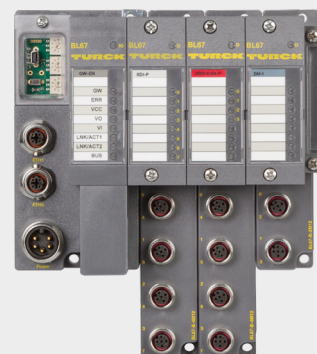


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- Inductive
- Magnetic
- Capacitive
- Flow
- Pressure
- Linear Position
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- M8 Picofast
- M12 Eurofast
- 7/8" Minifast
- M12 Eurofast Junction Boxes
- M23 Multifast
- Ethernet Connectivity
- DeviceNet Connectivity
- Valve Plugs
- A-Size Powerfast
- D-Size Powerfast





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Consolidate wiring and put machine control right where you want it with Turck. Our in-depth understanding of industrial networking products - along with a broad product offering - positions Turck as a leader within the industry.

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### In-Stock Fieldbus Technology Includes:

- Block I/O\*
- IP67 Power Supplies\*



\*Not all variants may be available

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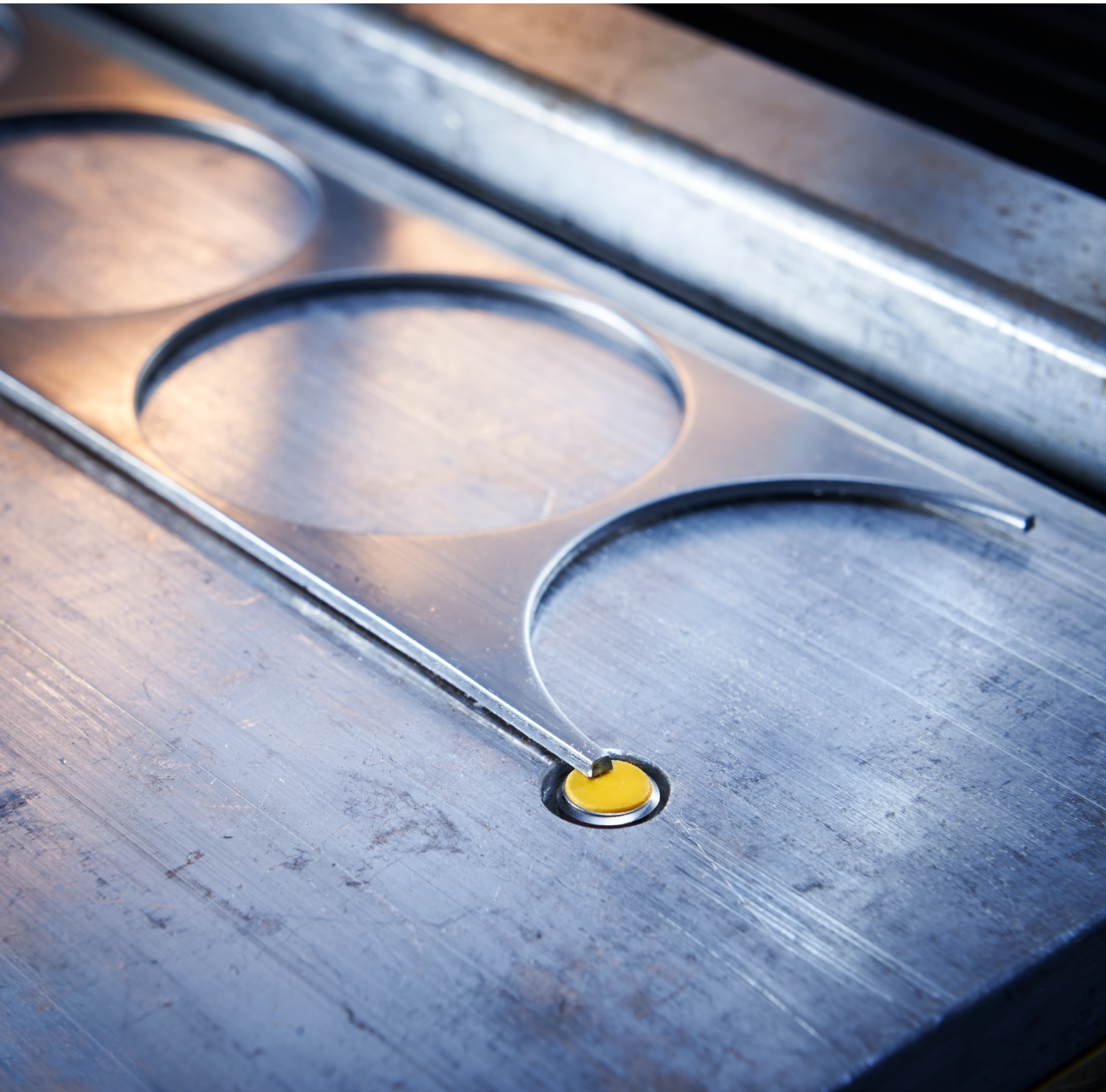
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# Sensors





## Sensors | Inductive

### 4 mm Smooth Barrel, 3-wire DC



Operating voltage: 10-30 VDC  
 Short circuit protection  
 Reverse polarity protection  
 Stainless steel barrel  
 Output: normally open

| Product ID | Product Description       | Special Feature | Switching Distance | Embeddable vs Non-embeddable | Connection   | Output Function | Dimensions | Switching Freq. | Ambient Temp.    |
|------------|---------------------------|-----------------|--------------------|------------------------------|--------------|-----------------|------------|-----------------|------------------|
| 100013735  | BI1-EH04-AP6X-V1331/S1367 | -               | 1 mm               | Embeddable                   | male, M8 x 1 | PNP             | 4x42 mm    | 3 kHz           | -25 °C to +70 °C |
| 100013730  | BI1-EH04-AP6X/S1367       | -               | 1 mm               | Embeddable                   | 2M cable     | PNP             | 4x42 mm    | 3 kHz           | -25 °C to +70 °C |

### 5 mm Barrel, 3-wire DC



Operating voltage: 10-30 VDC  
 Short circuit protection  
 Reverse polarity protection  
 Stainless steel barrel  
 Output: normally open

| Product ID | Product Description | Special Feature | Switching Distance | Embeddable vs Non-embeddable | Connection | Output Function | Dimensions | Switching Freq. | Ambient Temp.    |
|------------|---------------------|-----------------|--------------------|------------------------------|------------|-----------------|------------|-----------------|------------------|
| 100013734  | BI1-EG05-AP6X/S1367 |                 | 1mm                | Embeddable                   | 2M cable   | PNP             | 5 x 42mm   | 3 kHz           | -25 °C to +70 °C |

### 8 mm Barrel, 3-wire DC



Operating voltage: 10-30 VDC  
 Short circuit protection  
 Reverse polarity protection  
 Stainless steel barrel  
 Output: normally open

| Product ID | Product Description        | Special Feature | Switching Distance | Embeddable vs Non-embeddable | Connection    | Output Function | Dimensions | Switching Freq. | Ambient Temp.    |
|------------|----------------------------|-----------------|--------------------|------------------------------|---------------|-----------------|------------|-----------------|------------------|
| 4602140    | BI2-EG08-AN6X              |                 | 2mm                | Embeddable                   | 2M cable      | NPN             | 8x 40mm    |                 | -25 °C to +70 °C |
| 4602160    | BI2-EG08-AN6X-H1341        |                 | 2mm                | Embeddable                   | male, M12 x 1 | NPN             | 8 x 40mm   |                 | -25 °C to +70 °C |
| 4602150    | BI2-EG08-AN6X-V1131        |                 | 2mm                | Embeddable                   | male, M8 x 1  | NPN             | 8 x 40mm   |                 | -25 °C to +70 °C |
| 4602040    | BI2-EG08-AP6X              |                 | 2mm                | Embeddable                   | 2M Cable      | PNP             | 8 x 40mm   |                 | -25 °C to +70 °C |
| 4602060    | BI2-EG08-AP6X-H1341        |                 | 2mm                | Embeddable                   | male, M12 x 1 | PNP             | 8 x 40mm   |                 | -25 °C to +70 °C |
| 4602050    | BI2-EG08-AP6X-V1131        |                 | 2mm                | Embeddable                   | male, M8 x 1  | PNP             | 8 x 40mm   |                 | -25 °C to +70 °C |
| 100013739  | BI2-EG08K-AP6X-H1341/S1367 |                 | 2mm                | Embeddable                   | male, M12 x 1 | PNP             | 8 x 22mm   |                 | -25 °C to +70 °C |
| 4669452    | BI2-EG08K-AP6X-V1131/S957  |                 | 2mm                | Embeddable                   | male, M8 x 1  | PNP             | 8 x 22mm   |                 | -25 °C to +70 °C |
| 4602033    | BI2U-EG08-AP6X-V1131       | uprox           | 2mm                | Embeddable                   | male, M8 x 1  | PNP             | 8 x 40mm   |                 | -25 °C to +70 °C |
| 4602071    | BI2U-EGT08-AP6X-H1341      |                 | 2mm                | Embeddable                   | male, M12 x 1 | PNP             | 8 x 40mm   |                 | -30 °C to +85 °C |
| 4602422    | BI3U-EM08-AN6X-H1341       | uprox           | 3mm                | Embeddable                   | male, M12 x 1 | NPN             | 8 x 30mm   |                 | 0 °C to +60 °C   |
| 4635801    | NI6U-EG08-AP6X-V1131       | uprox           | 6mm                | Non-Embeddable               | male, M8 x 1  | PNP             | 8 x 49mm   |                 | -30 °C to +85 °C |



## Sensors | Inductive

### 8 mm Barrel, 3-wire DC (continued)

| Product ID | Product Description | Special Feature | Switching Distance | Embeddable vs Non-embeddable | Connection    | Output Function | Dimensions | Switching Freq. | Ambient Temp.    |
|------------|---------------------|-----------------|--------------------|------------------------------|---------------|-----------------|------------|-----------------|------------------|
| 4602850    | NI3-EG08-AN6X-V1131 |                 | 3mm                | Non-Embeddable               | male, M8 x 1  | NPN             | 8x 49mm    | 3 kHz           | -25 °C to +70 °C |
| 4602760    | NI3-EG08-AP6X-H1341 |                 | 3mm                | Non-Embeddable               | male, M12 x 1 | PNP             | 8 x 49mm   | 3 kHz           | -25 °C to +70 °C |
| 4602750    | NI3-EG08-AP6X-V1131 |                 | 3mm                | Non-Embeddable               | male, M8 x 1  | PNP             | 8 x 49mm   | 3 kHz           | -25 °C to +70 °C |

### 12 mm Barrel, 3-wire DC



Operating voltage: 10-30 VDC  
 Short circuit protection  
 Reverse polarity protection  
 Chrome plated, brass barrel  
 Output: normally open

| Product ID | Product Description | Special Feature | Switching Distance | Embeddable vs Non-embeddable | Connection    | Output Function | Dimensions | Switching Freq. | Ambient Temp.    |
|------------|---------------------|-----------------|--------------------|------------------------------|---------------|-----------------|------------|-----------------|------------------|
| 46066      | BI2-M12-AN6X-H1141  |                 | 2mm                | Embeddable                   | male, M12 x 1 | NPN             | 12 x 52mm  | 2 kHz           | -25 °C to +70 °C |
| 46065      | BI2-M12-AP6X-H1141  |                 | 2mm                | Embeddable                   | male, M12 x 1 | PNP             | 12 x 52mm  | 2 kHz           | -25 °C to +70 °C |
| 46071      | BI4-M12-AN6X-H1141  |                 | 4mm                | Embeddable                   | male, M12 x 1 | NPN             | 12 x 52mm  | 2 kHz           | -25 °C to +70 °C |
| 46070      | BI4-M12-AP6X-H1141  |                 | 4mm                | Embeddable                   | male, M12 x 1 | PNP             | 12 x 52mm  | 2 kHz           | -25 °C to +70 °C |
| 46068      | NI4-M12-AN6X-H1141  |                 | 4mm                | Non-Embeddable               | male, M12 x 1 | NPN             | 12 x 52mm  | 2 kHz           | -25 °C to +70 °C |
| 46067      | NI4-M12-AP6X-H1141  |                 | 4mm                | Non-Embeddable               | male, M12 x 1 | PNP             | 12 x 52mm  | 2 kHz           | -25 °C to +70 °C |

### 18 mm Barrel, 3-wire DC



Operating voltage: 10-30 VDC  
 Short circuit protection  
 Reverse polarity protection  
 Chrome plated, brass barrel  
 Output: normally open

| Product ID | Product Description | Special Feature | Switching Distance | Embeddable vs Non-embeddable | Connection    | Output Function | Dimensions | Switching Freq. | Ambient Temp.    |
|------------|---------------------|-----------------|--------------------|------------------------------|---------------|-----------------|------------|-----------------|------------------|
| 4015202    | BI5-EM18-Y1X-H1141  |                 | 5mm                | Embeddable                   | male, M12 x 1 | NAMUR           | 18 x 52mm  | 1 kHz           | -25 °C to +70 °C |
| 46146      | BI5-M18-AN6X-H1141  |                 | 5mm                | Embeddable                   | male, M12 x 1 | NPN             | 18 x 52mm  | 0.5 kHz         | -25 °C to +70 °C |
| 46145      | BI5-M18-AP6X-H1141  |                 | 5mm                | Embeddable                   | male, M12 x 1 | PNP             | 18 x 52mm  | 0.5 kHz         | -25 °C to +70 °C |
| 4615100    | BI8-M18-AN6X-H1141  |                 | 8mm                | Embeddable                   | male, M12 x 1 | NPN             | 18 x 52mm  | 0.5 kHz         | -25 °C to +70 °C |
| 46150      | BI8-M18-AP6X-H1141  |                 | 8mm                | Embeddable                   | male, M12 x 1 | PNP             | 18 x 52mm  | 0.5 kHz         | -25 °C to +70 °C |
| 46147      | NI8-M18-AP6X-H1141  |                 | 8mm                | Non-Embeddable               | male, M12 x 1 | PNP             | 18 x 52mm  | 0.5 kHz         | -25 °C to +70 °C |



## Sensors | Inductive

### 30 mm Barrel, 3-wire DC



Operating voltage: 10-30 VDC  
 Short circuit protection  
 Reverse polarity protection  
 Chrome plated, brass barrel  
 Output: normally open

| Product ID | Product Description | Special Feature | Switching Distance | Embeddable vs Non-embeddable | Connection    | Output Function | Dimensions | Switching Freq. | Ambient Temp.    |
|------------|---------------------|-----------------|--------------------|------------------------------|---------------|-----------------|------------|-----------------|------------------|
| 4618600    | BI15-M30-AN6X-H1141 |                 | 15mm               | Embeddable                   | male, M12 x 1 | NPN             | 30 x 62mm  | 0.3 kHz         | -25 °C to +70 °C |
| 46185      | BI15-M30-AP6X-H1141 |                 | 15mm               | Embeddable                   | male, M12 x 1 | PNP             | 30 x 62mm  | 0.3 kHz         | -25 °C to +70 °C |
| 4670510    | NI20-M30-AP6X-H1141 |                 | 20mm               | Non-Embeddable               | male, M12 x 1 | PNP             | 30 x 62mm  | 0.3 kHz         | -25 °C to +70 °C |

