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|---------------------------|---------------------------|------------------------------------------------------------------------------------|
| 22260014                  | <b>DATA SHEET</b>         |  |
| Valid from:<br>17.09.2018 | <b>AB-B8-M12-8-5,0PUR</b> |                                                                                    |

## Description

- Sensor/actuator box
- Connection methods: rapid interlock without LED master cable, markers and single-assigned slots
- slots: 8, cable length: 5 m



|                                               |                  |
|-----------------------------------------------|------------------|
| Number of slots:                              | 8                |
| Nominal voltage $U_N$ :                       | 120 V            |
| Max. current carrying capacity per path:      | 2 A              |
| Total current:                                | $\pm 12$ A       |
| Connection type:                              | Individual wires |
| Current carrying capacity per slot:           | 4 A              |
| Number of poles:                              | 4                |
| Degree of protection:                         | IP65/IP67/IP69K  |
| Status display:                               | no               |
| Inflammability class acc. to UL 94:           | V0               |
| Contact surface material:                     | Gold-plated      |
| Material, O-ring:                             | NBR              |
| Material of the moulding mass:                | PUR              |
| Material of threaded sleeve:                  | Zinc die-cast    |
| Material of threaded sleeve surface:          | Nickel-plated    |
| Tightening torque slot sensor/actuator cable: | 0.4 Nm           |
| Tightening torque screw plug:                 | 0.4 Nm           |

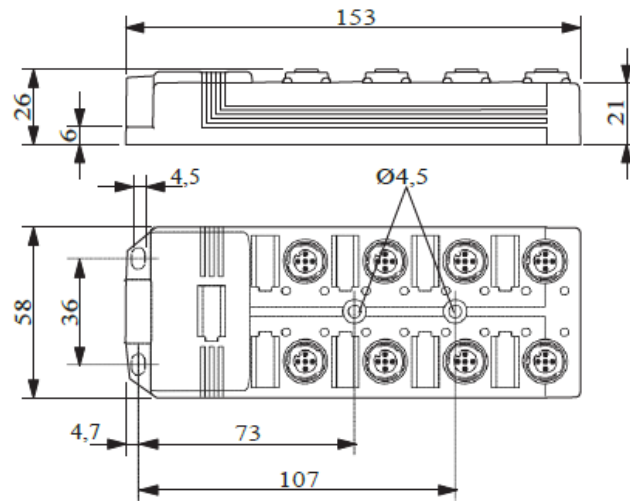
## Conductor data

|                                           |                                                  |
|-------------------------------------------|--------------------------------------------------|
| Cable types:                              | Master cable suitable for flexible cable conduit |
| Outer diameter:                           | 8.5 mm                                           |
| Conductor structure, voltage supply:      | 42x0.15 mm                                       |
| Conductor structure, signal line:         | 19x0.15 mm                                       |
| AWG power supply:                         | 19                                               |
| AWG signal line:                          | 22                                               |
| Power supply cross section:               | 3x0.75 mm <sup>2</sup>                           |
| Signal line cross section:                | 8x0.34 mm <sup>2</sup>                           |
| Max. bending cycles:                      | 1500000                                          |
| Traversing path:                          | 2 m                                              |
| Traversing rate:                          | 2 m/s                                            |
| Slot/position = Wire color or connection: | 1 / 4 (A) = WH                                   |

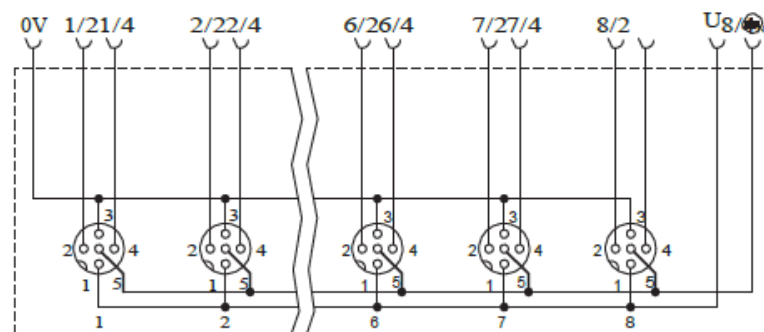
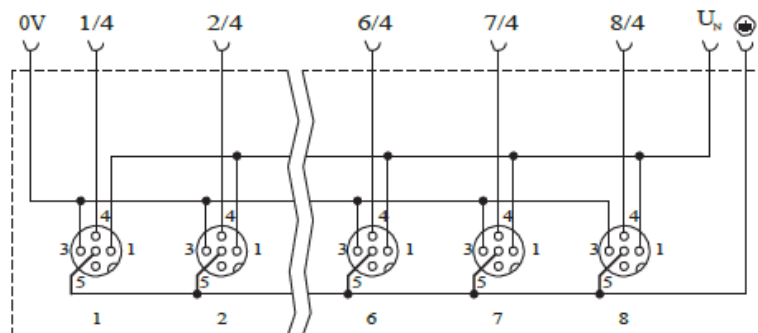
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|-------------------------------------------|---------------------------------------|-------------|

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|---------------------------|---------------------------|------------------------------------------------------------------------------------|
| 22260014                  | <b>DATA SHEET</b>         |  |
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## Technical drawing



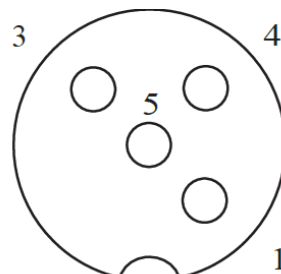
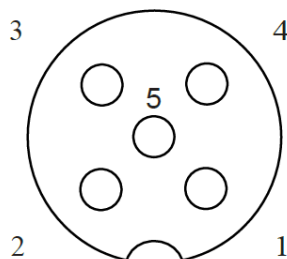
## Circuit diagram



|                                           |                                       |             |
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|-------------------------------------------|---------------------------------------|-------------|

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|---------------------------|---------------------------|------------------------------------------------------------------------------------|
| 22260014                  | <b>DATA SHEET</b>         |  |
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## Schema drawings



## Pin assignment

Slot/ position = Wire color or connection

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 (+ 120 V) = BN  
 1-8 / 3 (0 V) = BU  
 1-8 / 5 (PE) = GN/YE

## Application range

Automation, industrial machinery and plant engineering

## Note

Photographs are not true to scale and do not represent detailed images of the respective products.

|                                           |                                       |             |
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|-------------------------------------------|---------------------------------------|-------------|