



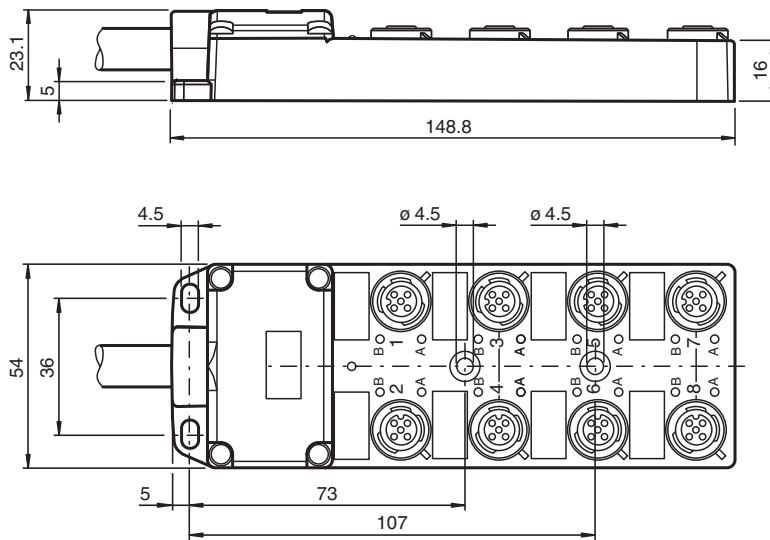
## Splitter boxes V1-8A-E2-10M-PUR

- LED indicator for module supply and I/O status
- UL Recognized Component
- Suitable for drag chains and abrasion resistant

Octuple splitter box with M12 connector with trunk cable



### Dimensions



### Technical Data

#### General specifications

|                |         |
|----------------|---------|
| Number of pins | 4       |
| UL File Number | E191152 |

#### Indicators/operating means

|            |                            |
|------------|----------------------------|
| LED green  | supply voltage each module |
| LED yellow | I/O status indication      |

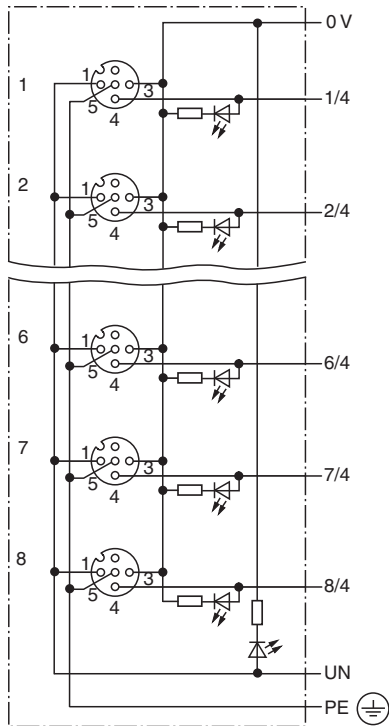
#### Electrical specifications

|                   |       |                                       |
|-------------------|-------|---------------------------------------|
| Operating voltage | $U_B$ | 24 V DC, max. 30 V DC                 |
| Operating current | $I_B$ | ≤ 5 mA per channel indication element |

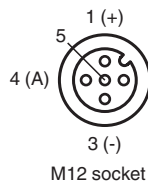
## Technical Data

|                                                 |   |                                                                                                                                         |
|-------------------------------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------|
| Current loading capacity                        |   | ≤ 2 A per channel,<br>≤ 4 A per plug-in station,<br>≤ 12 A total current per separator                                                  |
| <b>Output</b>                                   |   |                                                                                                                                         |
| Number/Type                                     |   | 8                                                                                                                                       |
| <b>Compliance with standards and directives</b> |   |                                                                                                                                         |
| Standard conformity                             |   |                                                                                                                                         |
| Degree of protection                            |   | EN 60529                                                                                                                                |
| Flammability                                    |   | DIN EN 50265-2-1                                                                                                                        |
| <b>Ambient conditions</b>                       |   |                                                                                                                                         |
| Ambient temperature                             |   | housing: -25 ... 80 °C (-13 ... 176 °F)<br>cable, flexing: -5 ... 80 °C (23 ... 176 °F)<br>cable, fixed: -40 ... 90 °C (-40 ... 194 °F) |
| <b>Mechanical specifications</b>                |   |                                                                                                                                         |
| Connection type                                 |   | 8 x socket M12 x 1 4-pin<br>Master cable                                                                                                |
| Degree of protection                            |   | IP65/IP67                                                                                                                               |
| Material                                        |   |                                                                                                                                         |
| Contacts                                        |   | Cu alloy                                                                                                                                |
| Contact surface                                 |   | Au                                                                                                                                      |
| Housing                                         |   | PBT                                                                                                                                     |
| Threaded bushings                               |   | PBT                                                                                                                                     |
| Cable                                           |   | PUR                                                                                                                                     |
| Seal                                            |   | O-ring: NBR                                                                                                                             |
| Core insulation                                 |   | PVC                                                                                                                                     |
| Cable                                           |   |                                                                                                                                         |
| Sheath diameter                                 |   | Ø 8.5 mm                                                                                                                                |
| Bending radius                                  |   | > 10 x cable diameter, moving<br>> 7.5 x cable diameter, fixed                                                                          |
| Color                                           |   | black                                                                                                                                   |
| Coors                                           |   | Signalling line (4): 8 x 0.34 mm <sup>2</sup> (AWG 22)<br>Supply line (1, 3), PE (5): 3 x 0.75 mm <sup>2</sup> (AWG 18)                 |
| Conductor construction                          |   | 19 x 0.15 mm Ø and 42 x 0.15 mm Ø                                                                                                       |
| Length                                          | L | 10 m                                                                                                                                    |
| Drag chain suitability                          |   |                                                                                                                                         |
| Drag chain cycles                               |   | min. 1500000                                                                                                                            |
| Motion velocity                                 |   | max. 2 m/s                                                                                                                              |
| Traverse distance                               |   | 2 m                                                                                                                                     |
| Mass                                            |   | approx. 1300 g                                                                                                                          |





Connection



| Slot/Pin (signal) | Color |
|-------------------|-------|
| 1 / 4 (A)         | WH    |
| 2 / 4 (A)         | GN    |
| 3 / 4 (A)         | YE    |
| 4 / 4 (A)         | GY    |
| 5 / 4 (A)         | PK    |
| 6 / 4 (A)         | RD    |
| 7 / 4 (A)         | BK    |
| 8 / 4 (A)         | VT    |
| 1-8 / 1 (UN)      | BN    |
| 1-8 / 3 (0 V)     | BU    |
| 1-8 / 5 (PE)      | GN/YE |



Accessories

|                                                                                     |                          |                                              |
|-------------------------------------------------------------------------------------|--------------------------|----------------------------------------------|
|  | <b>MH 05-SACB-8</b>      | Mounting aid for splitter boxes for DIN rail |
|  | <b>MH V1-BIT M12</b>     | plug-in cap M12                              |
|  | <b>MH V1-SCREWDRIVER</b> | torque screwdriver (0.6 Nm)                  |
|  | <b>VAZ-V1-B3L</b>        | Blind plug for M12 sockets                   |