### 2-wire AC & AC/DC



Operating voltage: 20-250 VAC / 10-300 VDC  
 Short circuit protection  
 Output: normally open

| Product ID | Product Description   | Switching Distance | Embeddable vs Non-embeddable | Connection       | Output Function | Dimensions | Switching Freq. | Ambient Temp.    |
|------------|-----------------------|--------------------|------------------------------|------------------|-----------------|------------|-----------------|------------------|
| 4405041    | BI3-M12-AD4X-H1141    | 3mm                | Embeddable                   | male, M12 x 1    | DC              | 12 x 52mm  | 1 kHz           | -25 °C to +70 °C |
| 4414541    | BI7-M18-AD4X-H1141    | 7mm                | Embeddable                   | male, M12 x 1    | DC              | 18 x 52mm  | 1 kHz           | -25 °C to +70 °C |
| 4205001    | BI2-G12-ADZ32X-B3131  | 2mm                | Embeddable                   | male, 1/2-20 UNF | AC/DC           | 12 x 52mm  | 0.2 kHz         | -25 °C to +70 °C |
| 4209301    | BI8-G18-ADZ30X2-B3331 | 8mm                | Embeddable                   | male, 1/2-20 UNF | AC/DC           | 18 x 52mm  | 0.2 kHz         | -25 °C to +70 °C |

### Miscellaneous Sensors

| Product ID | Product Description        | Switching Distance | Embeddable vs Non-embeddable | Connection    | Output Function | Dimensions       | Switching Freq. |
|------------|----------------------------|--------------------|------------------------------|---------------|-----------------|------------------|-----------------|
| 42242      | NI20-CP40-FDZ30X2/S10      | 20mm               | Non-Embeddable               | none          | AC/DC           | 114 x 40 x 40 mm | 60Hz            |
| 4570890    | BI2-CRS260-AP4X2-H1141/S34 | 2mm                | Embeddable                   | male, M12 x 1 | PNP             | 27mm             | 0.03 kHz        |

### Accessory



For use with barrel sensors

| Product ID | Product Description | Barrel Size |
|------------|---------------------|-------------|
| A3130      | MB-12               | 12 mm       |
| A3135      | MB-18               | 18 mm       |
| A3140      | MB-30               | 30 MM       |
| A2523      | MBSS-12             | 12 MM       |
| A2524      | MBSS-18             | 18 mm       |



## Sensors | Inductive

### Rectangular



Operating voltage: 120/250 VAC/10/300 VDCVDC  
 Short circuit protection  
 Reverse polarity protection  
 Output: normally open/  
 normally closed

| Product ID | Product Description   | Switching Distance | Embeddable vs Non-embeddable | Connection | Output Function | Dimensions   | Switching Freq. |
|------------|-----------------------|--------------------|------------------------------|------------|-----------------|--------------|-----------------|
| 42242      | NI20-CP40-FDZ30X2/S10 | 20 mm              | Non-embeddable               | Terminal   | PNP             | 40x40x114 mm | 50 kHz          |

### Rectangular, 3-wire DC



Operating voltage: 10-30 VDC  
 Short circuit protection  
 Reverse polarity protection  
 Output: normally open

| Product ID | Product Description         | Special Feature | Switching Distance | Embeddable vs Non-embeddable | Connection | Output Function | Dimensions      | Switching Freq. |
|------------|-----------------------------|-----------------|--------------------|------------------------------|------------|-----------------|-----------------|-----------------|
| 1614001    | BI2-Q4.7-AN6X               |                 | 2mm                | Embeddable                   | 2M cable   | NPN             | 16 x 8 x 4.7 mm | 1 kHz           |
| 1614000    | BI2-Q4.7-AP6X               |                 | 2mm                | Embeddable                   | 2M cable   | PNP             | 16 x 8 x 4.7 mm | 1 kHz           |
| 1613040    | BI2-Q5.5-AP6X/S34/S90/S1235 | WFI             | 2mm                | Embeddable                   | 2M cable   | PNP             | 28 x 8 x 5.5 mm | 1 kHz           |
| 4613601    | NI3.5-Q5.5-AP6X             |                 | 3.5mm              | Embeddable                   | 2M cable   | PNP             | 28 x 8 x 5.5 mm | 1 kHz           |
| 4613603    | NI3.5-Q5.5-RP6X             |                 | 3.5mm              | Embeddable                   | 2M cable   | PNP             | 28x 8 x 5.5 mm  | 1 kHz           |

## Sensors | Magnetic

### Cylinder Sensor



Operating voltage: 10-30 VDC  
 IP rating: IP67  
 Output: normally open

| Product ID | Product Description          | Special Feature | Connection    | Output Function | Dimension      | Switching Freq. |
|------------|------------------------------|-----------------|---------------|-----------------|----------------|-----------------|
| 4621690    | BIM-IKE-AP6X-H1141 W/KLI3    | Tie Rod         | M12           | PNP             | 44 x 14 x 28mm | 1 kHz           |
| 4685844    | BIM-UNR-AP6X-0.3-PSG3M W/M   | C Groove        | male, M8 x 1  | PNP             | 20 x 3 x 4mm   | 0.3 kHz         |
| 4685715    | BIM-UNR-AP6X-0.6-PSG3M W/M   | C Groove        | male, M8 x 2  | PNP             | 21 x 3 x 4mm   | 0.3 kHz         |
| 4685734    | BIM-UNT-0.1-UNT-2AP6X3-H1141 | T Groove        | male, M12 x 1 | PNP             | 31 x 5 x 6mm   | 1 kHz           |
| 4685891    | BIM-UNT-2AP6X-0.2-RSC4.4T    | T Groove        | male, M12 x 1 | PNP             | 32 x 5 x 6mm   | 2 kHz           |
| 4685720    | BIM-UNT-AP6X                 | T Groove        | 2M cable      | PNP             | 33 x 5 x 6mm   | 3 kHz           |
| 4685723    | BIM-UNT-AP6X-0.3-PSG3M       | T Groove        | male, M12 x 1 | PNP             | 34 x 5 x 6mm   | 4 kHz           |

## Sensors | Capacitive

### Rectangular - Capacitive sensor



Operating voltage: 10-30 VDC  
Fluid and metal/non-metallic parts detection

| Product ID | Product Description   | Switching Distance | Connection | Output Function | Special Feature      | Output - NO/NC | Dimensions   |
|------------|-----------------------|--------------------|------------|-----------------|----------------------|----------------|--------------|
| 2620121    | BC10-QF5.5-AN6X2      | 10 mm              | 2 m cable  | NPN             |                      | NO             | 50x20x5.5 mm |
| 2620137    | BC10-QF5.5-AN6X2/S932 | 10 mm              | 2 m cable  | NPN             | Sealed Potentiometer | NO             | 50x20x5.5 mm |
| 2620117    | BC10-QF5.5-AP6X2      | 10 mm              | 2 m cable  | PNP             |                      | NO             | 50x20x5.5 mm |
| 2620128    | BC10-QF5.5-RN6X2      | 10 mm              | 2 m cable  | NPN             |                      | NC             | 50x20x5.5 mm |
| 2620126    | BC10-QF5.5-RP6X2      | 10 mm              | 2 m cable  | PNP             |                      | NC             | 50x20x5.5 mm |
| 2620120    | BC5-QF5.5-AN6X2/S250  | 5 mm               | 2 m cable  | NPN             | No Adjustability     | NO             | 50x20x5.5 mm |
| 26201      | BC5-Q08-AN6X2/S250    | 5 mm               | 2 m cable  | NPN             | No Adjustability     | NO             | 32x20x8 mm   |

### 12 mm Barrel, Capacitive, 3-wire DC



Operating voltage: 10-30 VDC  
Fluid and metal/non-metallic parts detection  
Adjustment via potentiometer

| Product ID | Product Description | Switching Distance | Connection | Output Function | Output - NO/NC | Housing Material          |
|------------|---------------------|--------------------|------------|-----------------|----------------|---------------------------|
| 2601200    | BC3-S12-AP6X        | 3 mm               | 2 m cable  | PNP             | NO             | Plastic Barrel, PA12-GF30 |

### 18 mm Barrel, Capacitive, 3-wire DC



Operating voltage: 10-65 VDC  
Fluid and metal/non-metallic parts detection  
Adjustment via potentiometer

| Product ID | Product Description     | Switching Distance | Connection     | Output Function | Output - NO/NC | Special Feature | Housing Material          |
|------------|-------------------------|--------------------|----------------|-----------------|----------------|-----------------|---------------------------|
| 2504001    | BC5-M18-AP4X            | 5 mm               | 2 m cable      | PNP             | NO             | -               | Chrome Plated Brass       |
| 2503011    | BCF5-S18-AP4X           | 5 mm               | 2 m cable      | PNP             | NO             | Noise Immune    | Plastic Barrel, PA12-GF30 |
| 2503099    | BCF5-S18-AP4X-0.2M-RS4T | 5 mm               | cable, M12 x 1 | PNP             | NO             | Noise Immune    | Plastic Barrel, PA12-GF30 |

## Sensors | Capacitive

### 30 mm Barrel, Capacitive, 3-wire DC



Operating voltage: 10-65 VDC  
Fluid and metal/non-metallic parts detection  
Adjustment via potentiometer

| Product ID | Product Description  | Switching Distance | Connection    | Output Function | Output - NO/NC | Special Feature | Housing Material          |
|------------|----------------------|--------------------|---------------|-----------------|----------------|-----------------|---------------------------|
| 2506100    | BC10-S30-VP4X-H1141  | 10 mm              | male, M12 x 1 | PNP             | NO/NC          |                 | Plastic Barrel, PA12-GF30 |
| 2506016    | BCF10-S30-VN4X-H1141 | 10 mm              | male, M12 x 1 | NPN             | NO/NC          | Noise Immune    | Plastic Barrel, PA12-GF30 |

### Capacitive, 2-wire NAMUR



Requires switching amplifier  
Fluid and metal/non-metallic parts detection  
Intrinsically safe

| Product ID | Product Description | Switching Distance | Connection | Output Function | Output - NO/NC | Housing Material               |
|------------|---------------------|--------------------|------------|-----------------|----------------|--------------------------------|
| 2030000    | BC5-QF5.5-Y1X/S250  | 5 mm               | 2 m cable  | Namur           | Namur          | Plastic Rectangular, PA12-GF30 |

## Sensors | Flow

### Airflow Flow Monitor



Operating voltage: 24 VDC +/- 10%  
Calorimetric flow principle  
No moving parts

| Product ID | Product Description | Measuring Span | Process Connection | Output Function | Output | Connection |
|------------|---------------------|----------------|--------------------|-----------------|--------|------------|
| 6870704    | FCS-M18-AP8X        | 0.5-15 m/s     | M18x1              | 3-wire DC, PNP  | NO     | 2 m cable  |

### Flow Monitor, Insertion Probe



Operating voltage: 24 VDC +/- 10%  
Calorimetric flow principle  
No moving parts

| Product ID | Product Description   | Measuring Span | Process Connection | Output Function | Output - NO/NC | Connection    |
|------------|-----------------------|----------------|--------------------|-----------------|----------------|---------------|
| 6871004    | FCS-N1/2A4-AP8X-H1141 | 1-150 cm/s     | 1/2" Male NPT      | 3-wire DC, PNP  | NO             | male, M12 x 1 |

### Inline Flow Monitor



Operating voltage: 24 VDC +/- 10%  
Calorimetric flow principle  
No moving parts

| Product ID | Product Description   | Measuring Span | Process Connection | Output Function | Output - NO/NC | Connection    |
|------------|-----------------------|----------------|--------------------|-----------------|----------------|---------------|
| 6870640    | FCI-D04A4P-AP8X-H1141 | 0.01 - 1 l/min | G1/4 Male          | 3-wire DC, PNP  | NO             | male, M12 x 1 |

## Sensors | Pressure

### Pressure Transmitter



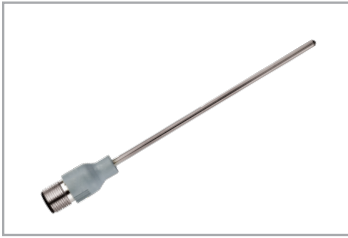
PSI and bar ranges  
Output: 4-20 mA and 0-10 VDC

| Product ID | Product Description    | Measuring Span | Output Function | Operating Voltage | Connection    | Process Connection |
|------------|------------------------|----------------|-----------------|-------------------|---------------|--------------------|
| 6831459    | PT100PSIG-13-LI3-H1131 | 0 - 100 PSI    | Analog Current  | 8 - 33 VDC        | male, M12 x 1 | 1/4" Male NPT      |
| 6831461    | PT300PSIG-13-LI3-H1131 | 0 - 300 PSI    | Analog Current  | 8 - 33 VDC        | male, M12 x 1 | 1/4" Male NPT      |



## Sensors | Temperature

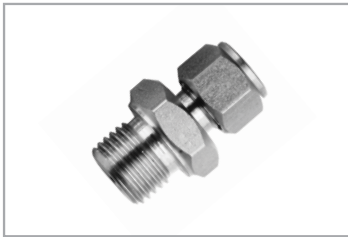
### Temperature Probe, PT100 RTD



4-wire class A RTD  
100  $\Omega$  platinum element  
M12 connector  
IP rating: IP67

| Product ID | Product Description   | Connection    | Process Connection       | Insertion Length |
|------------|-----------------------|---------------|--------------------------|------------------|
| 9910402    | TP-203A-CF-H1141-L100 | male, M12 x 1 | 3 mm Compression Fitting | 100 mm           |
| 9910475    | TP-206A-CF-H1141-L100 | male, M12 x 1 | 6 mm Compression Fitting | 100 mm           |
| 9910476    | TP-206A-CF-H1141-L150 | male, M12 x 1 | 6 mm Compression Fitting | 150 mm           |

### Compression Fittings



For use with temperature transmitter with probe and temperature probes

| Product ID | Product Description | Process Connection | Function                 |
|------------|---------------------|--------------------|--------------------------|
| 9910408    | CF-M-3-N1/4-A4      | 1/4" Male NPT      | 3 mm Compression Fitting |
| 9910529    | CF-M-6-N1/2-A4      | 1/2" Male NPT      | 6 mm Compression Fitting |
| 9910484    | CF-M-6-N1/4-A4      | 1/4" Male NPT      | 6 mm Compression Fitting |

### Thermowells



For use with temperature transmitter with probe and temperature probes

| Product ID | Product Description | Process Connection | Function        | Insertion Length |
|------------|---------------------|--------------------|-----------------|------------------|
| 9910447    | THW-3-N1/2-A4-L050  | 1/2" Male NPT      | 3 mm Thermowell | 50 mm            |

