17 Contacts
- 0.1 & 0.2m cable options
- Overmold Inline Body
- Mates with Flex Body



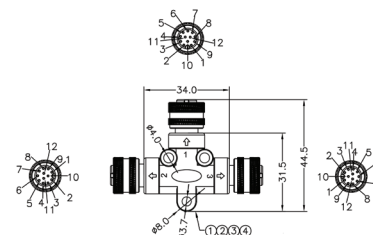
| Part Number            | Front or Rear | Contacts | Code | Termination | Lead Length | Mounting Nut |
|------------------------|---------------|----------|------|-------------|-------------|--------------|
| PXMBNI12FPM17AFLM12001 | Front         | 17       | A    | Flying Lead | 0.1m        | M12          |
| PXMBNI12FPF17AFLPG9001 | Front         | 17       | A    | Flying Lead | 0.1m        | PG9          |
| PXMBNI12FPM17AFLPG9001 | Front         | 17       | A    | Flying Lead | 0.1m        | PG9          |
| PXMBNI12FPF17AFLM16001 | Front         | 17       | A    | Flying Lead | 0.1m        | M16          |
| PXMBNI12FPM17AFLM16001 | Front         | 17       | A    | Flying Lead | 0.1m        | M16          |
| PXMBNI12RPM17AFLM12001 | Rear          | 17       | A    | Flying Lead | 0.1m        | M12          |
| PXMBNI12RPF17AFLPG9001 | Rear          | 17       | A    | Flying Lead | 0.1m        | PG9          |
| PXMBNI12RPM17AFLPG9001 | Rear          | 17       | A    | Flying Lead | 0.1m        | PG9          |
| PXMBNI12RPF17AFLM16001 | Rear          | 17       | A    | Flying Lead | 0.1m        | M16          |
| PXMBNI12RPM17AFLM16001 | Rear          | 17       | A    | Flying Lead | 0.1m        | M16          |
| PXMBNI12RPM05LFLM16001 | Rear          | 5        | L    | Flying Lead | 0.1m        | M16          |
| PXMBNI12RPF05LFLM16001 | Rear          | 5        | L    | Flying Lead | 0.1m        | M16          |
| PXMBNI12RPM04SFLM16002 | Rear          | 4        | S    | Flying Lead | 0.2m        | M16          |
| PXMBNI12RPF04SFLM16002 | Rear          | 4        | S    | Flying Lead | 0.2m        | M16          |
| PXMBNI12RPM04TFLM16001 | Rear          | 4        | T    | Flying Lead | 0.1m        | M16          |
| PXMBNI12RPF04TFLM16001 | Rear          | 4        | T    | Flying Lead | 0.1m        | M16          |

## M12 T-Splitters



PXPPVC12TS

- 4, 5, 8 & 12 Contacts
- Mates with Flex Body & panel mount connectors



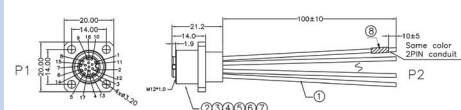
| Part Number          | Contacts | Code | Termination          |
|----------------------|----------|------|----------------------|
| PXPPVC12TSMM04AFIIFI | 4        | A    | Male-Male-Male       |
| PXPPVC12TSMM05AFIIFI | 5        | A    | Male-Male-Male       |
| PXPPVC12TSMM08AFIIFI | 8        | A    | Male-Male-Male       |
| PXPPVC12TSMM12AFIIFI | 12       | A    | Male-Male-Male       |
| PXPPVC12TSFM04AFBIFB | 4        | A    | Female-Female-Male   |
| PXPPVC12TSFM05AFBIFB | 5        | A    | Female-Female-Male   |
| PXPPVC12TSFM08AFBIFB | 8        | A    | Female-Female-Male   |
| PXPPVC12TSFM12AFBIFB | 12       | A    | Female-Female-Male   |
| PXPPVC12TSFF04AFBBFB | 4        | A    | Female-Female-Female |
| PXPPVC12TSFF05AFBBFB | 5        | A    | Female-Female-Female |
| PXPPVC12TSFF08AFBBFB | 8        | A    | Female-Female-Female |
| PXPPVC12TSFF12AFBBFB | 12       | A    | Female-Female-Female |

