

Connectors M 23 RJ 45



Product Overview


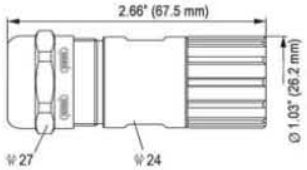



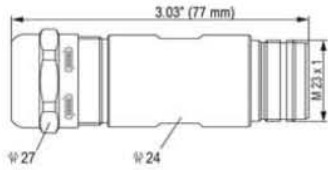
M 23 RJ 45 Control Signal Connectors


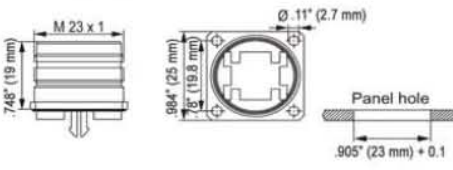
| Technical Data | Materials and Technical Data |
|-------------------------------------|--|
| Housing | Brass Alloy, Die Cast |
| Housing Surface | Nickel Plated |
| Inserts (for contacts) | PBT UL-94 V0, PA 6 |
| Contacts | Brass Alloy |
| Contact Surface at point of contact | Depends on RJ 45 type used |
| Seals / O-Rings | Buna-N (NBR) / Viton (FKM) |
| Temperature Range | Depends on RJ 45 type used |
| Degree of Protection | IP 67 / IP 69 K per EN 60529 (mated) |
| Cable diameter range | .12 - .28" (3 - 7 mm), .28 - .47" (7 - 12 mm) .43 - .67" (11 - 17 mm) |
| Number of Positions | 4 / 6 / 8 poles, optional 4 + 2 / 6 + 2 / 8 + 2 |
| Nominal Current ¹⁾ [A] | Depends on RJ 45 type used |
| Nominal Voltage ²⁾ [V~] | Depends on RJ 45 type used |
| Test Voltage [V~] | Depends on RJ 45 type used |
| Insulation Resistance [MΩ] | Depends on RJ 45 type used |
| Max. Crossover Resistance [mΩ] | Depends on RJ 45 type used |
| Max. Data Rate | Depends on RJ 45 type used |


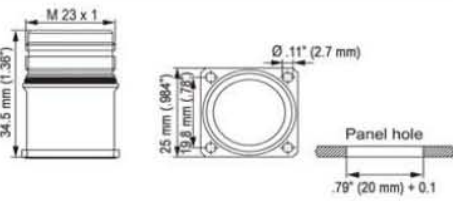
^{1) 2)} See Technical Information page 14

Connectors M 23 RJ 45 / Housing

| Straight Connector Female Thread | | Cable-Ø | Part Number |
|---|---|---|---------------|
|  |  | 3 – 7 mm (.12 - .28") | 7.R10.400.000 |
| | | Connector with insert for patch cable | |
| | | Suitable patch cable can be recommended | |
| Assembly instructions page 61 | | | |

| Straight Connector Male Thread | | Cable-Ø | Part Number |
|--|--|---------------------------------------|---------------|
|  |  | 3 – 7 mm (.12 - .28") | 7.R20.408.000 |
| | | Incl. 8 poles coupler, fully occupied | |
| Assembly instructions page 62 | | | |

| Panel Connector Front Mount, dip solder insert | | Type | Part Number |
|---|---|-------------------------------------|---------------|
|  |  | 4 holes 2.7 mm, Flange | 7.R40.008.000 |
| | | Incl. 8 poles dip solder insert | |
| | | 4 holes 2.7 mm, Flange | 7.R40.082.000 |
| | | Incl. 8 + 2 poles dip solder insert | |

| Panel Connector, Front Mount | | Type | Part Number |
|---|---|---------------------------------------|---------------|
|  |  | with vibration protection | |
| | | 4 holes 2.7 mm, Flange | 7.R41.008.000 |
| | | Incl. 8 poles coupler, fully occupied | |

Connectors M23 RJ45 / Housing

| Type | Part Number | Single Hole Panel Connector | |
|---|-------------|-----------------------------|--|
| Front Mount M20 x1,5 thread7.R42.008.000 Incl. 8 poles coupler, fully occupied | | | |
| Optional: Gasket M20 x 1,5, Locking Nut | | | |

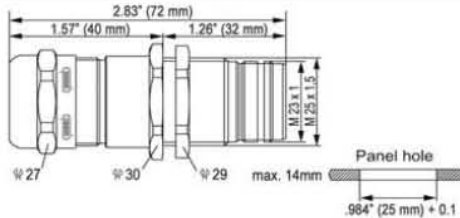
| Type | Part Number | Single Hole Panel Connector | |
|---|-------------|-----------------------------|--|
| Rear Mount M25 x 1,5 thread7.R50.008.000 Incl. 8 poles coupler, fully occupied | | | |
| M25 x 1,5 Locking Nut included | | | |

| Type | Part Number | Right Angle Panel Connector, Male Thread | |
|--|-------------|--|--|
| 300° rotating, locking screw at flange 4 holes 2.7 mm, Flange7.R43.008.000 Incl. 8 poles coupler, fully occupied | | | |
| Optional: Gasket | | | |
| Simple installation with M2.5 screws | | | |

| Type | Part Number | Panel Connector Rear Mount, dip solder insert | |
|--|-------------|---|--|
| with vibration protection 4x M3 thread, Flange7.R45.008.000 Incl. 8 poles dip solder insert | | | |
| 4x M3 thread, Flange7.R45.082.000 Incl. 8 + 2 poles dip solder insert | | | |