# Sensors | Linear Position

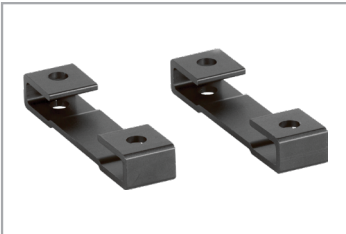
## Qtrack - Linear



**Inductive technology**  
**16-bit resolution**  
**0-10 V plus 4-20 mA analog output signals in the same sensor (5-wire, 15-30 VDC)**  
**IP rating: IP67**  
**Programmable measuring span**  
**M12 Eurofast connector**

| Product ID | Product Description           | Measuring Span | Housing Type | Accessories Included |
|------------|-------------------------------|----------------|--------------|----------------------|
| 100001932  | LI100P0-Q25LM0-ELIU5X3-H1151  | 100 mm         | Q25          | Purchased separately |
| 100001933  | LI200P0-Q25LM0-ELIU5X3-H1151  | 200 mm         | Q25          | Purchased separately |
| 100001934  | LI300P0-Q25LM0-ELIU5X3-H1151  | 300 mm         | Q25          | Purchased separately |
| 100001935  | LI400P0-Q25LM0-ELIU5X3-H1151  | 400 mm         | Q25          | Purchased separately |
| 100001936  | LI500P0-Q25LM0-ELIU5X3-H1151  | 500 mm         | Q25          | Purchased separately |
| 100001937  | LI600P0-Q25LM0-ELIU5X3-H1151  | 600 mm         | Q25          | Purchased separately |
| 100001938  | LI700P0-Q25LM0-ELIU5X3-H1151  | 700 mm         | Q25          | Purchased separately |
| 100001939  | LI800P0-Q25LM0-ELIU5X3-H1151  | 800 mm         | Q25          | Purchased separately |
| 100001940  | LI900P0-Q25LM0-ELIU5X3-H1151  | 900 mm         | Q25          | Purchased separately |
| 100001941  | LI1000P0-Q25LM0-ELIU5X3-H1151 | 1000 mm        | Q25          | Purchased separately |
| 100001317  | LI1250P0-Q25LM0-ELIU5X3-H1151 | 1250 mm        | Q25          | Purchased separately |
| 100001318  | LI1500P0-Q25LM0-ELIU5X3-H1151 | 1500 mm        | Q25          | Purchased separately |
| 100001319  | LI1750P0-Q25LM0-ELIU5X3-H1151 | 1750 mm        | Q25          | Purchased separately |
| 100001320  | LI2000P0-Q25LM0-ELIU5X3-H1151 | 2000 mm        | Q25          | Purchased separately |

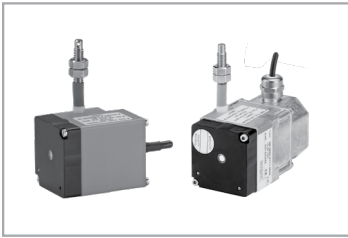
## Qtrack - Linear Accessory



| Product ID | Product Description | Details                                                  |
|------------|---------------------|----------------------------------------------------------|
| 6901045    | M1-Q25L (2 PCS)     | Q25 sensor mounting feet, 50 mm mounting holes (2/bag)   |
| 6901046    | M2-Q25L             | Q25 sensor mounting feet, 42.5 mm mounting holes (2/bag) |
| 6901041    | P1-LI-Q25L          | Q25 position element, captive                            |
| 6901042    | P2-LI-Q25L          | Q25 position element, floating                           |
| 6901044    | P3-LI-Q25L          | Q25 position element, floating, right angle              |

## Sensors | Linear Position

### Draw wire



Stainless steel cable  
Reinforced plastic housing (1 m versions)  
Zinc die cast housing (2 m versions)  
Compact housings

| Product ID | Product Description | Measuring Span | Output Function | Connection             |
|------------|---------------------|----------------|-----------------|------------------------|
| 1546541    | DW1000-55-7F-CA     | 1000 mm        | 4-20 mA         | Axial cable (2 m PVC)  |
| 1546542    | DW1000-55-8D-CA     | 1000 mm        | 0-10 V          | Axial cable (2 m PVC)  |
| 1545614    | DW2000-55-7F-C      | 2000 mm        | 4-20 mA         | Radial cable (2 m PVC) |
| 1545615    | DW2000-55-PB-C      | 2000 mm        | 10 kOhm, Pot.   | Radial cable (2 m PVC) |

## Sensors | Angular Position

### Inclinometer

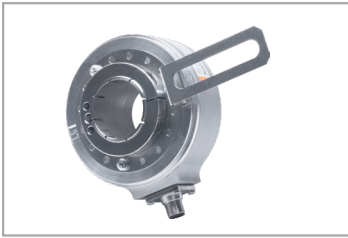


Position data available via IO-Link process data  
Compact housings  
IP rating: IP69K  
Fusion technology adds output stability in dynamic movement applications

| Product ID | Product Description       | # of Axis | Measuring Span | Output Function             | Temperature      |
|------------|---------------------------|-----------|----------------|-----------------------------|------------------|
| 100020900  | B1NF360V-QR20-IOLX3-H1141 | 1         | 0-360°         | IO-Link (Fusion Technology) | -40 °C to +85 °C |
| 100020901  | B2NF85H-QR20-IOLX3-H1141  | 2         | ± 85°          | IO-Link (Fusion Technology) | -40 °C to +85 °C |
| 100025084  | B1N360V-QR20-IOLX3-H1141  | 1         | 0-360°         | IO-Link (MEMS Technology)   | -40 °C to +85 °C |
| 100025086  | B2N85H-QR20-IOLX3-H1141   | 2         | ± 85°          | IO-Link (MEMS Technology)   | -40 °C to +85 °C |

# Sensors | Rotary Position

## Encoders - Rotary Accessory



**Rugged double bearing lock design**

**Wide temperature range: -40 °C to +85 °C (RI-10/12 series), -40 °C to +80 °C (RI-43 series)**

**Environmentally protected designs: ratings up to IP67**

| Product ID | Product Description             | IP Rating | Pulse Rate | Shaft Size | Hollow Shaft Size | Operating Voltage | Output Function | Connection         |
|------------|---------------------------------|-----------|------------|------------|-------------------|-------------------|-----------------|--------------------|
| 1546140    | RI-10SA1Z4-2K2500-H1181         | IP67      | 2500       | 3/8"       | -                 | 5-30 VDC          | Push-Pull, HTL  | M12 x 1, radial    |
| 1545509    | RI-10TA1C-2K2048-H1181          | IP65      | 2048       | 3/8"       | -                 | 5-30 VDC          | Push-Pull, HTL  | M12 x 1, radial    |
| 1545783    | RI-12HA1S1-2K2500-H1151/N73     | IP67      | 2500       | -          | 3/8"              | 5-30 VDC          | Push-Pull, HTL  | M12 x 1, radial    |
| 1544898    | RI-12H12S1-2F1000-H1181         | IP67      | 1000       | -          | 12 mm             | 5-30 VDC          | Push-Pull, HTL  | M12 x 1, radial    |
| 1544239    | RI-12H12T-2B1024-H1181          | IP67      | 1024       | -          | 12 mm             | 10-30 VDC         | Push-Pull, HTL  | M12 x 1, radial    |
| 1545510    | RI-12HA0T-2B1000-H1181          | IP67      | 1000       | -          | 1/4"              | 10-30 VDC         | Push-Pull, HTL  | M12 x 1, radial    |
| 1545511    | RI-12HA3S1-2B256-H1181          | IP67      | 256        | -          | 1/2"              | 10-30 VDC         | Push-Pull, HTL  | M12 x 1, radial    |
| 1545512    | RI-12HA3S1-2K1024-H1181         | IP67      | 1024       | -          | 1/2"              | 5-30 VDC          | Push-Pull, HTL  | M12 x 1, radial    |
| 1545514    | RI-12HA4T-4A1000-12M23          | IP67      | 1000       | -          | 5/8"              | 5 VDC             | Push-Pull, TTL  | M23, radial        |
| 1545515    | RI-12I12T-2K1000-C1M            | IP65      | 1000       | -          | 12 mm             | 5-30 VDC          | Push-Pull, HTL  | cable, 1 m, radial |
| 1545301    | RI-12I14E-4B4096-H1181          | IP65      | 4096       | -          | 14 mm             | 5-30 VDC          | Push-Pull, TTL  | M12 x 1, radial    |
| 1545516    | RI-12I15S1-2K1024-H1181         | IP65      | 1024       | -          | 15 mm             | 5-30 VDC          | Push-Pull, HTL  | M12 x 1, radial    |
| 1545901    | RI-43H20S8-2F1024-H1181/N42     | IP65      | 1024       | -          | 20 mm             | 5-30 VDC          | Push-Pull, HTL  | M12 x 1, radial    |
| 1545830    | RI-43H38E2-2F1024-10MIL/N33/N40 | IP65      | 1024       | -          | 38 mm             | 5-30 VDC          | Push-Pull, HTL  | Military, radial   |
| 1545834    | RI-43H38E2-2F1024-H1181/N29     | IP65      | 1024       | -          | 38 mm             | 5-30 VDC          | Push-Pull, HTL  | M12 x 1, radial    |
| 1545832    | RI-43H38E2-2F1024-H1181/N33     | IP65      | 1024       | -          | 38 mm             | 5-30 VDC          | Push-Pull, HTL  | M12 x 1, radial    |
| 1545831    | RI-43H38E2-2F2048-10MIL/N33/N40 | IP65      | 2048       | -          | 38 mm             | 5-30 VDC          | Push-Pull, HTL  | Military, radial   |
| 1545833    | RI-43H38E2-2F2048-H1181/N33     | IP65      | 2048       | -          | 38 mm             | 5-30 VDC          | Push-Pull, HTL  | M12 x 1, radial    |
| 1545835    | RI-43H38S8-2F1024-H1181/N29     | IP65      | 1024       | -          | 38 mm             | 5-30 VDC          | Push-Pull, HTL  | M12 x 1, radial    |
| 1545800    | RI-43H38S8-2F5000-H1181         | IP65      | 5000       | -          | 38 mm             | 5-30 VDC          | Push-Pull, HTL  | M12 x 1, radial    |
| 1545766    | RI-43HA3S8-2F1024-H1181/N33/N42 | IP65      | 1024       | -          | 1/2"              | 5-30 VDC          | Push-Pull, HTL  | M12 x 1, radial    |
| 1546502    | RI-43HA4E2-2F1024-H1181/N33/N42 | IP65      | 1024       | -          | 5/8"              | 5-30 VDC          | Push-Pull, HTL  | M12 x 1, radial    |
| 1545803    | RI-43HA4E2-2F2048-H1181/N33/N42 | IP65      | 2048       | -          | 5/8"              | 5-30 VDC          | Push-Pull, HTL  | M12 x 1, radial    |
| 1546488    | RI-43HA6E2-2F1024-H1181/N33/N42 | IP65      | 1024       | -          | 1"                | 5-30 VDC          | Push-Pull, HTL  | M12 x 1, radial    |
| 1546487    | RI-43HA6E2-2F1024-H1181/N42     | IP65      | 1024       | -          | 1"                | 5-30 VDC          | Push-Pull, HTL  | M12 x 1, radial    |
| 1545802    | RI-43HA6E2-2F2048-H1181/N33/N42 | IP65      | 2048       | -          | 1"                | 5-30 VDC          | Push-Pull, HTL  | M12 x 1, radial    |
| 1545801    | RI-43HA6S8-2F1024-H1181/N29/N42 | IP65      | 1024       | -          | 1"                | 5-30 VDC          | Push-Pull, HTL  | M12 x 1, radial    |
| 1545860    | RI-43HA6S8-AA2048-12M23/N42     | IP65      | 2048       | -          | 1"                | 10-30 VDC         | SIN/COS         | M23, radial        |
| 1545640    | RI-43HA7S8-4A5000-H1181/N42     | IP65      | 5000       | -          | 1-1/8"            | 5 VDC             | Push-Pull, TTL  | M12 x 1, radial    |

# Sensors | Rotary Position

## Qtrack - Rotary Accessory



| Product ID | Product Description | Hollow Shaft Size | Details                          |
|------------|---------------------|-------------------|----------------------------------|
| 1545814    | RSA-12              | 12 mm             | RI-43 Isolation Insert           |
| 1545816    | RSA-14              | 14 mm             | RI-43 Isolation Insert           |
| 1545817    | RSA-15              | 15 mm             | RI-43 Isolation Insert           |
| 1545818    | RSA-A4              | 5/8"              | RI-43 Isolation Insert           |
| 1545819    | RSA-16              | 16 mm             | RI-43 Isolation Insert           |
| 1545820    | RSA-18              | 18 mm             | RI-43 Isolation Insert           |
| 1545821    | RSA-A5              | 3/4"              | RI-43 Isolation Insert           |
| 1545822    | RSA-20              | 20 mm             | RI-43 Isolation Insert           |
| 1545823    | RSA-25              | 25 mm             | RI-43 Isolation Insert           |
| 1545824    | RSA-A6              | 1"                | RI-43 Isolation Insert           |
| 1545825    | RSA-A7              | 1-1/8"            | RI-43 Isolation Insert           |
| 1545826    | RSA-30              | 30 mm             | RI-43 Isolation Insert           |
| 1545827    | RSA-A8              | 1-1/4"            | RI-43 Isolation Insert           |
| 1545828    | RSA-32              | 32 mm             | RI-43 Isolation Insert           |
| 1545829    | RSA-TAPER           | 17 mm tapered     | RI-43 Isolation Insert           |
| 1545909    | RA-43-S8            | -                 | RI-43 Long Tether Arm            |
| 1545910    | RA-43-S5            | -                 | RI-43 Short Anti-Rotation Spring |
| 1545911    | RA-43-S4            | -                 | RI-43 Long Anti-Rotation Spring  |
| 1545912    | RA-43-E2            | -                 | RI-43 4.5" C-Face Tether         |



