

MVP-METALL, 8XM12, 5POLE, M23 19POL. CON.

Connector exit st the top

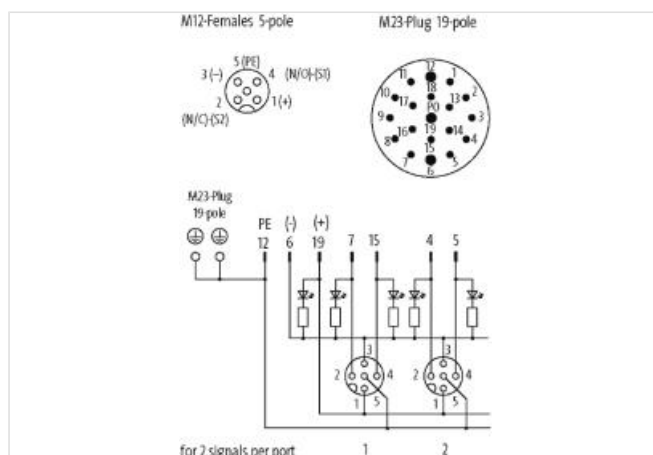
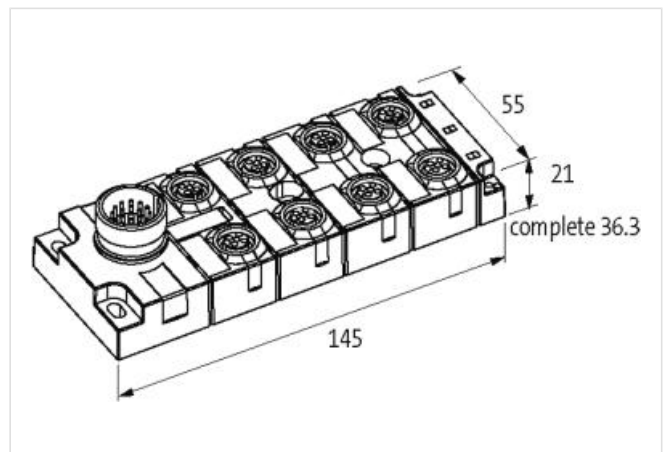
8-way, 5-pole, DIAGNOSTIC

M23 plug connection

19-pole used

Operating current: 2 A per M12 (female)

All M12 ports are current monitored regarding 0 V total current (contact 3), and are switched off in case of overload or short-circuit (self-resetting). Operating voltage remains the same. In case of a fault the DIAGNOSTIC signal "active high" to the PLC (M23 PIN 18) drops from 18 V DC to 24 V. The operator can immediately react by analysing the diagnostic signal. - less downtime - easy trouble-shooting due to red LED "ERROR" and red LED at the plug position.

[Link to Product](#)**Illustration**

Product may differ from Image

**Commercial data**

ECLASS-6.0

27279219

| | |
|-----------------------|---------------|
| ECLASS-6.1 | 27279219 |
| ECLASS-7.0 | 27279219 |
| ECLASS-8.0 | 27279219 |
| ECLASS-9.0 | 27440108 |
| ECLASS-10.1 | 27440111 |
| ECLASS-11.1 | 27440111 |
| ECLASS-12.0 | 27440111 |
| ETIM-5.0 | EC002585 |
| customs tariff number | 85369010 |
| GTIN | 4048879063531 |
| Packaging unit | 1 |

Electrical data | Supply

| | |
|--------------------------|-------|
| Operating voltage DC | 24 V |
| Current consumption max. | 35 mA |
| Total current max. | 10 A |

Electrical data | Input

| | |
|---|------|
| Current input full equipment min. | 20 A |
| Current carrying capacity per port max. | 2 A |

Electrical data | Output

| | |
|--------------------------------|-------------|
| Diagnostic output | active high |
| Current diagnostic output max. | 25 mA |

Installation | Connection

| | |
|--------------|---------|
| Mounting set | M12 x 1 |
|--------------|---------|

Device protection | Electrical

| | |
|--|-------------------|
| Degree of protection (EN IEC 60529) | IP65, IP67, IP68 |
| Additional condition protection degree | inserted, screwed |
| Overload resistant | yes |
| Short-circuit protected | yes |
| Short circuit current min. | 2,6 A |
| Short circuit current max. | 3,1 A |
| Overload current min. | 2,6 A |
| Overload current max. | 3,1 A |

Mechanical data | Material data

| | |
|------------------|------------------|
| Coating housing | Nickel |
| Material housing | Zinc die-casting |

Mechanical data | Mounting data

| | |
|-----------------|----------------|
| Mounting method | Schraubgewinde |
| Height | 145 mm |
| Width | 55 mm |
| Depth | 21 mm |

Environmental characteristics | Climatic

| | |
|----------------------------|--------|
| Operating temperature min. | -20 °C |
| Operating temperature max. | 60 °C |

Conformity

| | |
|------------------|------------|
| Product standard | EN 61131-2 |
|------------------|------------|

Connection type 2

| | |
|--------------------------|--------|
| Family construction form | M12 |
| Gender | female |
| Color contact carrier | black |
| Coding | A |

| | |
|--------------------------|-------------------|
| No. of poles | 5 |
| PIN 1 | + |
| PIN 2 | NC S 2 |
| PIN 3 | - |
| PIN 4 | NO S 1 |
| PIN 5 | PE |
| Family construction form | M23 |
| Gender | male |
| Color contact carrier | black |
| Coding | A |
| No. of poles | 19 |
| PIN 1 | VT |
| PIN 2 | RD |
| PIN 3 | GY |
| PIN 4 | RD / BU |
| PIN 5 | GN |
| PIN 6 | BU |
| PIN 7 | GY / PK |
| PIN 8 | WH / GN |
| PIN 9 | WH / YE |
| PIN 10 | WH / GY |
| PIN 11 | BK |
| PIN 12 | YE / GN |
| PIN 13 | YE / BN |
| PIN 14 | BN / GN |
| PIN 15 | WH |
| PIN 16 | YE |
| PIN 17 | PK |
| PIN 18 | GY / BN diagnosis |
| PIN 19 | BN |