Connectors M 23 RJ 45 / Housing

Single Hole Panel Connector with strain relief



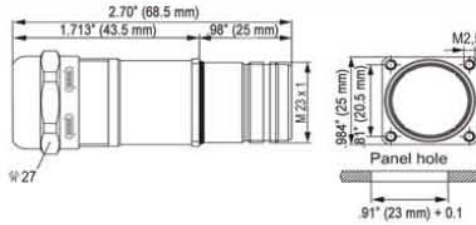
Type

Part Number

Single Hole, RearMount, M25 x 1,5 thread
3 – 7 mm (.12- .28")7.R52.408.000
Incl. 8 poles coupler, fully occupied

M25 x 1,5 Locking Nut included







Panel Connector with strain relief



Type

Part Number

4x M2,5 thread, Flange, Rear Mount
3 – 7 mm (.12- .28")7.R47.408.000
Incl. 8 poles coupler, fully occupied

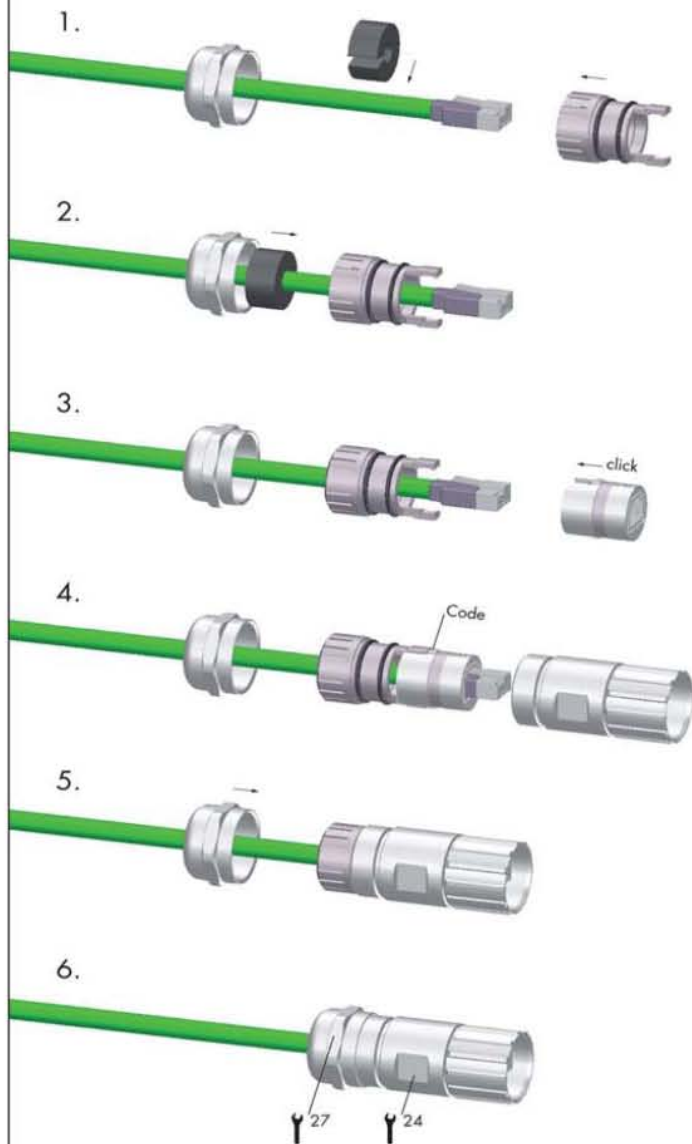
| Type | Part Number | Accessories |
|---|-------------|---|
| Plastic protective cap for connectors with male thread7.000.900.101 for connectors with female thread7.000.900.102 | |  |
| Brass protective cap for connectors with female thread7.010.900.183 | |  |
| Brass protective cap for connectors with male thread7.010.900.102 | |  |
| Brass protective cap with chain for connectors with female threadLength 70 mm7.010.9S0.783Length 100 mm7.010.9S1.083 | |  |
| Brass protective cap with chain for connectors with male threadLength 70 mm7.010.9S0.702Length 100 mm7.010.9S1.002 | |  |
| Adapter flange for straight connectors7.010.900.128 | |  |

Connectors M23 RJ45 / Accessories

| Accessories | Type | Part Number |
|--|---|---|
|  | Adapter for Conduit Fittings | Snapflex 16..... 7.010.900.204 DN 12 7.010.900.205 Snapflex 20..... 7.010.900.206 DN 14 7.010.900.207 Snapflex 25..... 7.010.900.208 DN 17 7.010.900.209 |
|  | Suitable patch cableon request | |
|  | Field attachable RJ45 Connector and Plugson request | |

Connectors M 23 RJ 45 / Assembly Instructions

Straight Connector, Female Thread



Connectors M 23 RJ 45 / Assembly Instructions

Male Threaded Connector