# Connectivity



## Connectivity

### M8 Picofast Single Ended Cordsets



3 or 4-pin  
PVC or TPU cable jacket  
Rated for up to 125 V, 4 A  
NEMA 1, 3, 4, 6P and IEC IP67

| Item ID   | Product Description | Pin Count | Gender | Plug Body   | Cable Type | Coupling Nut Material | Cable Length |
|-----------|---------------------|-----------|--------|-------------|------------|-----------------------|--------------|
| U2515-29  | PKG 3M-2            | 3-pin     | Female | Straight    | PVC        | Nickel Plated Brass   | 2 m          |
| U2515-71  | PKG 3M-5            | 3-pin     | Female | Straight    | PVC        | Nickel Plated Brass   | 5 m          |
| U2515-22  | PKG 3M-10           | 3-pin     | Female | Straight    | PVC        | Nickel Plated Brass   | 10 m         |
| U2515-3   | PKG 3M-2/S90        | 3-pin     | Female | Straight    | TPU        | Nickel Plated Brass   | 2 m          |
| U2515-70  | PKG 3M-5/S90        | 3-pin     | Female | Straight    | TPU        | Nickel Plated Brass   | 5 m          |
| U2515-81  | PKG 3M-10/S90       | 3-pin     | Female | Straight    | TPU        | Nickel Plated Brass   | 10 m         |
| U0071-0   | PKW 3M-2            | 3-pin     | Female | Right Angle | PVC        | Nickel Plated Brass   | 2 m          |
| U0071-4   | PKW 3M-5            | 3-pin     | Female | Right Angle | PVC        | Nickel Plated Brass   | 5 m          |
| U0074-10  | PKW 3M-10           | 3-pin     | Female | Right Angle | PVC        | Nickel Plated Brass   | 10 m         |
| U0071     | PKW 3M-2/S90        | 3-pin     | Female | Right Angle | TPU        | Nickel Plated Brass   | 2 m          |
| U0071-3   | PKW 3M-5/S90        | 3-pin     | Female | Right Angle | TPU        | Nickel Plated Brass   | 5 m          |
| U0074-1   | PKW 3M-10/S90       | 3-pin     | Female | Right Angle | TPU        | Nickel Plated Brass   | 10 m         |
| U0135-6   | PSG 3M-2            | 3-pin     | Male   | Straight    | PVC        | Nickel Plated Brass   | 2 m          |
| U0135-66  | PSG 3M-5            | 3-pin     | Male   | Straight    | PVC        | Nickel Plated Brass   | 5 m          |
| U0135-5   | PSG 3M-10           | 3-pin     | Male   | Straight    | PVC        | Nickel Plated Brass   | 10 m         |
| U2503-14  | PKG 4M-2            | 4-pin     | Female | Straight    | PVC        | Nickel Plated Brass   | 2 m          |
| U0058-10  | PKG 4M-5            | 4-pin     | Female | Straight    | PVC        | Nickel Plated Brass   | 5 m          |
| U99-10780 | PKG 4M-10           | 4-pin     | Female | Straight    | PVC        | Nickel Plated Brass   | 10 m         |
| U2503-1   | PKG 4M-2/S90        | 4-pin     | Female | Straight    | TPU        | Nickel Plated Brass   | 2 m          |
| U0058-1   | PKG 4M-5/S90        | 4-pin     | Female | Straight    | TPU        | Nickel Plated Brass   | 5 m          |
| U3501-52  | PKW 4M-5            | 4-pin     | Female | Right Angle | PVC        | Nickel Plated Brass   | 5 m          |
| U99-11072 | PKW 4M-10           | 4-pin     | Female | Right Angle | PVC        | Nickel Plated Brass   | 10 m         |
| U0136-00  | PSG 4M-2            | 4-pin     | Male   | Straight    | PVC        | Nickel Plated Brass   | 2 m          |

### M8 Picofast Extension Cordsets



3 or 4-pin  
PVC or TPU cable jacket  
Rated for up to 125 V, 4 A  
NEMA 1, 3, 4, 6P and IEC IP67

| Item ID   | Product Description | Pin Count | Gender      | Plug Body | Cable Type | Coupling Nut Material | Cable Length |
|-----------|---------------------|-----------|-------------|-----------|------------|-----------------------|--------------|
| U2515-20  | PKG 3M-2-PSG 3M     | 3-pin     | Male/Female | Straight  | PVC        | Nickel Plated Brass   | 2 m          |
| U2516-35  | PKG 3M-5-PSG 3M     | 3-pin     | Male/Female | Straight  | PVC        | Nickel Plated Brass   | 5 m          |
| U0901-27  | PKG 3M-5-PSG 3M/S90 | 3-pin     | Male/Female | Straight  | TPU        | Nickel Plated Brass   | 5 m          |
| U99-10815 | PKG 4M-2-PSG 4M     | 4-pin     | Male/Female | Straight  | PVC        | Nickel Plated Brass   | 2 m          |
| U0881-44  | PKG 4M-5-PSG 4M     | 4-pin     | Male/Female | Straight  | PVC        | Nickel Plated Brass   | 5 m          |



## Connectivity

### M8 Picofast Receptacles



3 or 4-pin  
 Nickel plated brass or stainless steel housing material  
 Front or rear mounting options  
 Rated for up to 125 V, 4 A  
 NEMA 1, 3, 4, 6P and IEC IP67

| Item ID  | Product Description | Pin Count | Gender | Mounting Style | Housing Material    | Wire Length |
|----------|---------------------|-----------|--------|----------------|---------------------|-------------|
| U1014    | MFKS 3-0.2          | 3-pin     | Female | Front          | Nickel Plated Brass | 0.2 m       |
| U0591    | MFS 3F-0.2          | 3-pin     | Male   | Rear           | Nickel Plated Brass | 0.2 m       |
| U7800    | MFSS 3-0.2          | 3-pin     | Male   | Front          | Nickel Plated Brass | 0.2 m       |
| U0967-48 | MFSV 3F-0.2         | 3-pin     | Male   | Rear           | Stainless Steel     | 0.2 m       |
| U0967-45 | MFSSV 3-0.2         | 3-pin     | Male   | Front          | Stainless Steel     | 0.2 m       |
| U1012    | MFKS 4-0.2          | 4-pin     | Female | Front          | Nickel Plated Brass | 0.2 m       |
| U0611    | MFS 4F-0.2          | 4-pin     | Male   | Rear           | Nickel Plated Brass | 0.2 m       |
| U7801    | MFSS 4-0.2          | 4-pin     | Male   | Front          | Nickel Plated Brass | 0.2 m       |

### M8 Picofast Field Wireable

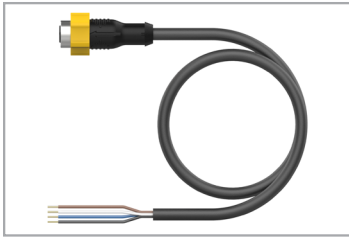


3 or 4-pin  
 Screw terminal termination style up to 22 AWG  
 3-5 mm cable diameter range  
 Rated for 60 VAC/75 VDC, 4 A  
 IEC IP67

| Item ID  | Product Description | Pin Count | Gender | Plug Body | Coupling Nut Material |
|----------|---------------------|-----------|--------|-----------|-----------------------|
| U0879-54 | B 5133-0            | 3-pin     | Female | Straight  | Nickel Plated Brass   |
| U6512    | BS 5133-0           | 3-pin     | Male   | Straight  | Nickel Plated Brass   |
| U0879-55 | B 5143-0            | 4-pin     | Female | Straight  | Nickel Plated Brass   |
| U6513    | BS 5143-0           | 4-pin     | Male   | Straight  | Nickel Plated Brass   |

# Connectivity

## M12 Eurofast Single Ended Cordsets - Redesign



3, 4 or 5-pin  
 Black PVC or TPU cable jacket  
 Nickel plated brass or stainless steel coupling nut  
 Black overmold  
 Rated for up to 250 V<sub>AC</sub>/300 V<sub>DC</sub> 4 A  
 NEMA 1, 3, 4, 6P, 12 and IEC IP67, IP68, IP69K

| Item ID   | Product Description | Pin Count | Gender | Plug Body   | Cable Type | Coupling Nut Material | Cable Length |
|-----------|---------------------|-----------|--------|-------------|------------|-----------------------|--------------|
| UX19107   | EKWT-A4.300-GC2K-2  | 3-pin     | Female | Right Angle | PVC        | Nickel Plated Brass   | 2 m          |
| UX19124   | EKWT-A4.300-GC2K-5  | 3-pin     | Female | Right Angle | PVC        | Nickel Plated Brass   | 5 m          |
| UX19140   | EKRT-A4.300-GC2K-10 | 3-pin     | Female | Straight    | PVC        | Nickel Plated Brass   | 10 m         |
| UX19106   | EKRT-A4.300-GC2K-2  | 3-pin     | Female | Straight    | PVC        | Nickel Plated Brass   | 2 m          |
| UX19123   | EKRT-A4.300-GC2K-5  | 3-pin     | Female | Straight    | PVC        | Nickel Plated Brass   | 5 m          |
| 100013963 | EKRT-A4.300-GU2K-10 | 4-pin     | Female | Straight    | TPU        | Nickel Plated Brass   | 10 m         |
| 100013961 | EKRT-A4.300-GU2K-2  | 3-pin     | Female | Straight    | TPU        | Nickel Plated Brass   | 2 m          |
| 100013962 | EKRT-A4.300-GU2K-5  | 3-pin     | Female | Straight    | TPU        | Nickel Plated Brass   | 5 m          |
| 100013957 | ESRT-A4.300-GC2K-10 | 3-pin     | Male   | Straight    | PVC        | Nickel Plated Brass   | 10 m         |
| 100013955 | ESRT-A4.300-GC2K-2  | 3-pin     | Male   | Straight    | PVC        | Nickel Plated Brass   | 2 m          |
| 100013956 | ESRT-A4.300-GC2K-5  | 3-pin     | Male   | Straight    | PVC        | Nickel Plated Brass   | 5 m          |
| UX19139   | EKWT-A4.400-GC2K-10 | 4-pin     | Female | Right Angle | PVC        | Nickel Plated Brass   | 10 m         |
| UX19139   | EKWT-A4.400-GC2K-10 | 4-pin     | Female | Right Angle | PVC        | Nickel Plated Brass   | 10 m         |
| UX19105   | EKWT-A4.400-GC2K-2  | 4-pin     | Female | Right Angle | PVC        | Nickel Plated Brass   | 2 m          |
| UX19105   | EKWT-A4.400-GC2K-2  | 4-pin     | Female | Right Angle | PVC        | Nickel Plated Brass   | 2 m          |
| UX19122   | EKWT-A4.400-GC2K-5  | 4-pin     | Female | Right Angle | PVC        | Nickel Plated Brass   | 5 m          |
| UX19122   | EKWT-A4.400-GC2K-5  | 4-pin     | Female | Right Angle | PVC        | Nickel Plated Brass   | 5 m          |
| UX19137   | EKRT-A4.400-GC2K-10 | 4-pin     | Female | Straight    | PVC        | Nickel Plated Brass   | 10 m         |
| UX19103   | EKRT-A4.400-GC2K-2  | 4-pin     | Female | Straight    | PVC        | Nickel Plated Brass   | 2 m          |
| UX19120   | EKRT-A4.400-GC2K-5  | 4-pin     | Female | Straight    | PVC        | Nickel Plated Brass   | 5 m          |
| 100021000 | EKRV-A4.400-GC2K-10 | 4-pin     | Female | Straight    | PVC        | Stainless Steel       | 10 m         |
| 100020998 | EKRV-A4.400-GC2K-2  | 4-pin     | Female | Straight    | PVC        | Stainless Steel       | 2 m          |
| 100020999 | EKRV-A4.400-GC2K-5  | 4-pin     | Female | Straight    | PVC        | Stainless Steel       | 5 m          |
| UX19152   | EKRT-A4.400-GU2K-10 | 4-pin     | Female | Straight    | TPU        | Nickel Plated Brass   | 10 m         |
| UX19118   | EKRT-A4.400-GU2K-2  | 4-pin     | Female | Straight    | TPU        | Nickel Plated Brass   | 2 m          |
| UX19135   | EKRT-A4.400-GU2K-5  | 4-pin     | Female | Straight    | TPU        | Nickel Plated Brass   | 5 m          |
| UX19138   | ESRT-A4.400-GC2K-10 | 4-pin     | Male   | Straight    | PVC        | Nickel Plated Brass   | 10 m         |
| UX19104   | ESRT-A4.400-GC2K-2  | 4-pin     | Male   | Straight    | PVC        | Nickel Plated Brass   | 2 m          |
| UX19121   | ESRT-A4.400-GC2K-5  | 4-pin     | Male   | Straight    | PVC        | Nickel Plated Brass   | 5 m          |
| UX19148   | EKWT-A5.500-GC2K-10 | 5-pin     | Female | Right Angle | PVC        | Nickel Plated Brass   | 10 m         |
| UX19114   | EKWT-A5.500-GC2K-2  | 5-pin     | Female | Right Angle | PVC        | Nickel Plated Brass   | 2 m          |
| UX19131   | EKWT-A5.500-GC2K-5  | 5-pin     | Female | Right Angle | PVC        | Nickel Plated Brass   | 5 m          |
| 100021193 | EKWV-A5.500-GC2K-2  | 5-pin     | Female | Right Angle | PVC        | Stainless Steel       | 2 m          |
| 100021194 | EKWV-A5.500-GC2K-5  | 5-pin     | Female | Right Angle | PVC        | Stainless Steel       | 5 m          |
| UX19142   | EKRT-A5.500-GC2K-10 | 5-pin     | Female | Straight    | PVC        | Nickel Plated Brass   | 10 m         |
| UX19108   | EKRT-A5.500-GC2K-2  | 5-pin     | Female | Straight    | PVC        | Nickel Plated Brass   | 2 m          |
| UX19125   | EKRT-A5.500-GC2K-5  | 5-pin     | Female | Straight    | PVC        | Nickel Plated Brass   | 5 m          |
| 100021004 | EKRV-A5.500-GC2K-10 | 5-pin     | Female | Straight    | PVC        | Stainless Steel       | 10 m         |



# Connectivity

## M12 Eurofast Single Ended Cordsets - Redesign (continued)

| Item ID   | Product Description | Pin Count | Gender | Plug Body | Cable Type | Coupling Nut Material | Cable Length |
|-----------|---------------------|-----------|--------|-----------|------------|-----------------------|--------------|
| 100021002 | EKRV-A5.500-GC2K-2  | 5-pin     | Female | Straight  | PVC        | Stainless Steel       | 2 m          |
| 100021003 | EKRV-A5.500-GC2K-5  | 5-pin     | Female | Straight  | PVC        | Stainless Steel       | 5 m          |
| UX19115   | ESRT-A5.500-GC2K-2  | 5-pin     | Male   | Straight  | PVC        | Nickel Plated Brass   | 2 m          |
| UX19132   | ESRT-A5.500-GC2K-5  | 5-pin     | Male   | Straight  | PVC        | Nickel Plated Brass   | 5 m          |

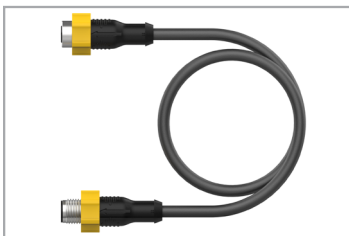
## M12 Eurofast Single Ended Cordsets - Legacy