## M12 Fixed Flange



PXMBNI12FL

- 17 Contacts
- 0.1m cable options
- Mates with Flex Body



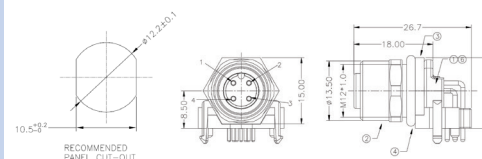
| Part Number            | Contacts | Code | Termination | Lead Length | Mounting     |
|------------------------|----------|------|-------------|-------------|--------------|
| PXMBNI12FLF17AFLFFL001 | 17       | A    | Flying Lead | 0.1m        | Fixed Flange |
| PXMBNI12FLM17AFLFFL001 | 17       | A    | Flying Lead | 0.1m        | Fixed Flange |

## M12 Right Angle Rear Panel Mount



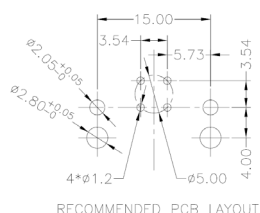
PXMBN12RA

- 4, 5, 8 & 12 Contacts
- Mates with Flex Body
- PCB Termination

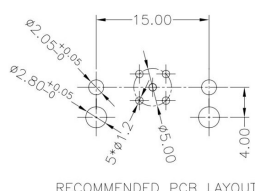


| Part Number        | Contacts | Code | Type   | Termination  | Mounting Nut |
|--------------------|----------|------|--------|--------------|--------------|
| PXMBN12RAF04APCM12 | 4        | A    | Female | PCB Terminal | M12          |
| PXMBN12RAF05APCM12 | 5        | A    | Female | PCB Terminal | M12          |
| PXMBN12RAF08APCM12 | 8        | A    | Female | PCB Terminal | M12          |
| PXMBN12RAF12APCM12 | 12       | A    | Female | PCB Terminal | M12          |
| PXMBN12RAM04APCM12 | 4        | A    | Male   | PCB Terminal | M12          |
| PXMBN12RAM05APCM12 | 5        | A    | Male   | PCB Terminal | M12          |
| PXMBN12RAM08APCM12 | 8        | A    | Male   | PCB Terminal | M12          |
| PXMBN12RAM12APCM12 | 12       | A    | Male   | PCB Terminal | M12          |

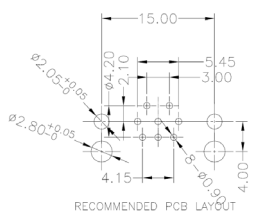
## PCB Contact Layouts:



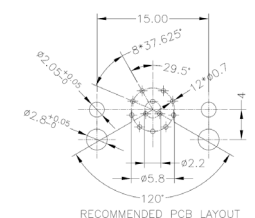
4 Contact PCB Layout



5 Contact PCB Layout



8 Contact PCB Layout



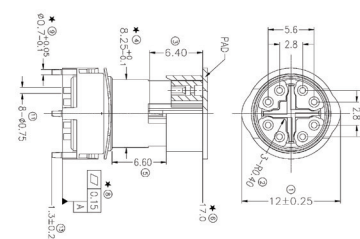
12 Contact PCB Layout

## M12 SMT Connectors



PXPLCP12SM

- 4, 5, 8 & 12 Contacts
- Male and Female options
- PCB Termination



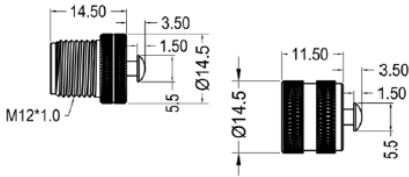
| Part Number      | Male-Male or Male-Female | Contacts | Code | Termination  |
|------------------|--------------------------|----------|------|--------------|
| PXPLCP12SMM04APC | Male-Male                | 4        | A    | PCB Terminal |
| PXPLCP12SMM05APC | Male-Male                | 5        | A    | PCB Terminal |
| PXPLCP12SMM08APC | Male-Male                | 8        | A    | PCB Terminal |
| PXPLCP12SMM12APC | Male-Male                | 12       | A    | PCB Terminal |
| PXPLCP12SMF05APC | Male-Female              | 5        | A    | PCB Terminal |
| PXPLCP12SMF08APC | Male-Female              | 8        | A    | PCB Terminal |

