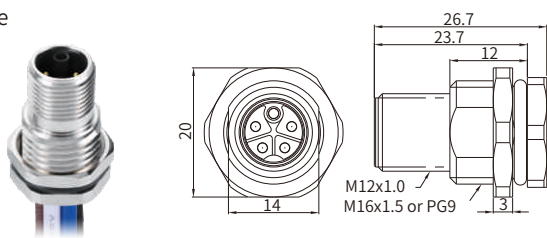


# M12 K-coding (Power AC)

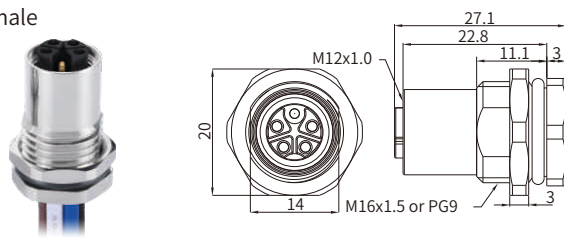


## M12 K-coding Straight Connector, Panel, Solder & Crimp, Front fastened

Male



Female



### Specifications

|                        |                                                                           |
|------------------------|---------------------------------------------------------------------------|
| Contacts               | 5(4+PE)                                                                   |
| Pin layout(Male)       |                                                                           |
| Pin layout(Female)     |                                                                           |
| Standard               | IEC 61076-2-111                                                           |
| Ambient temperature    | -15°C~+85°C (flexible installation), -30°C~+85°C (fixed installation)     |
| Customized temperature | -25°C ~ +85°C (flexible installation), -40°C ~ +85°C (fixed installation) |
| Connector insert       | PA                                                                        |
| Connector contacts     | Brass with gold plated                                                    |
| Coupling nut/screw     | Brass with nickel plated                                                  |
| Seal/O-ring            | FKM                                                                       |
| Insulation resistance  | ≥100MΩ                                                                    |
| Contact resistance     | ≤8mΩ                                                                      |
| Earth tag/pin          | Unavailable                                                               |
| IP rating              | IP67, IP68 in locked condition                                            |
| Mating endurance       | >500 cycles                                                               |
| Rated current          | 12 A                                                                      |
| Rated voltage          | 630V                                                                      |
| Wire gauge             | 2.0mm <sup>2</sup> (AWG14)                                                |
| Panel cut-out          | Refer to page 384                                                         |

### Part Number

| Pins | Terminal Type | Cable length | Male                 |                      | Female               |                      |
|------|---------------|--------------|----------------------|----------------------|----------------------|----------------------|
|      |               |              | M16x1.5              | PG9                  | M16x1.5              | PG9                  |
| 5    | Solder        | 0.1m         | MB12MSKFF05ST-220001 | MB12MSKFF05ST-320001 | MB12FSKFF05ST-220001 | MB12FSKFF05ST-320001 |
|      |               | 0.3m         | MB12MSKFF05ST-220003 | MB12MSKFF05ST-320003 | MB12FSKFF05ST-220003 | MB12FSKFF05ST-320003 |
|      | Crimp         | 0.1m         | MB12MCKFF05ST-220001 | MB12MCKFF05ST-320001 | MB12FCKFF05ST-220001 | MB12FCKFF05ST-320001 |
|      |               | 0.3m         | MB12MCKFF05ST-220003 | MB12MCKFF05ST-320003 | MB12FCKFF05ST-220003 | MB12FCKFF05ST-320003 |

### Default wire colors

| Pin No. |       |
|---------|-------|
| Pin 1   | BN    |
| Pin 2   | WH    |
| Pin 3   | BU    |
| Pin 4   | BK    |
| Pin 5   | YU/GN |