**8-pin**  
**Rated for up to 75 V, 2A**  
**NEMA 1, 3, 4, 6P and IEC IP68**

| Item ID  | Product Description | Pin Count | Gender | Plug Body | Plug Body Color | Cable Type | Cable Color | Coupling Nut Material | Cable Length |
|----------|---------------------|-----------|--------|-----------|-----------------|------------|-------------|-----------------------|--------------|
| U5311-50 | RKC 8T-2            | 8-pin     | Female | Straight  | Yellow          | PVC        | Gray        | Nickel Plated Brass   | 2 m          |
| U5311-52 | RKC 8T-5            | 8-pin     | Female | Straight  | Yellow          | PVC        | Gray        | Nickel Plated Brass   | 5 m          |
| U5311-73 | RKC 8T-10           | 8-pin     | Female | Straight  | Yellow          | PVC        | Gray        | Nickel Plated Brass   | 10 m         |
| U2143-66 | RSC 8T-2            | 8-pin     | Male   | Straight  | Yellow          | PVC        | Gray        | Nickel Plated Brass   | 2 m          |
| U0894-04 | RSC 8T-5            | 8-pin     | Male   | Straight  | Yellow          | PVC        | Gray        | Nickel Plated Brass   | 5 m          |

## M12 Eurofast Extension Cordsets - Redesign



**3, 4, 5-pin**  
**Black PVC or TPU cable jacket**  
**Nickel plated brass or stainless steel coupling nut**  
**Black overmold**  
**Rated for up to 250 V<sub>AC</sub>/300 V<sub>DC</sub>, 4 A**  
**NEMA 1, 3, 4, 6P, 12 and IEC IP67, IP68, IP69K**

| Item ID   | Product Description     | Pin Count | Gender      | Plug Body | Cable Type | Coupling Nut Material | Cable Length |
|-----------|-------------------------|-----------|-------------|-----------|------------|-----------------------|--------------|
| 100006874 | EKRT-ESRT-A4.400-GC2K-1 | 4-pin     | Female/Male | Straight  | PVC        | Nickel Plated Brass   | 1 m          |
| UX19102   | EKRT-ESRT-A4.400-GC2K-2 | 4-pin     | Female/Male | Straight  | PVC        | Nickel Plated Brass   | 2 m          |
| 100021006 | EKRV-ESRV-A4.400-GC2K-2 | 4-pin     | Female/Male | Straight  | PVC        | Stainless Steel       | 2 m          |
| 100021007 | EKRV-ESRV-A4.400-GC2K-5 | 4-pin     | Female/Male | Straight  | PVC        | Stainless Steel       | 5 m          |
| U2-33549  | EKRT-ESRT-A4.400-GU2K-1 | 4-pin     | Female/Male | Straight  | TPU        | Nickel Plated Brass   | 1 m          |
| UX16678   | EKRT-ESRT-A4.400-GU2K-2 | 4-pin     | Female/Male | Straight  | TPU        | Nickel Plated Brass   | 2 m          |
| 100013872 | EKRT-ESRT-A4.400-GU2K-5 | 4-pin     | Female/Male | Straight  | TPU        | Nickel Plated Brass   | 5 m          |
| 100005383 | EKRT-ESRT-A5.500-GC2K-1 | 5-pin     | Female/Male | Straight  | PVC        | Nickel Plated Brass   | 1 m          |
| UX19110   | EKRT-ESRT-A5.500-GC2K-2 | 5-pin     | Female/Male | Straight  | PVC        | Nickel Plated Brass   | 2 m          |
| 100021191 | EKRV-ESRV-A5.500-GC2K-5 | 5-pin     | Female/Male | Straight  | PVC        | Stainless Steel       | 5 m          |





# Connectivity

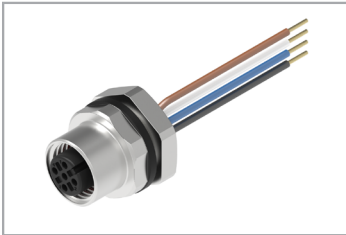
## M12 Eurofast Extension Cordsets - Legacy



Rated for up to 75 V, 2 A  
NEMA 1, 3, 4, 6P and IEC IP68

| Item ID   | Product Description | Pin Count | Gender      | Plug Body | Plug Body Color | Cable Type | Coupling Nut Material | Cable Length |
|-----------|---------------------|-----------|-------------|-----------|-----------------|------------|-----------------------|--------------|
| U5311-561 | RKC 8T-1-RSC 8T     | 8-pin     | Male/Female | Straight  | Yellow          | PVC        | Nickel Plated Brass   | 1 m          |
| U5311-56  | RKC 8T-2-RSC 8T     | 8-pin     | Male/Female | Straight  | Yellow          | PVC        | Nickel Plated Brass   | 2 m          |
| U0932-32  | RKC 8T-5-RSC 8T     | 8-pin     | Male/Female | Straight  | Yellow          | PVC        | Nickel Plated Brass   | 5 m          |

## M12 Eurofast Receptacles - Redesign



3, 4, 5-pin  
Nickel plated brass or stainless steel coupling nut  
Front or rear mounting options  
Rated for up to 250 V<sub>AC</sub>/300 V<sub>DC</sub> 4 A  
NEMA 1, 3, 4, 6P, 12 and IEC IP67, IP68, IP69K

| Item ID   | Product Description | Pin Count | Gender | Mounting Style | Housing Material    | Wire Length | Mounting Thread |
|-----------|---------------------|-----------|--------|----------------|---------------------|-------------|-----------------|
| 100007272 | EFKBQ-A4.400.2-0.5  | 4-pin     | Female | Front          | Nickel Plated Brass | 0.5 m       | 1/4-18 NPT      |
| 100007299 | EFKBH-A4.400.2-0.5  | 4-pin     | Female | Front          | Nickel Plated Brass | 0.5 m       | 1/2-14 NPT      |
| 100012205 | ERKBG-A4.400.2-0.5  | 4-pin     | Female | Rear           | Nickel Plated Brass | 0.5 m       | PG 9            |
| 100012567 | EFKVG-A4.400.2-0.5  | 4-pin     | Female | Front          | Stainless Steel     | 0.5 m       | PG 9            |
| 100012211 | EFSBG-A4.400.2-0.5  | 4-pin     | Male   | Front          | Nickel Plated Brass | 0.5 m       | PG 9            |
| 100007274 | EFSBQ-A4.400.2-0.5  | 4-pin     | Male   | Front          | Nickel Plated Brass | 0.5 m       | 1/4-18 NPT      |
| 100007301 | EFSBH-A4.400.2-0.5  | 4-pin     | Male   | Front          | Nickel Plated Brass | 0.5 m       | 1/2-14 NPT      |
| 100012210 | ERSBG-A4.400.2-0.5  | 4-pin     | Male   | Rear           | Nickel Plated Brass | 0.5 m       | PG 9            |
| 100007815 | EFSVG-A4.400.2-0.5  | 4-pin     | Male   | Front          | Stainless Steel     | 0.5 m       | PG 9            |
| 100012580 | EFSVQ-A4.400.2-0.5  | 4-pin     | Male   | Front          | Stainless Steel     | 0.5 m       | 1/4-18 NPT      |
| 100012582 | EFSVH-A4.400.2-0.5  | 4-pin     | Male   | Front          | Stainless Steel     | 0.5 m       | 1/2-14 NPT      |
| 100012570 | ERSVG-A4.400.2-0.5  | 4-pin     | Male   | Rear           | Stainless Steel     | 0.5 m       | PG 9            |
| 100005780 | EFKBG-A5.500.2-0.5  | 5-pin     | Female | Front          | Nickel Plated Brass | 0.5 m       | PG 9            |
| 100010570 | EFKBQ-A5.500.2-0.5  | 5-pin     | Female | Front          | Nickel Plated Brass | 0.5 m       | 1/4-18 NPT      |
| 100021177 | EFKBH-A5.500.2-0.5  | 5-pin     | Female | Front          | Nickel Plated Brass | 0.5 m       | 1/2-14 NPT      |
| 100012194 | ERKBG-A5.500.2-0.5  | 5-pin     | Female | Rear           | Nickel Plated Brass | 0.5 m       | PG 9            |
| 100012574 | EFKVG-A5.500.2-0.5  | 5-pin     | Female | Front          | Stainless Steel     | 0.5 m       | PG 9            |
| 100012213 | EFSBG-A5.500.2-0.5  | 5-pin     | Male   | Front          | Nickel Plated Brass | 0.5 m       | PG 9            |
| 100010567 | EFSBQ-A5.500.2-0.5  | 5-pin     | Male   | Front          | Nickel Plated Brass | 0.5 m       | 1/4-18 NPT      |
| 100012578 | EFSBH-A5.500.2-0.5  | 5-pin     | Male   | Front          | Nickel Plated Brass | 0.5 m       | 1/2-14 NPT      |
| 100012193 | ERSBG-A5.500.2-0.5  | 5-pin     | Male   | Rear           | Nickel Plated Brass | 0.5 m       | PG 9            |
| 100012572 | EFSVG-A5.500.2-0.5  | 5-pin     | Male   | Front          | Stainless Steel     | 0.5 m       | PG 9            |
| 100012584 | EFSVQ-A5.500.2-0.5  | 5-pin     | Male   | Front          | Stainless Steel     | 0.5 m       | 1/4-18 NPT      |
| 100021196 | EFSVH-A5.500.2-0.5  | 5-pin     | Male   | Front          | Stainless Steel     | 0.5 m       | 1/2-14 NPT      |
| 100012576 | ERSVG-A5.500.2-0.5  | 5-pin     | Male   | Rear           | Stainless Steel     | 0.5 m       | PG 9            |

# Connectivity

## M12 Eurofast Receptacles - Legacy



4 or 8-pin  
 Nickel plated brass or stainless steel housing material  
 Front, rear, or feed-thru mounting options  
 Rated for up to 250 V, 4 A  
 NEMA 1, 3, 4, 6P and IEC IP68

| Item ID  | Product Description | Pin Count | Gender         | Mounting Style | Housing Material    | Wire Length |
|----------|---------------------|-----------|----------------|----------------|---------------------|-------------|
| U1135-1  | FK FS 4.4/M12       | 4-pin     | Male to Female | Feed-Thru      | Nickel Plated Brass | -           |
| U0912-74 | FKV FSV 4.4/M12     | 4-pin     | Male to Female | Feed-Thru      | Stainless Steel     | -           |
| U1135    | FK FS 4.5/M12       | 5-pin     | Male to Female | Feed-Thru      | Nickel Plated Brass | -           |
| U2-05377 | FKV FSV 4.5/M12     | 5-pin     | Male to Female | Feed-Thru      | Stainless Steel     | -           |
| U1132-02 | FK 8-0.5            | 8-pin     | Female         | Front          | Nickel Plated Brass | 0.5 m       |
| U1132-04 | FK 8-0.5/18.25      | 8-pin     | Female         | Front          | Nickel Plated Brass | 0.5 m       |
| U2-08347 | FK 8-0.5/14.5/NPT   | 8-pin     | Female         | Front          | Nickel Plated Brass | 0.5 m       |
| U4501-2  | FKFD 8-0.5          | 8-pin     | Female         | Rear           | Nickel Plated Brass | 0.5 m       |
| U1130-2  | FS 8-0.5            | 8-pin     | Male           | Front          | Nickel Plated Brass | 0.5 m       |
| U1130-23 | FS 8-0.5/18.25      | 8-pin     | Male           | Front          | Nickel Plated Brass | 0.5 m       |
| U0958-74 | FS 8-0.5/14.5/NPT   | 8-pin     | Male           | Front          | Nickel Plated Brass | 0.5 m       |
| U1130-60 | FSFD 8-0.5          | 8-pin     | Male           | Rear           | Nickel Plated Brass | 0.5 m       |
| U1135-3  | FK FS 8/M12         | 8-pin     | Male to Female | Feed-Thru      | Nickel Plated Brass | -           |

## M12 Eurofast PCB Pin Receptacles



4, 5, or 8-pin  
 Nickel plated brass housing material  
 Rear mount  
 Rated for up to 250 V, 4 A  
 NEMA 1, 3, 4, 6P and IEC IP68

| Item ID  | Product Description | Pin Count | Gender | Mounting Style | Housing Material    | Pin Style |
|----------|---------------------|-----------|--------|----------------|---------------------|-----------|
| U4490    | FKFD 4.4            | 4-pin     | Female | Rear           | Nickel Plated Brass | Long Pin  |
| U5118-4  | FSFD 4.4            | 4-pin     | Male   | Rear           | Nickel Plated Brass | Long Pin  |
| U4506-1  | FKFDK 4.5           | 5-pin     | Female | Rear           | Nickel Plated Brass | Short Pin |
| U4500    | FKFD 4.5            | 5-pin     | Female | Rear           | Nickel Plated Brass | Long Pin  |
| U0884-52 | FSFDK 4.5           | 5-pin     | Male   | Rear           | Nickel Plated Brass | Short Pin |
| U5118-51 | FSFD 4.5            | 5-pin     | Male   | Rear           | Nickel Plated Brass | Long Pin  |
| U2-11606 | FKFDK 8-PCB         | 8-pin     | Female | Rear           | Nickel Plated Brass | Short Pin |
| U4501-3  | FKFD 8              | 8-pin     | Female | Rear           | Nickel Plated Brass | Long Pin  |
| U2-09449 | FSFDK 8-PCB         | 8-pin     | Male   | Rear           | Nickel Plated Brass | Short Pin |
| U4501-4  | FSFD 8              | 8-pin     | Male   | Rear           | Nickel Plated Brass | Long Pin  |



## Connectivity

### M12 Eurofast Field Wireable



4 or 5-pin  
Straight and right angle  
Screw terminal termination style up to 22 AWG  
4-6 mm and 6-8 mm cable diameter range  
Rated for 250 V, 4 A  
IEC IP67

| Item ID | Product Description | Pin Count | Gender | Plug Body   | Coupling Nut Material |
|---------|---------------------|-----------|--------|-------------|-----------------------|
| U6545   | B 8141-0            | 4-pin     | Female | Straight    | Nylon                 |
| U6547   | B 8141-0/PG 9       | 4-pin     | Female | Straight    | Nylon                 |
| U6555   | B 8241-0            | 4-pin     | Female | Right Angle | Nylon                 |
| U6550   | BS 8141-0           | 4-pin     | Male   | Straight    | Nickel Plated Brass   |
| U6551   | BS 8141-0/PG 9      | 4-pin     | Male   | Straight    | Nickel Plated Brass   |
| U6560   | BS 8241-0           | 4-pin     | Male   | Right Angle | Nickel Plated Brass   |
| U6565   | B 8151-0/PG9        | 5-pin     | Female | Straight    | Nylon                 |
| U6575   | B 8251-0/PG9        | 5-pin     | Female | Right Angle | Nylon                 |
| U6570   | BS 8151-0/PG9       | 5-pin     | Male   | Straight    | Nickel Plated Brass   |
| U6580   | BS 8251-0/PG9       | 5-pin     | Male   | Right Angle | Nickel Plated Brass   |