PA66 M12 Sealing Cap



PXPPAM12

- Sealing caps to maintain IP67 rating
- Male & Female versions



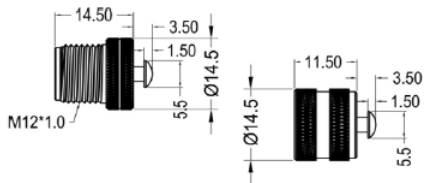
| Part Number | Series | Type   | Material |
|-------------|--------|--------|----------|
| PXPPAM12CAM | M12    | Male   | PA66     |
| PXPPAM12CAF | M12    | Female | PA66     |

Brass - Nickel Plating M12 Sealing Cap



PXMBNI12

- Sealing caps to maintain IP67 rating
- Male & Female versions



| Part Number | Series | Type   | Material               |
|-------------|--------|--------|------------------------|
| PXMBNI12CAM | M12    | Male   | Brass - Nickel Plating |
| PXMBNI12CAF | M12    | Female | Brass - Nickel Plating |

## Electrical

|                          |               |      |     |      |     |      |      |
|--------------------------|---------------|------|-----|------|-----|------|------|
| No. Contacts:            | 3             | 4    | 5   | 6    | 8   | 12   | 17   |
| Current Rating:          | 4A            | 4A   | 4A  | 1.5A | 2A  | 1.5A | 1.5A |
| Voltage Rating (ac/dc) : | 250V          | 250V | 60V | 30V  | 30V | 30V  | 30V  |
| Contact Resistance:      | <10mΩ         |      |     |      |     |      |      |
| Insulation Resistance:   | >100MΩ        |      |     |      |     |      |      |
| AC Breakdown Voltage:    |               |      |     |      |     |      |      |
| 3 Contacts               | 1.5KV         |      |     |      |     |      |      |
| 4 Contacts               | 1.5KV         |      |     |      |     |      |      |
| 5 Contacts               | 1.5KV         |      |     |      |     |      |      |
| 6 Contacts               | 1.5KV         |      |     |      |     |      |      |
| 8 Contacts               | 0.8KV         |      |     |      |     |      |      |
| 12 Contacts              | 0.8KV         |      |     |      |     |      |      |
| 17 Contacts              | 0.8KV         |      |     |      |     |      |      |
| Operating Temp Range:    | -25°C to 80°C |      |     |      |     |      |      |

## Mechanical:

|                                      |                                                      |
|--------------------------------------|------------------------------------------------------|
| Locking Mechanism:                   | Screw coupling                                       |
| Rating:                              | IP67                                                 |
| Contact Accommodation:               | 3, 4, 5, 6, 8, 12 & 17 Contacts                      |
| Cable Acceptance:                    | 28AWG-22AWG                                          |
| Contacts:                            | 4.6 - 8.0mm Dia                                      |
|                                      | Terminations:                                        |
| 3, 4, 5, 6, 8, 12, 17                | PCB / Screw / Solder / Cable<br>PCB / Solder / Cable |
| Mechanical Operation:                | 500 & 100 mating cycle options available             |
| Largest diameter over coupling ring: | 20.0mm                                               |

## Panel Mounting Connectors:

## Cable Connectors:

## Flex & Inline Connectors:

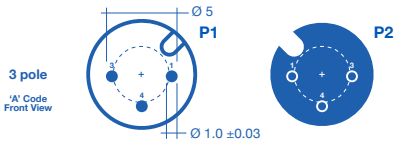
|                              |                               |                               |                               |
|------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Body Material:               | Nickel Plated Brass           | TPU / PVC / LCP               | Nickel Plated Brass / PA66    |
| Coupling Nut Material:       | Nickel Plated Brass           | Nickel Plated Brass           | Nickel Plated Brass           |
| Colour:                      | Grey                          | Black                         | Black or Grey                 |
| Plug Contacts Material:      | Brass, Gold plating           | Brass, Gold plating           | Brass, Gold plating           |
| Socket Contacts Material:    | Phosphor Bronze, Gold plating | Phosphor Bronze, Gold plating | Phosphor Bronze, Gold plating |
| O Rings & Gaskets Materials: | Viton                         | Viton                         | Viton                         |
| RoHS:                        | Compliant                     | Compliant                     | Compliant                     |

