

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

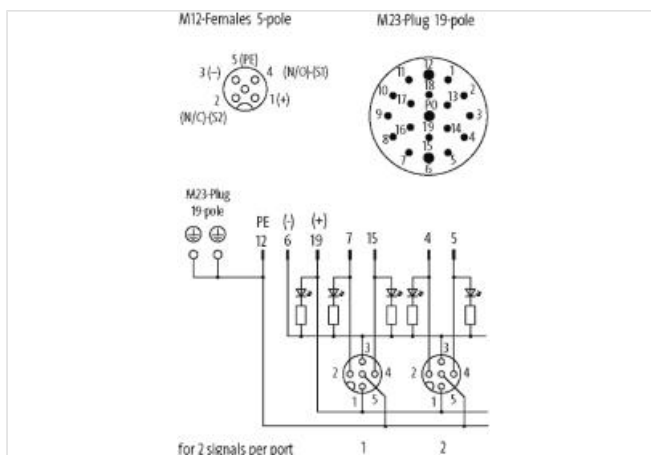
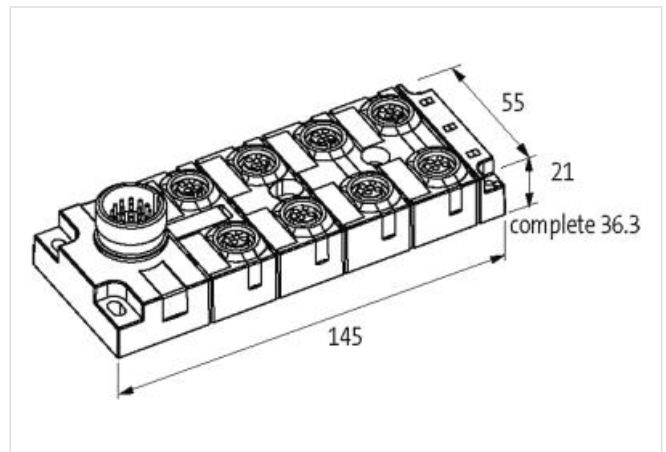
Connector exit frontside

8-way, 5-pole, DIAGNOSTIC

M23 plug connection

19-pole used

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                  | 4048879063548 |
| 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.       | 10 A  |
| Current carrying capacity per port max. | 0,5 A |

**Electrical data | Output**

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

**Diagnostics**

|                       |            |
|-----------------------|------------|
| Status indication LED | green, red |
|-----------------------|------------|

**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.             | 0,7 A             |
| Short circuit current max.             | 0,9 A             |
| Overload current min.                  | 0,7 A             |
| Overload current max.                  | 0,9 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                |