### 7/8" Minifast Single Ended Cordsets



3, 4, or 5-pin  
Nickel plated brass coupling nut  
Yellow PVC cable jacket  
16 AWG or 18 AWG wire options  
Rated for up to 10 A, 600 V  
NEMA 1, 3, 4, 6P and IEC IP67

| Item ID  | Product Description | Pin Count | Gender | Plug Body | Cable Type | Coupling Nut Material | Cable Length |
|----------|---------------------|-----------|--------|-----------|------------|-----------------------|--------------|
| U2027    | RKM 30-2M           | 3-pin     | Female | Straight  | PVC        | Nickel Plated Brass   | 2 m          |
| U5001    | RKM 36-2M           | 3-pin     | Female | Straight  | PVC        | Nickel Plated Brass   | 2 m          |
| U2029-0  | RKM 30-5M           | 3-pin     | Female | Straight  | PVC        | Nickel Plated Brass   | 5 m          |
| U2032-0  | RKM 30-10M          | 3-pin     | Female | Straight  | PVC        | Nickel Plated Brass   | 10 m         |
| U5014-7  | RKM 36-10M          | 3-pin     | Female | Straight  | PVC        | Nickel Plated Brass   | 10 m         |
| U2075-2  | RSM 30-2M           | 3-pin     | Male   | Straight  | PVC        | Nickel Plated Brass   | 2 m          |
| U2081-1  | RSM 36-2M           | 3-pin     | Male   | Straight  | PVC        | Nickel Plated Brass   | 2 m          |
| U2043    | RKM 40-2M           | 4-pin     | Female | Straight  | PVC        | Nickel Plated Brass   | 2 m          |
| U5078    | RKM 46-2M           | 4-pin     | Female | Straight  | PVC        | Nickel Plated Brass   | 2 m          |
| U2045-05 | RKM 40-5M           | 4-pin     | Female | Straight  | PVC        | Nickel Plated Brass   | 5 m          |
| U5081    | RKM 46-5M           | 4-pin     | Female | Straight  | PVC        | Nickel Plated Brass   | 5 m          |
| U2048    | RKM 40-10M          | 4-pin     | Female | Straight  | PVC        | Nickel Plated Brass   | 10 m         |
| U5082-1  | RKM 46-10M          | 4-pin     | Female | Straight  | PVC        | Nickel Plated Brass   | 10 m         |
| U2084-1  | RSM 40-2M           | 4-pin     | Male   | Straight  | PVC        | Nickel Plated Brass   | 2 m          |
| U2118    | RSM 46-2M           | 4-pin     | Male   | Straight  | PVC        | Nickel Plated Brass   | 2 m          |
| U2056    | RKM 50-2M           | 5-pin     | Female | Straight  | PVC        | Nickel Plated Brass   | 2 m          |
| U5122    | RKM 56-2M           | 5-pin     | Female | Straight  | PVC        | Nickel Plated Brass   | 2 m          |
| U2059    | RKM 50-5M           | 5-pin     | Female | Straight  | PVC        | Nickel Plated Brass   | 5 m          |
| U2060    | RKM 50-10M          | 5-pin     | Female | Straight  | PVC        | Nickel Plated Brass   | 10 m         |



## Connectivity

### 7/8" Minifast Extension Cordsets



3, 4, or 5-pin  
 Nickel plated brass coupling nut  
 Yellow PVC cable jacket  
 16 AWG or 18 AWG wire options  
 Rated for up to 10 A, 600 V  
 NEMA 1, 3, 4, 6P and IEC IP67

| Item ID  | Product Description | Pin Count | Gender      | Plug Body | Cable Type | Coupling Nut Material | Cable Length |
|----------|---------------------|-----------|-------------|-----------|------------|-----------------------|--------------|
| U2255    | RSM RKM 30-2M       | 3-pin     | Male/Female | Straight  | PVC        | Nickel Plated Brass   | 2 m          |
| U2260-2  | RSM RKM 36-2M       | 3-pin     | Male/Female | Straight  | PVC        | Nickel Plated Brass   | 2 m          |
| U2257    | RSM RKM 30-5M       | 3-pin     | Male/Female | Straight  | PVC        | Nickel Plated Brass   | 5 m          |
| U2260-00 | RSM RKM 36-5M       | 3-pin     | Male/Female | Straight  | PVC        | Nickel Plated Brass   | 5 m          |
| U2280-0  | RSM RKM 40-2M       | 4-pin     | Male/Female | Straight  | PVC        | Nickel Plated Brass   | 2 m          |
| U2283-2  | RSM RKM 46-2M       | 4-pin     | Male/Female | Straight  | PVC        | Nickel Plated Brass   | 2 m          |
| U2281    | RSM RKM 40-5M       | 4-pin     | Male/Female | Straight  | PVC        | Nickel Plated Brass   | 5 m          |
| U2281-30 | RSM RKM 46-5M       | 4-pin     | Male/Female | Straight  | PVC        | Nickel Plated Brass   | 5 m          |
| U2282-0  | RSM RKM 50-2M       | 5-pin     | Male/Female | Straight  | PVC        | Nickel Plated Brass   | 2 m          |
| U2293    | RSM RKM 56-2M       | 5-pin     | Male/Female | Straight  | PVC        | Nickel Plated Brass   | 2 m          |
| U2282    | RSM RKM 50-5M       | 5-pin     | Male/Female | Straight  | PVC        | Nickel Plated Brass   | 5 m          |

### 7/8" Minifast Receptacles



3, 4, or 5-pin  
 Nickel plated brass housing material  
 16 AWG or 18 AWG wire options  
 Front or feed-thru mounting options  
 Rated for up to 10 A, 600 V  
 NEMA 1, 3, 4, 6P and IEC IP67

| Item ID  | Product Description | Pin Count | Gender         | Mounting Style | Housing Material | Wire Length |
|----------|---------------------|-----------|----------------|----------------|------------------|-------------|
| U2456    | RKF 30-1M           | 3-pin     | Female         | 18 AWG         | Front            | 1 m         |
| U5502    | RKF 36-1M           | 3-pin     | Female         | 16 AWG         | Front            | 1 m         |
| U5502-01 | RKF 36-1M/NPT       | 3-pin     | Female         | 16 AWG         | Front            | 1 m         |
| U2306-2  | RSF 30-1M           | 3-pin     | Male           | 18 AWG         | Front            | 1 m         |
| U5202    | RSF 36-1M           | 3-pin     | Male           | 16 AWG         | Front            | 1 m         |
| U5202-02 | RSF 36-1M/NPT       | 3-pin     | Male           | 16 AWG         | Front            | 1 m         |
| U2309-46 | RSF RKF 30/22       | 3-pin     | Male to Female | 18 AWG         | Feed-Thru        | -           |
| U2303-1  | RKF 40-1M           | 4-pin     | Female         | 18 AWG         | Front            | 1 m         |
| U0884-85 | RKF 40-1M/NPT       | 4-pin     | Female         | 18 AWG         | Front            | 1 m         |
| U5504    | RKF 46-1M           | 4-pin     | Female         | 16 AWG         | Front            | 1 m         |
| U5504-05 | RKF 46-1M/NPT       | 4-pin     | Female         | 16 AWG         | Front            | 1 m         |
| U2347    | RSF 40-1M           | 4-pin     | Male           | 18 AWG         | Front            | 1 m         |
| U0909-79 | RSF 40-1M/NPT       | 4-pin     | Male           | 18 AWG         | Front            | 1 m         |
| U5204    | RSF 46-1M           | 4-pin     | Male           | 16 AWG         | Front            | 1 m         |
| U5204-05 | RSF 46-1M/NPT       | 5-pin     | Male           | 16 AWG         | Front            | 1 m         |
| U2309-47 | RSF RKF 40/22       | 4-pin     | Male to Female | 18 AWG         | Feed-Thru        | -           |
| U2335    | RKF 50-1M           | 5-pin     | Female         | 18 AWG         | Front            | 1 m         |



## Connectivity

### 7/8" Minifast Receptacles (continued)

| Item ID  | Product Description | Pin Count | Gender         | Mounting Style | Housing Material | Wire Length |
|----------|---------------------|-----------|----------------|----------------|------------------|-------------|
| U0893-90 | RKF 50-1M/NPT       | 5-pin     | Female         | 18 AWG         | Front            | 1 m         |
| U5508    | RKF 56-1M           | 5-pin     | Female         | 16 AWG         | Front            | 1 m         |
| U2309-39 | RSF 50-1M           | 5-pin     | Male           | 18 AWG         | Front            | 1 m         |
| U0902-55 | RSF 50-1M/NPT       | 5-pin     | Male           | 18 AWG         | Front            | 1 m         |
| U5208    | RSF 56-1M           | 5-pin     | Male           | 16 AWG         | Front            | 1 m         |
| U5208-04 | RSF 56-1M/NPT       | 5-pin     | Male           | 16 AWG         | Front            | 1 m         |
| U2309-5  | RSF RKF 50/22       | 5-pin     | Male to Female | 18 AWG         | Feed-Thru        | -           |

### 7/8" Minifast Field Wireable



3, 4, or 5-pin  
Screw terminal termination style up to 22 AWG  
6-8 mm and 10-12 mm cable diameter range  
Rated for up to 12 A, 250 V  
IEC IP67

| Item ID | Product Description | Pin Count | Gender | Plug Body | Coupling Nut Material      |
|---------|---------------------|-----------|--------|-----------|----------------------------|
| U6310   | B 4131-0/9          | 3-pin     | Female | Straight  | Nickel Plated Diecast Zinc |
| U6310-1 | B 4131-0/13.5       | 3-pin     | Female | Straight  | Nickel Plated Diecast Zinc |
| U6315   | BS 4131-0/9         | 3-pin     | Male   | Straight  | Nickel Plated Diecast Zinc |
| U6315-1 | BS 4131-0/13.5      | 3-pin     | Male   | Straight  | Nickel Plated Diecast Zinc |
| U6410   | B 4141-0/9          | 4-pin     | Female | Straight  | Nickel Plated Diecast Zinc |
| U6413   | B 4141-0/13.5       | 4-pin     | Female | Straight  | Nickel Plated Diecast Zinc |
| U6415   | BS 4141-0/9         | 4-pin     | Male   | Straight  | Nickel Plated Diecast Zinc |
| U6415-0 | BS 4141-0/13.5      | 4-pin     | Male   | Straight  | Nickel Plated Diecast Zinc |
| U6417   | B 4151-0/9          | 5-pin     | Female | Straight  | Nickel Plated Diecast Zinc |
| U6420   | B 4151-0/13.5       | 5-pin     | Female | Straight  | Nickel Plated Diecast Zinc |
| U6419   | BS 4151-0/9         | 5-pin     | Male   | Straight  | Nickel Plated Diecast Zinc |
| U6422   | BS 4151-0/13.5      | 5-pin     | Male   | Straight  | Nickel Plated Diecast Zinc |



## Connectivity

### M12 Eurofast Junction Box



4, 6, and 8-port M12 boxes  
 Consolidate up to 16 I/O signals  
 Option for one or two signals per port; with or without LEDs  
 M23 home-run connector, 12-pin or 19-pin  
 Nickel plated brass threaded inserts  
 Rated for 10-30 VDC; 2 A per signal and 9 A total  
 IEC IP67, IP69K (when all ports are connected or covered with caps)

| Item ID  | Product Description | # of Ports | Signals Per Port           | Homerun Connector          |
|----------|---------------------|------------|----------------------------|----------------------------|
| E8033446 | 4MB12Z-5-CS19H      | 4-Port     | 2 Signals Per Port         | Side Exit 19-Pin Multifast |
| E8026485 | 4MB12Z-5P3-CS19     | 4-Port     | 2 Signals Per Port/PNP LED | Top Exit 19-Pin Multifast  |
| E8026486 | 4MB12Z-5P3-CS19H    | 4-Port     | 2 Signals Per Port/PNP LED | Side Exit 19-Pin Multifast |
| E8026483 | 8MB12Z-4P2-CS12     | 8-Port     | 1 Signal Per Port/PNP LED  | Top Exit 12-Pin Multifast  |
| E8026484 | 8MB12Z-4P2-CS12H    | 8-Port     | 1 Signal Per Port/PNP LED  | Side Exit 12-Pin Multifast |
| E8028572 | 8MB12Z-5-CS19       | 8-Port     | 2 Signals Per Port         | Top Exit 19-Pin Multifast  |
| E8033448 | 8MB12Z-5-CS19H      | 8-Port     | 2 Signals Per Port         | Side Exit 19-Pin Multifast |
| E8026481 | 8MB12Z-5P3-CS19     | 8-Port     | 2 Signals Per Port/PNP LED | Top Exit 19-Pin Multifast  |
| E8026482 | 8MB12Z-5P3-CS19H    | 8-Port     | 2 Signals Per Port/PNP LED | Side Exit 19-Pin Multifast |

### M23 Multifast Single Ended Cordsets



12 or 19-pin  
 Nickel plated brass coupling nut  
 Suitable for use with M12 Eurofast junction boxes  
 Yellow PVC cable jacket  
 12-pin rated for 300 V, 6 A; 19-pin rated for 150 V, 9 A (18 AWG), 2 A (22 AWG)  
 IEC IP67

| Item ID  | Product Description | Pin Count | Gender | Plug Body | Cable Type | Coupling Nut Material | Cable Length |
|----------|---------------------|-----------|--------|-----------|------------|-----------------------|--------------|
| U4708-28 | CKCM 12-11-5        | 12-pin    | Female | Straight  | PVC        | Nickel Plated Brass   | 5 m          |
| U4701-03 | CKM 19-19-5         | 19-pin    | Female | Straight  | PVC        | Nickel Plated Brass   | 5 m          |
| U4704-10 | CKM 19-19-10        | 19-pin    | Female | Straight  | PVC        | Nickel Plated Brass   | 10 m         |

### M23 Multifast Receptacles



12 or 19-pin  
 Nickel plated brass housing material  
 Front mount  
 12-pin rated for 300 V, 6 A; 19-pin rated for 150 V, 9 A (18 AWG), 2 A (22 AWG)  
 IEC IP67

| Item ID | Product Description | Pin Count | Gender | Mounting Style | Housing Material    | Wire Length |
|---------|---------------------|-----------|--------|----------------|---------------------|-------------|
| U4664   | CKF 19-19-1         | 19-pin    | Female | Front          | Nickel Plated Brass | 1           |

# Connectivity

## M12 Eurofast VB2 Splitters



M12 connectors, either integral to splitter body or with cable  
Standard, parallel, or series wiring options (4 or 5-wires)  
Rated for 250 V, 4 A  
IEC IP67

| Item ID | Product Description       | Homerun Connector | Port Connectors | Wiring   |
|---------|---------------------------|-------------------|-----------------|----------|
| U0098   | VB2-FSM 4.4/2FKM 4        | Integral M12      | Integral M12    | Standard |
| U0098-1 | VB2-FSM 4.4/2FKM 4.4/S651 | Integral M12      | Integral M12    | Parallel |
| U0100-1 | VB2-FSM 4.4/2FKM 4/S719   | Integral M12      | Integral M12    | Series   |
| U0098-2 | VB2-FSM 4.5/2FKM 4.5/S651 | Integral M12      | Integral M12    | Parallel |

