

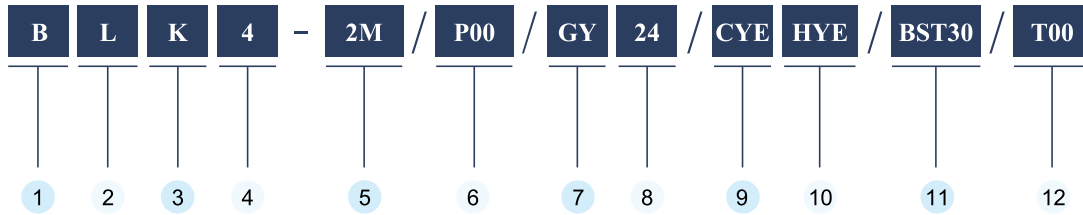
M5 Industrial Connectors

M5 M5 M5
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M5 PRE-MOULDING CONNECTOR PART NUMBER KEY

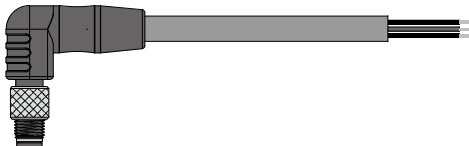


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|--|--|--|
| <p>1 B M5X0.5 Connector</p> <p>2 Blank Straight
L Right angle</p> <p>3 K Female
Z Male</p> <p>4 Number of pins
3 1 BN, 3 BU, 4 BK
4 1 BN, 2 WH, 3 BU,
4 BK</p> <p>5 Length [m]</p> <p>6 Cable Jacket</p> | <p>7 Color of cable
Blank Standard color
BU Blue (customization)
YE Yellow (customization)
GY Gray (customization)
WH White (customization)
OR Orange (customization)
LGY Light grey (customization)</p> <p>8 Wire gauge
Blank Standard wire gauge 26AWG
(0.14mm²)
24 24AWG(0.25mm²) (customization)</p> <p>9 Color of contact carrier
Blank Standard color black
CYE Yellow contact carrier
(customization)</p> | <p>10 Color of plug body
Blank Standard color black
HYE Plug body yellow (customization)
HBU Plug body blue (customization)</p> <p>11 Label sleeves (No tag)
The double-ended connector defaults to two, and the single-ended connector defaults to one.
Blank No label sleeves
BST18 18mm Long label sleeves <input type="checkbox"/> Varieties <input type="checkbox"/>
BST23 23mm Long label sleeves <input type="checkbox"/> Varieties <input type="checkbox"/>
BST30 30mm Long label sleeves <input type="checkbox"/> Varieties <input type="checkbox"/></p> <p>12 Varieties</p> |
|--|--|--|

Examples of single-ended

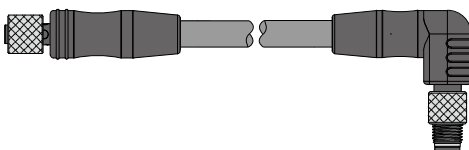


BK3-*M/P00



BLZ3-*M/P00

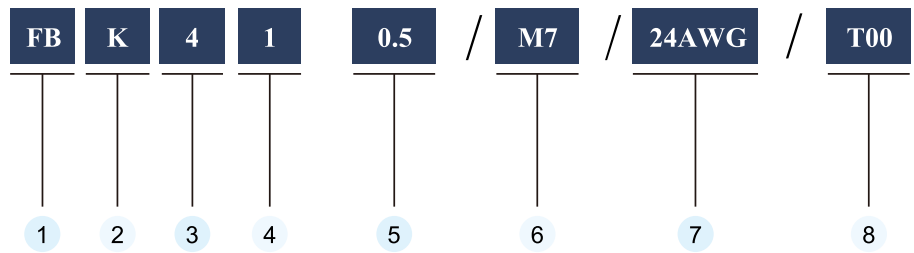
Examples of double-ended



BK4 BLZ4-*M/P00

M5 Receptacle connector part number key

Receptacle part number key



1 FB M5 Receptacle

2 K Female
Z Male

3 Number of pins

4 Termination (mounting style)
1 Rear mount
2 Front mount

5 Length of cable 0.5=0.5m
L Solder cup
P PCB pins

6 Thread Type (Connection thread)
M7 M7X0.75,
Blank M5X0.5,

7 Wire gauge of cable
Blank 26AWG
24 24AWG:0.25mm² (customization)

8 Varieties

3pins/4pins M5 Pre-moulding connector

- Plug body:TPU/Black
- Coupling nut:Brass/Nickel
- Contact carrier:PA/Black
- Pin:Brass/Gold
- O-ring :NBR
- IP degree:IP67
- Rated current:1A
- Rated voltage:60V
- Insulation resistance: $\geq 10 \Omega$
- Forward resistance: $\leq 5m\Omega$
- Pollution degree:3
- Temperature range:-40...+80°C
- Mechanical operation: ≥ 100
- Maximum cable diameter: 3.8mm



Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Female SK..** 	BK3-2M/P00 BK3-5M/P00 BK3-10M/P00	10100400 10100401 10100402	PVC/Black 3x26AWG (3x0.14mm ²) Ø3.8mm Cable Type NO. : 58018151-*M	Female
Right angle Female SLK..** 	BLK3-2M/P00 BLK3-5M/P00 BLK3-10M/P00	10100403 10100404 10100405	PVC/Black 3x26AWG (3x0.14mm ²) Ø3.8mm Cable Type NO. : 58018151-*M	Female
Straight Male SZ..** 	BZ3-2M/P00 BZ3-5M/P00 BZ3-10M/P00	10100406 10100407 10100408	PVC/Black 3x26AWG (3x0.14mm ²) Ø3.8mm Cable Type NO. : 58018151-*M	Male
Right angle Male SLZ..** 	BLZ3-2M/P00 BLZ3-5M/P00 BLZ3-10M/P00	10100409 10100410 10100411	PVC/Black 3x26AWG (3x0.14mm ²) Ø3.8mm Cable Type NO. : 58018151-*M	Male
Straight Female SK..** 	BK4-2M/P00 BK4-5M/P00 BK4-10M/P00	10100412 10100413 10100414	PVC/Black 4x26AWG (4x0.14mm ²) Ø3.8mm Cable Type NO. : 58019151-*M	Female
Right angle Female SLK..** 	BLK4-2M/P00 BLK4-5M/P00 BLK4-10M/P00	10100415 10100416 10100417	PVC/Black 4x26AWG (4x0.14mm ²) Ø3.8mm Cable Type NO. : 58019151-*M	Female
Straight Male SZ..** 	BZ4-2M/P00 BZ4-5M/P00 BZ4-10M/P00	10100418 10100419 10100420	PVC/Black 4x26AWG (4x0.14mm ²) Ø3.8mm Cable Type NO. : 58019151-*M	Male
Right angle Male SLZ..** 	BLZ4-2M/P00 BLZ4-5M/P00 BLZ4-10M/P00	10100421 10100422 10100423	PVC/Black 4x26AWG (4x0.14mm ²) Ø3.8mm Cable Type NO. : 58019151-*M	Male

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

** Standard coupling nut material is nickel plated brass

M5 receptacle



Receptacle	Type NO.	ID NO.	Features	Pinout
<p>M5 Rear mount with wire Female</p>	<p>FBK31-0.5/M7 FBK31-1.0/M7</p>	<p>10100430 10100431</p>	<p>3x26AWG (3x0.14mm²) PVC 105°C 60V 1A</p>	<p>Female</p> <p>1.BN 3.BU 4.BK</p>
<p>M5 Rear mount with wire Male</p>	<p>FBZ31-0.5 FBZ31-1.0</p>	<p>10100432 10100433</p>	<p>3x26AWG (3x0.14mm²) PVC 105°C 60V 1A</p>	<p>Male</p> <p>1.BN 3.BU 4.BK</p>
<p>M5 Front mount with wire Female</p>	<p>FBK32-0.5 FBK32-1.0</p>	<p>10100434 10100435</p>	<p>3x26AWG (3x0.14mm²) PVC 105°C 60V 1A</p>	<p>Female</p> <p>1.BN 3.BU 4.BK</p>
<p>M5 Front mount with wire Male</p>	<p>FBZ32-0.5 FBZ32-1.0</p>	<p>10100436 10100437</p>	<p>3x26AWG (3x0.14mm²) PVC 105°C 60V 1A</p>	<p>Male</p> <p>1.BN 3.BU 4.BK</p>

M5 receptacle



Receptacle	Type NO.	ID NO.	Features	Pinout
<p>M5 Rear mount with wire Female</p>	<p>FBK41-0.5/M7 FBK41-1.0/M7</p>	<p>10100438 10100439</p>	<p>4x26AWG (4x0.14mm²) PVC 105°C 60V 1A</p>	<p>Female</p> <p>1.BN 2.WH 3.BU 4.BK</p>
<p>M5 Rear mount with wire Male</p>	<p>FBZ41-0.5 FBZ41-1.0</p>	<p>10100440 10100441</p>	<p>4x26AWG (4x0.14mm²) PVC 105°C 60V 1A</p>	<p>Male</p> <p>1.BN 2.WH 3.BU 4.BK</p>
<p>M5 Front mount with wire Female</p>	<p>FBK42-0.5 FBK42-1.0</p>	<p>10100442 10100443</p>	<p>4x26AWG (4x0.14mm²) PVC 105°C 60V 1A</p>	<p>Female</p> <p>1.BN 2.WH 3.BU 4.BK</p>
<p>M5 Front mount with wire Male</p>	<p>FBZ42-0.5 FBZ42-1.0</p>	<p>10100444 10100445</p>	<p>4x26AWG (4x0.14mm²) PVC 105°C 60V 1A</p>	<p>Male</p> <p>1.BN 2.WH 3.BU 4.BK</p>