| XXX    | XXX                          | XX          | XX                        | X or XX       | XX       | X    | XX                  |
|--------|------------------------------|-------------|---------------------------|---------------|----------|------|---------------------|
| Series | Material                     | Series Size | Body Style                | Orientation   | Contacts | Code | Termination         |
| PXM    | BNI = Brass Nickel           | 12          | FB = Flex Body            | M = Male      | 03       | A    | ST = Screw Terminal |
| PXP    | PAM = Polyamide              |             | FI = Inline Body          | F = Female    | 04       | B    | PC = PCB            |
|        | TPU = Overmold for PUR       |             | RP = Rear Panel Mounting  |               | 05       | D    | CL = Cable          |
|        | PVC = Overmold for PVC       |             | RA = Right Angle          | T-Splitters = | 06       | L    | SC = Solder         |
|        | PNP = + Signal LED           |             | SC = Sealing Cap          | MM            | 08       | S    | FI = Inline         |
|        | NPN = - Signal LED           |             | FP = Front Panel Mounting | FM            | 12       | T    | FL = Flying Lead    |
|        | LCP = Liquid Crystal Polymer |             | TS = T-Splitter           | FF            | 17       | P    |                     |
|        |                              |             | FL = Flange               |               |          |      | T-Splitter =        |
|        |                              |             | SM = Surface Mount        |               |          |      | FIIFI               |
|        |                              |             |                           |               |          |      | FBIFB               |
|        |                              |             |                           |               |          |      | FBFBF               |

| XXX                         | XXX         | XXX            |
|-----------------------------|-------------|----------------|
| Mounting / Gland Nut Thread | Lead Length | Cable Material |
| PG9                         | 001 = 100mm | PUR            |
| PG7                         | 002 = 200mm | PVC            |
|                             | 003 = 300mm |                |
| M12                         | 010 = 1m    |                |
|                             | 030 = 3m    |                |
|                             | 050 = 5m    |                |
| M16                         | 100 = 10m   |                |
|                             | 150 = 15m   |                |
| FLL = Fixed Flange          |             |                |

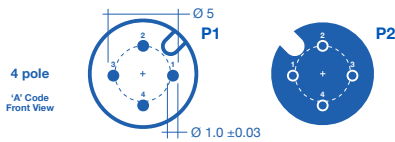
Contact Diagrams:

XXXXXXXXXXM03XXXXXXXXXXXXX  
XXXXXXXXXXF03XXXXXXXXXXXXX



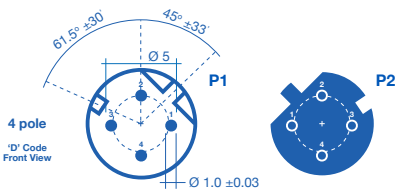
| P1 | PAIR | WIRE COLOUR | P2 |
|----|------|-------------|----|
| 1  | —    | BROWN       | 1  |
| 3  | —    | BLUE        | 3  |
| 4  | —    | BLACK       | 4  |

XXXXXXXXXXM04XXXXXXXXXXXXX  
XXXXXXXXXXF04XXXXXXXXXXXXX



4 Plugs A-CODED

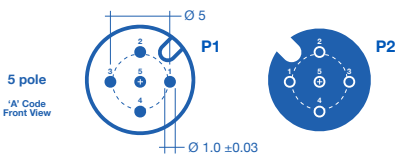
| P1 | PAIR | WIRE COLOUR | P2 |
|----|------|-------------|----|
| 1  | —    | BROWN       | 1  |
| 2  | —    | WHITE       | 2  |
| 3  | —    | BLUE        | 3  |
| 4  | —    | BLACK       | 4  |



4 Plugs D-CODED

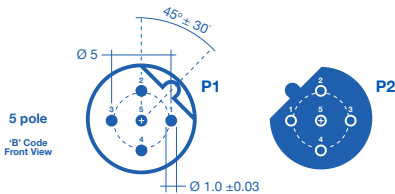
| P1 | PAIR | WIRE COLOUR | P2 |
|----|------|-------------|----|
| 1  | —    | YELLOW      | 1  |
| 2  | —    | WHITE       | 2  |
| 3  | —    | ORANGE      | 3  |
| 4  | —    | BLUE        | 4  |

XXXXXXXXXXM05XXXXXXXXXXXXX  
XXXXXXXXXXF05XXXXXXXXXXXXX



5 Plugs A-CODED

| P1 | PAIR | WIRE COLOUR | P2 |
|----|------|-------------|----|
| 1  | —    | BROWN       | 1  |
| 2  | —    | WHITE       | 2  |
| 3  | —    | BLUE        | 3  |
| 4  | —    | BLACK       | 4  |
| 5  | —    | GREY        | 5  |