## M12 Eurofast and YBZ2 Splitters



M12 and M8 connector options, integral to splitter body  
Standard wiring  
Rated for up to 30 V, 4 A  
IEC IP67

| Item ID  | Product Description        | Homerun Connector | Port Connectors | Wiring   |
|----------|----------------------------|-------------------|-----------------|----------|
| U0977-78 | YB2-FSM 4.4/2PKG 3M        | Integral M12      | Integral M8     | Standard |
| U0875-78 | YB2-FSM 4.5-2FKM 4.5       | Integral M12      | Integral M12    | Standard |
| U0932-33 | YP2-MFS 4/2MFK 3           | Integral M8       | Integral M8     | Standard |
| U2-07374 | YBZ2-FSM4.4/2FK4           | Integral M12      | Integral M12    | Standard |
| U2-07391 | YBZ2-FSM4.5/2FK4.5/S651    | Integral M12      | Integral M12    | Parallel |
| U0932-69 | YBZ2-FSM 4.5/2FKM 4.5/S771 | Integral M12      | Integral M12    | Standard |

## M12 Eurofast VBRS Splitters



M12 and M8 connector options, either integral to splitter body or with cable  
Standard wiring  
Rated for up to 250 V, 4 A  
IEC IP67

| Item ID | Product Description      | Homerun Connector | Port Connectors | Wiring   |
|---------|--------------------------|-------------------|-----------------|----------|
| U0117   | VBRS 4.4-2RK 4T-0.3/0.3  | Integral M12      | M12 Cables      | Standard |
| U0117-3 | VBRS 4.4-2PKG 3M-0.3/0.3 | Integral M12      | M8 Cables       | Standard |
| U0117-1 | VBRS 4.4-2SKM 3          | Integral M12      | Integral M8     | Standard |

## Connectivity

### 7/8" Minifast Tees



7/8" Minifast connectors, integral to tee body  
Parallel wiring  
Rated for up to 250 V, 9 A  
NEMA 1, 3, 4, 6P and IEC IP67

| Item ID | Product Description | Turck Connectors | Drop Connectors | Wiring   |
|---------|---------------------|------------------|-----------------|----------|
| U1061   | RSM-2RKM 30         | Integral 7/8"    | Integral 7/8"   | Parallel |
| U0140   | RSM-2RKM 40         | Integral 7/8"    | Integral 7/8"   | Parallel |
| U2109-9 | RSM-2RKM 50         | Integral 7/8"    | Integral 7/8"   | Parallel |

### Ethernet Patch Cords



Teal TPE Industrial Ethernet cable jacket (types 440, 441, 840, 841)  
High flexing, up to 10 million cycles for stranded cable  
600 V rated cable (types 440, 441, 840, 841)  
Ruggedized overmolded RJ45  
PoE compliant cable, per IEEE 802.3af  
UL approved  
Full CAT 5e performance, for stranded cables, up to 80-85 m (types 440, 441, 840, 841)  
IEC IP67 rated M12, M8; IEC IP20 rated RJ45

| Item ID  | Product Description  | Cable Type                           | Termination Type | Cable Length |
|----------|----------------------|--------------------------------------|------------------|--------------|
| U-19638  | RJ45 FKFD 440-0.5M   | 440 - Stranded Unshielded/2UTPx24awg | RJ45/M12         | 0.5 m        |
| U3-00042 | RSCD RSCD 440-1M     | 440 - Stranded Unshielded/2UTPx24awg | M12/M12          | 1 m          |
| U-04973  | RJ45 RJ45 440-1M     | 440 - Stranded Unshielded/2UTPx24awg | RJ45/RJ45        | 1 m          |
| U-04974  | RJ45 RJ45 440-2M     | 440 - Stranded Unshielded/2UTPx24awg | RJ45/RJ45        | 2 m          |
| U-04468  | RSCD RSCD 440-2M     | 440 - Stranded Unshielded/2UTPx24awg | M12/M12          | 2 m          |
| U-20903  | RJ45 FKFD 440-2M     | 440 - Stranded Unshielded/2UTPx24awg | RJ45/M12         | 2 m          |
| U-04465  | RSCD RSCD 440-5M     | 440 - Stranded Unshielded/2UTPx24awg | M12/M12          | 5 m          |
| U-16027  | RSCD RJ45 440-5M     | 440 - Stranded Unshielded/2UTPx24awg | M12/RJ45         | 5 m          |
| U-04466  | RSCD RSCD 440-10M    | 440 - Stranded Unshielded/2UTPx24awg | M12/M12          | 10 m         |
| U-09261  | RSCD RSCD 440-20M    | 440 - Stranded Unshielded/2UTPx24awg | M12/M12          | 20 m         |
| U-03681  | RJ45S RJ45S 441-0.3M | 441 - Stranded Shielded/2UTPx24awg   | RJ45/RJ45        | 0.3 m        |
| U-12214  | RSSD RSSD 441-0.5M   | 441 - Stranded Shielded/2UTPx24awg   | M12/M12          | 0.5 m        |
| U-05458  | RJ45S RJ45S 441-0.5M | 441 - Stranded Shielded/2UTPx24awg   | RJ45/RJ45        | 0.5 m        |
| U-06863  | RJ45S FKSD 441-0.5M  | 441 - Stranded Shielded/2UTPx24awg   | RJ45/M12         | 0.5 m        |
| U3-00372 | RSSD RSSD 441-1M     | 441 - Stranded Shielded/2UTPx24awg   | M12/M12          | 1 m          |
| U3-00504 | RSSD RJ45S 441-1M    | 441 - Stranded Shielded/2UTPx24awg   | M12/RJ45         | 1 m          |
| U-03569  | RJ45S FKSD 441-1M    | 441 - Stranded Shielded/2UTPx24awg   | RJ45/M12         | 1 m          |
| U-06865  | RJ45S RJ45S 441-1M   | 441 - Stranded Shielded/2UTPx24awg   | RJ45/RJ45        | 1 m          |
| U-02482  | RSSD RSSD 441-2M     | 441 - Stranded Shielded/2UTPx24awg   | M12/M12          | 2 m          |
| U3-00525 | RSSD RJ45S 441-2M    | 441 - Stranded Shielded/2UTPx24awg   | M12/RJ45         | 2 m          |
| U3-00229 | RJ45S FKSD 441-2M    | 441 - Stranded Shielded/2UTPx24awg   | RJ45/M12         | 2 m          |
| U-06842  | RJ45S RJ45S 441-2M   | 441 - Stranded Shielded/2UTPx24awg   | RJ45/RJ45        | 2 m          |
| U-02483  | RSSD RSSD 441-3M     | 441 - Stranded Shielded/2UTPx24awg   | M12/M12          | 3 m          |
| U-02423  | RSSD RJ45S 441-3M    | 441 - Stranded Shielded/2UTPx24awg   | M12/RJ45         | 3 m          |



# Connectivity

## Ethernet Patch Cords (continued)

| Item ID  | Product Description       | Cable Type                          | Termination Type | Cable Length |
|----------|---------------------------|-------------------------------------|------------------|--------------|
| U-02484  | RSSD RSSD 441-4M          | 441 - Stranded Shielded/2UTPx24awg  | M12/M12          | 4 m          |
| U-08221  | RJ45S RJ45S 441-4M        | 441 - Stranded Shielded/2UTPx24awg  | RJ45/RJ45        | 4 m          |
| U3-00689 | RJ45S RJ45S 441-5M        | 441 - Stranded Shielded/2UTPx24awg  | RJ45/RJ45        | 5 m          |
| U-06867  | RSSD RSSD 441-5M          | 441 - Stranded Shielded/2UTPx24awg  | M12/M12          | 5 m          |
| U3-00588 | RSSD RJ45S 441-5M         | 441 - Stranded Shielded/2UTPx24awg  | M12/RJ45         | 5 m          |
| U-02485  | RSSD RSSD 441-6M          | 441 - Stranded Shielded/2UTPx24awg  | M12/M12          | 6 m          |
| U-02486  | RSSD RSSD 441-8M          | 441 - Stranded Shielded/2UTPx24awg  | M12/M12          | 8 m          |
| U-09405  | RJ45S RJ45S 441-10M       | 441 - Stranded Shielded/2UTPx24awg  | RJ45/RJ45        | 10 m         |
| U-06712  | RSSD RSSD 441-10M         | 441 - Stranded Shielded/2UTPx24awg  | M12/M12          | 10 m         |
| U-02557  | RSSD RJ45S 441-10M        | 441 - Stranded Shielded/2UTPx24awg  | M12/RJ45         | 10 m         |
| U-04901  | RSSD RSSD 441-15M         | 441 - Stranded Shielded/2UTPx24awg  | M12/M12          | 15 m         |
| U-08737  | RSSD RJ45S 441-15M        | 441 - Stranded Shielded/2UTPx24awg  | M12/RJ45         | 15 m         |
| U-03619  | RSSD RSSD 441-20M         | 441 - Stranded Shielded/2UTPx24awg  | M12/M12          | 20 m         |
| U-02773  | RSSD RJ45S 441-20M        | 441 - Stranded Shielded/2UTPx24awg  | M12/RJ45         | 20 m         |
| U-60180  | PSGS 4M PSGS 4M 4413-0.2M | 4413 - Stranded Shielded/2UTPx26awg | M8/M8            | 0.2 m        |
| U2-23009 | PSGS 4M PSGS 4M 4413-0.5M | 4413 - Stranded Shielded/2UTPx26awg | M8/M8            | 0.5 m        |
| U-58839  | RSSD PSGS 4M 4413-0.5M    | 4413 - Stranded Shielded/2UTPx26awg | M12/M8           | 0.5 m        |
| U-55718  | PSGS 4M PSGS 4M 4413-1M   | 4413 - Stranded Shielded/2UTPx26awg | M8/M8            | 1 m          |
| U-55725  | PSGS 4M RJ45S 4413-1M     | 4413 - Stranded Shielded/2UTPx26awg | M8/RJ45          | 1 m          |
| U2-24205 | PSGS 4M RJ45S 4413-2M     | 4413 - Stranded Shielded/2UTPx26awg | M8/RJ45          | 2 m          |
| U7374-1  | RJ45 RJ45 840-1M          | 840- Stranded Unshielded/4UTPx24awg | RJ45/RJ45        | 1 m          |
| U7819-10 | RSC RJ45 840-10M          | 840- Stranded Unshielded/4UTPx24awg | M12/RJ45         | 10 m         |
| U7901-05 | RSS RSS 841-0.5M          | 841 - Stranded Shielded/4UTPx24awg  | M12/M12          | 0.5 m        |
| U8636-1  | RJ45S RJ45S 841-1M        | 841 - Stranded Shielded/4UTPx24awg  | RJ45/RJ45        | 1 m          |
| U8636-2  | RJ45S RJ45S 841-2M        | 841 - Stranded Shielded/4UTPx24awg  | RJ45/RJ45        | 2 m          |
| U8636-5  | RJ45S RJ45S 841-5M        | 841 - Stranded Shielded/4UTPx24awg  | RJ45/RJ45        | 5 m          |
| U8626-5  | RSS RJ45S 841-5M          | 841 - Stranded Shielded/4UTPx24awg  | M12/RJ45         | 5 m          |
| U8636-10 | RJ45S RJ45S 841-10M       | 841 - Stranded Shielded/4UTPx24awg  | RJ45/RJ45        | 10 m         |
| U8626-10 | RSS RJ45S 841-10M         | 841 - Stranded Shielded/4UTPx24awg  | M12/RJ45         | 10 m         |

## Connectivity

### Ethernet Panel & Field Wireable Accessories



Convert RJ45 to M12 to transition out of the panel  
Field wireables for both M12 and RJ45  
Receptacles for PCB applications

| Item ID  | Product Description         | Pin Count | Termination Type        | Mounting Style |
|----------|-----------------------------|-----------|-------------------------|----------------|
| U2-32077 | FKSD FKSD 44/M12            | 4-pin     | M12 to M12 receptacle   | Feed-Thru      |
| U3-00647 | FKSDD RJ45SF 44             | 4-pin     | M12 to RJ45 receptacle  | Feed-Thru      |
| U2-03887 | CMBSD 8141-0/PG9            | 4-pin     | M12 field wireable      | -              |
| U3-00777 | CONNECTOR, RJ45S IDC        | 4-pin     | RJ45 field wireable     | -              |
| U2-22253 | RJ45 PANEL MOUNT W IP67 CAP | 8-pin     | RJ45 to RJ45 receptacle | Feed-Thru      |
| U2-18467 | CONNECTOR, FW,RJ45S 84 IDC  | 8-pin     | RJ45 field wireable     | -              |

### DeviceNet Single Ended Cordsets: M12



Gray PVC cable jacket, foil shield  
UL PLTC and CSA cable approvals  
Meets requirements of ODVA THIN cable type  
Rated for 250 V, 4 A  
NEMA 1, 3, 4, 6P and IEC IP68, IP69K

| Item ID | Product Description | Termination Type | Gender | Plug Body | Cable Type | Cable Length |
|---------|---------------------|------------------|--------|-----------|------------|--------------|
| U0303-2 | RSC 572-0.5M        | M12              | Male   | Straight  | PVC / Thin | 0.5 m        |
| U0303   | RSC 572-1M          | M12              | Male   | Straight  | PVC / Thin | 1 m          |
| U0303-0 | RSC 572-2M          | M12              | Male   | Straight  | PVC / Thin | 2 m          |

### DeviceNet Extension Cordsets: M12 and 7/8" Minifast



Gray PVC cable jacket, foil shield (cable 572), braided shield (cable 579)  
UL PLTC and CSA cable approvals  
Meets requirements of ODVA THIN cable type (cable 572) and THICK cable type (cable 579)  
M12 rated to 4 A, 250 V; 7/8" Minifast rated to 9 A, 600 V  
NEMA 1, 3, 4, 6P and IEC IP67

| Item ID  | Product Description | Termination Type | Gender      | Plug Body | Cable Type  | Cable Length |
|----------|---------------------|------------------|-------------|-----------|-------------|--------------|
| U5450-52 | RSM RKM 579-1M      | 7/8"             | Male/Female | Straight  | PVC / Thick | 1 m          |
| U0321    | RSC RKC 572-1M      | M12              | Male/Female | Straight  | PVC / Thin  | 1 m          |
| U0323    | RSC RKC 572-2M      | M12              | Male/Female | Straight  | PVC / Thin  | 2 m          |
| U0326    | RSC RKC 572-5M      | M12              | Male/Female | Straight  | PVC / Thin  | 5 m          |
| U0326-14 | RSC RKC 572-10M     | M12              | Male/Female | Straight  | PVC / Thin  | 10 m         |