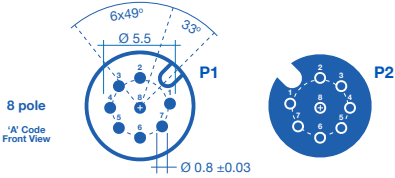


5 Plugs B-CODED

| P1 | PAIR | WIRE COLOUR | P2 |
|----|------|-------------|----|
| 1  | —    | BROWN       | 1  |
| 2  | —    | WHITE       | 2  |
| 3  | —    | BLUE        | 3  |
| 4  | —    | BLACK       | 4  |
| 5  | —    | GREY        | 5  |

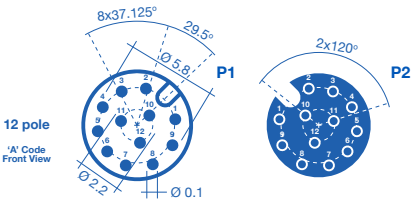
Contact Diagrams:

XXXXXXXXXXM08XXXXXXXXXXXXX  
XXXXXXXXXXF08XXXXXXXXXXXXX



| P1 | PAIR | WIRE COLOUR | P2 |
|----|------|-------------|----|
| 1  | —    | WHITE       | 1  |
| 2  | —    | BROWN       | 2  |
| 3  | —    | GREEN       | 3  |
| 4  | —    | YELLOW      | 4  |
| 5  | —    | GREY        | 5  |
| 6  | —    | PINK        | 6  |
| 7  | —    | BLUE        | 7  |
| 8  | —    | RED         | 8  |

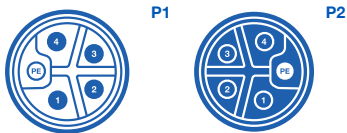
XXXXXXXXXXM12XXXXXXXXXXXXX  
XXXXXXXXXXF12XXXXXXXXXXXXX



| P1 | PAIR | WIRE COLOUR | P2 |
|----|------|-------------|----|
| 1  | —    | BROWN       | 1  |
| 2  | —    | BLUE        | 2  |
| 3  | —    | WHITE       | 3  |
| 4  | —    | GREEN       | 4  |
| 5  | —    | PINK        | 5  |
| 6  | —    | YELLOW      | 6  |
| 7  | —    | BLACK       | 7  |
| 8  | —    | GREY        | 8  |
| 9  | —    | RED         | 9  |
| 10 | —    | VIOLET      | 10 |
| 11 | —    | GREY / PINK | 11 |
| 12 | —    | RED / BLUE  | 12 |

Contact Diagrams:

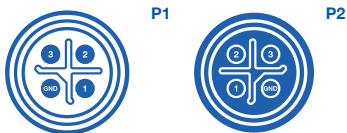
XXXXXXXXXXM05XXXXXXXXXXXXX  
XXXXXXXXXXF05XXXXXXXXXXXXX



5 Plugs L-CODED

| P1  | PAIR | COLOUR | P2  |
|-----|------|--------|-----|
| 1   | —    | BROWN  | 1   |
| 2   | —    | WHITE  | 2   |
| 3   | —    | BLUE   | 3   |
| 4   | —    | BLACK  | 4   |
| GND | —    | GREY   | GND |

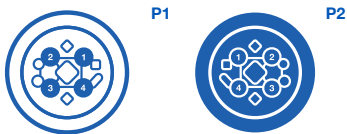
XXXXXXXXXXM04XXXXXXXXXXXXX  
XXXXXXXXXXF04XXXXXXXXXXXXX



4 Plugs S-CODED

| P1  | PAIR | COLOUR | P2  |
|-----|------|--------|-----|
| 1   | —    | BROWN  | 1   |
| 2   | —    | WHITE  | 2   |
| 3   | —    | BLUE   | 3   |
| GND | —    | BLACK  | GND |

XXXXXXXXXXM04XXXXXXXXXXXXX  
XXXXXXXXXXF04XXXXXXXXXXXXX



4 Plugs T-CODED

| P1 | PAIR | COLOUR | P2 |
|----|------|--------|----|
| 1  | —    | BROWN  | 1  |
| 2  | —    | WHITE  | 2  |
| 3  | —    | BLUE   | 3  |
| 4  | —    | BLACK  | 4  |