## Connectivity

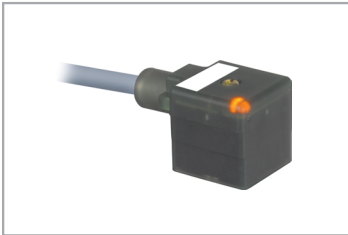
### DeviceNet Accessories



M12 rated to 4 A, 250 V; 7/8" Minifast rated to 9 A, 600 V  
NEMA 1, 3, 4, 6P and IEC IP67

| Item ID | Product Description | Product Type         | Termination Type   |
|---------|---------------------|----------------------|--------------------|
| U0142   | RSM FKM RKM 57      | Bus Drop Tee         | 7/8" with M12 Drop |
| U0141   | RSM-2RKM 57         | Bus Drop Tee         | 7/8"               |
| E9003   | RSC 2RKC 57         | Bus Drop Tee         | M12                |
| U2251-1 | RSE 57-TR2          | Terminating Resistor | M12                |
| U2251-5 | RKE 57-TR2          | Terminating Resistor | M12                |
| U0102   | RSM 57-TR2          | Terminating Resistor | 7/8"               |
| U0102-1 | RKM 57-TR2          | Terminating Resistor | 7/8"               |

### Valve Plugs Type A - 18 mm

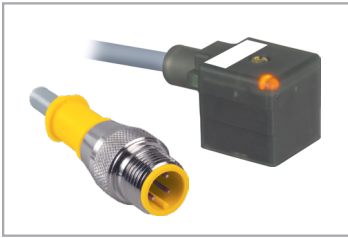


Environmentally protected electrical junction for use with hydraulic and pneumatic solenoid valves  
Available in A, B, I and C designs  
Options for wiring with LED, MOV, or diode  
PVC or TPU cable jacket  
Available with flying leads or with M12 connector termination  
Rated for up to 220 V, 4 A  
NEMA 1, 3, 4, 6P and IEC IP67

| Item ID  | Product Description | Pin Count                                               | Wiring    | Voltage   | Cable Type | Cable Length |
|----------|---------------------|---------------------------------------------------------|-----------|-----------|------------|--------------|
| U1203-01 | VAS 22-C653-2M      | 2 Conductors + 1 Ground, Ground Contacts Parallel Wired | LED       | 110-220 V | PVC        | 2 m          |
| U1202-41 | VAS 22-D653-2M      | 2 Conductors + 1 Ground, Ground Contacts Parallel Wired | LED/MOV   | 24-48 V   | PVC        | 2 m          |
| U1204-05 | VAS 22-E653-2M      | 2 Conductors + 1 Ground, Ground Contacts Parallel Wired | LED/MOV   | 110-220 V | PVC        | 2 m          |
| U7106-17 | VAS 22-F653-2M      | 2 Conductors + 1 Ground, Ground Contacts Parallel Wired | LED/DIODE | 24-48 V   | PVC        | 2 m          |
| U1200-00 | VAS 22-A653-5M      | 2 Conductors + 1 Ground, Ground Contacts Parallel Wired | Straight  | 0-220 V   | PVC        | 5 m          |
| U1202-04 | VAS 22-D653-5M      | 2 Conductors + 1 Ground, Ground Contacts Parallel Wired | LED/MOV   | 24-48 V   | PVC        | 5 m          |
| U1204-02 | VAS 22-E653-5M      | 2 Conductors + 1 Ground, Ground Contacts Parallel Wired | LED/MOV   | 110-220 V | PVC        | 5 m          |
| U7106-18 | VAS 22-F653-5M      | 2 Conductors + 1 Ground, Ground Contacts Parallel Wired | LED/DIODE | 24-48 VDC | PVC        | 5 m          |
| U1200-40 | VAS 22-A669-2M      | 2 Conductors + 1 Ground, Ground Contacts Parallel Wired | Straight  | 0-220 V   | TPU        | 2 m          |
| U1204-71 | VAS 3-A580-5M       | 3 Conductors + Ground                                   | Straight  | 0-220 V   | PVC        | 5 m          |

## Connectivity

### Valve Plugs Extension Cordsets - Valve to M12



| Item ID | Product Description   | Termination Type | Pin Count               | Wiring    | Voltage   | Cable Type | Cable Length |
|---------|-----------------------|------------------|-------------------------|-----------|-----------|------------|--------------|
| U-62835 | VIS 2-A653-2M-RS 5.3T | Type I/M12       | 2 Conductors + 1 Ground | Straight  | 0-220 V   | PVC        | 2 m          |
| U-62928 | VIS 2-F653-2M-RS 5.3T | Type I/M12       | 2 Conductors + 1 Ground | LED/DIODE | 24-48 VDC | PVC        | 2 m          |

### A-Size Powerfast Single Ended Cordsets



3 or 4-pin  
 7/8-16 UN threaded connectors  
 Black TPE or PVC cable jacket  
 Nickel plated brass coupling nut  
 TC-ER cable approval  
 UL 2237 approved  
 Rated for up to 21 A, 600 V  
 NEMA 1, 3, 4, 6P and IEC IP67

| Item ID  | Product Description | Pin Count | Gender | Plug Body | Cable Type | Conductor Size | Coupling Nut Material | Cable Length |
|----------|---------------------|-----------|--------|-----------|------------|----------------|-----------------------|--------------|
| U2-15307 | RKM 44-2M/S4000     | 4-pin     | Female | Straight  | PVC TC-ER  | 14 AWG         | Nickel Plated Brass   | 2 m          |
| U-32575  | RKM 44-5M/S4000     | 4-pin     | Female | Straight  | PVC TC-ER  | 14 AWG         | Nickel Plated Brass   | 5 m          |
| U-32578  | RKM 44-10M/S4000    | 4-pin     | Female | Straight  | PVC TC-ER  | 14 AWG         | Nickel Plated Brass   | 10 m         |
| U2-15306 | RSM 44-2M/S4000     | 4-pin     | Male   | Straight  | PVC TC-ER  | 14 AWG         | Nickel Plated Brass   | 2 m          |
| U-32569  | RSM 44-5M/S4000     | 4-pin     | Male   | Straight  | PVC TC-ER  | 14 AWG         | Nickel Plated Brass   | 5 m          |

### A-Size Powerfast Extension Cordsets



3 or 4-pin  
 7/8-16 UN threaded connectors  
 Black TPE or PVC cable jacket  
 Nickel plated brass coupling nut  
 TC-ER cable approval  
 UL 2237 approved  
 Rated for up to 21 A, 600 V  
 NEMA 1, 3, 4, 6P and IEC IP67

| Item ID  | Product Description  | Pin Count | Gender      | Plug Body | Cable Type | Conductor Size | Coupling Nut Material | Cable Length |
|----------|----------------------|-----------|-------------|-----------|------------|----------------|-----------------------|--------------|
| U-30828  | RSM RKM 34-2M/S4000  | 3-pin     | Male/Female | Straight  | TPE TC-ER  | 14 AWG         | Nickel Plated Brass   | 2 m          |
| U-34438  | RSM RKM 34-5M/S4000  | 3-pin     | Male/Female | Straight  | TPE TC-ER  | 14 AWG         | Nickel Plated Brass   | 5 m          |
| U-36821  | RSM RKM 34-10M/S4000 | 3-pin     | Male/Female | Straight  | TPE TC-ER  | 14 AWG         | Nickel Plated Brass   | 10 m         |
| U2-15308 | RSM RKM 44-2M/S4000  | 4-pin     | Male/Female | Straight  | PVC TC-ER  | 14 AWG         | Nickel Plated Brass   | 2 m          |
| U-33709  | RSM RKM 44-5M/S4000  | 4-pin     | Male/Female | Straight  | PVC TC-ER  | 14 AWG         | Nickel Plated Brass   | 5 m          |
| U-33708  | RSM RKM 44-10M/S4000 | 4-pin     | Male/Female | Straight  | PVC TC-ER  | 14 AWG         | Nickel Plated Brass   | 10 m         |



## Connectivity

### A-Size Powerfast Receptacles



3 or 4-pin  
 7/8-16 UN threaded connectors  
 Nickel plated brass housing material  
 Front mount  
 UL 2237 approved  
 Rated for up to 21 A, 600 V  
 NEMA 1, 3, 4, 6P and IEC IP67

| Item ID  | Product Description | Pin Count | Gender | Conductor Size | Mounting Style | Housing Material    | Wire Length |
|----------|---------------------|-----------|--------|----------------|----------------|---------------------|-------------|
| U2-15010 | RKF 34-0.5M/NPT     | 3-pin     | Female | 14 AWG         | 1/2" NPT       | Nickel Plated Brass | 0.5 m       |
| U-32478  | RKF 34-2M/NPT       | 3-pin     | Female | 14 AWG         | 1/2" NPT       | Nickel Plated Brass | 2 m         |
| U2-15013 | RSF 34-0.5M/NPT     | 3-pin     | Male   | 14 AWG         | 1/2" NPT       | Nickel Plated Brass | 0.5 m       |
| U-32476  | RSF 34-2M/NPT       | 3-pin     | Male   | 14 AWG         | 1/2" NPT       | Nickel Plated Brass | 2 m         |
| U2-15011 | RKF 44-0.5M/NPT     | 4-pin     | Female | 14 AWG         | 1/2" NPT       | Nickel Plated Brass | 0.5 m       |
| U-32481  | RKF 44-2M/NPT       | 4-pin     | Female | 14 AWG         | 1/2" NPT       | Nickel Plated Brass | 2 m         |
| U2-15014 | RSF 44-0.5M/NPT     | 4-pin     | Male   | 14 AWG         | 1/2" NPT       | Nickel Plated Brass | 0.5 m       |
| U-32474  | RSF 44-2M/NPT       | 4-pin     | Male   | 14 AWG         | 1/2" NPT       | Nickel Plated Brass | 2 m         |

### D-Size Powerfast Extension Cordsets



3 or 4-pin  
 1 3/8-16 UN threaded connectors  
 Black PVC cable jacket  
 Anodized aluminum coupling nut  
 TC-ER cable approval  
 UL 2237 approved  
 Rated for up to 40 A, 600 V  
 NEMA 1, 3, 4, 6P and IEC IP67, IP68, IP69K

| Item ID | Product Description    | Pin Count | Gender      | Plug Body | Cable Type | Conductor Size | Coupling Nut Material | Cable Length |
|---------|------------------------|-----------|-------------|-----------|------------|----------------|-----------------------|--------------|
| U-34434 | GSDA GKDA 30-10M/S4000 | 3-pin     | Male/Female | Straight  | PVC TC-ER  | 10 AWG         | Anodized Aluminum     | 10 m         |
| U-35500 | GSDA GKDA 40-10M/S4000 | 4-pin     | Male/Female | Straight  | PVC TC-ER  | 10 AWG         | Anodized Aluminum     | 10 m         |

# Connectivity

## D-Size Powerfast Tees



3 or 4-pin  
Standard tees and reducer tees  
1 3/8-16 UN & 7/8-16 UN threaded connectors  
UL 2237 approved  
Rated for 35-40 A (trunk) & 18-21 A (drop), 600 V  
Up to NEMA 1, 3, 4, 6P and IEC IP67, IP68, IP69K

| Item ID  | Product Description | Pin Count | Termination Type                    | Coupling Nut Material                                 |
|----------|---------------------|-----------|-------------------------------------|-------------------------------------------------------|
| U2-15535 | GSDA/GKDA/RKM 34    | 3-pin     | D-Size Power with A-Size Power Drop | Anodized Aluminum (Trunk)/ Nickel Plated Brass (Drop) |
| U2-15537 | GSDA/GKDA/RKM 44    | 4-pin     | D-Size Power with A-Size Power Drop | Anodized Aluminum (Trunk)/ Nickel Plated Brass (Drop) |
| U2-15106 | GSDA/2GKDA 40       | 4-pin     | D-Size Power with D-Size Power Drop | Anodized Aluminum                                     |

## D-Size Powerfast Field Wireable



3 or 4-pin  
Screw terminal termination style 8-14 AWG  
9-26 mm cable diameter range  
Rated for up to 35 A, 600 V  
NEMA 6P and IEC IP67

| Item ID  | Product Description | Pin Count | Gender | Plug Body | Coupling Nut Material |
|----------|---------------------|-----------|--------|-----------|-----------------------|
| U2-16371 | GKDA 40-0           | 4-pin     | Female | Straight  | Anodized Aluminum     |
| U2-16367 | GSDA 40-0           | 4-pin     | Male   | Straight  | Anodized Aluminum     |

## D-Size Powerfast Accessories



Nylon locking guard for D-Size  
Powerfast connectors

| Item ID | Product Description | Type          | Style                                         |
|---------|---------------------|---------------|-----------------------------------------------|
| A9519   | LOCK-D POWER        | Locking guard | Works with straight or right angle connectors |



# Fieldbus Technology



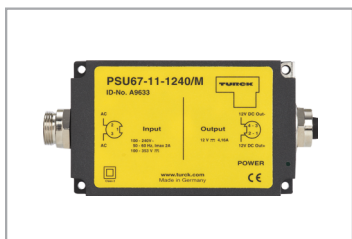
## Fieldbus Technology

### Block I/O: On Machine



| Item ID | Product Description | # of Inputs | # of Outputs | Signal Type/Function | Operating Voltage | Operating Temp.  |
|---------|---------------------|-------------|--------------|----------------------|-------------------|------------------|
| 6814023 | TBEN-S1-8DXP        | 8           | 8            | Discrete (PNP)       | 18-30 VDC         | -40 °C to +70 °C |
| 6814010 | TBEN-L4-8DIP-8DOP   | 8           | 8            | Discrete (PNP)       | 18-30 VDC         | -40 °C to +70 °C |
| 6814009 | TBEN-L4-16DIP       | 16          | -            | Discrete (PNP)       | 18-30 VDC         | -40 °C to +70 °C |
| 6814011 | TBEN-L4-16DOP       | -           | 16           | Discrete (PNP)       | 18-30 VDC         | -40 °C to +70 °C |

### Power Supplies



| Item ID | Product Description | Type       | Operating Voltage | Power Output  | Operating Temp.  |
|---------|---------------------|------------|-------------------|---------------|------------------|
| A9633   | PSU67-11-1240/M     | On Machine | 120-240 VAC       | 12 VDC, 4.0 A | -25 °C to +60 °C |
| 6884140 | PSU67-11-2420/M     | On Machine | 90-264 VAC        | 24 VDC, 2.0 A | -25 °C to +60 °C |
| 6884141 | PSU67-11-2440/M     | On Machine | 100-240 VAC       | 24 VDC, 4.0 A | -25 °C to +60 °C |
| 6884147 | PSU67-11-2480/M     | On Machine | 90-264 VAC        | 24 VDC, 8.0 A | -25 °C to +60 °C |
| 6884148 | PSU67-12-2480/M     | On Machine | 100-240 VAC       | 24 VDC, 8.0 A | -25 °C to +60 °C |





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