

22260028	<b>DATA SHEET</b>	
Valid from: 09.11.2018	<b>AB-B6-M8L-6-(L*)PUR</b>	

## Description

- Sensor / actuator distribution box with LEDs
- Connection method: M8-jack, A-coded
- Slots: 6



## General characteristics

Connection method, trunk cable	fix termination
Connection method, sensor / actuator	M8-jack, A-standard
Number of slots	6
Number of pins	3
Ambient temperature	-30 to +80 °C (-22°F to +176°F) (connector) -40 to +90 °C (-40°F to +194°F) (cable, fixed installation) -5 to +80 °C (+23°F to +176°F) (cable, flexible)
Degree of protection	IP 65 / IP 67
Local Diagnosis	LED green (Supply voltage) LED yellow (Status indicator I/O)

## Variants

Material	Description	Length (L*) [m]
22260028	AB-B6-M8L-6-5,0PUR	5.0 m
22260029	AB-B6-M8L-6-10,0PUR	10.0 m

## Electrical properties

Rated voltage	24 VDC
Current load ability per slot (max.)	2 A
Total current	6 A

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## Mechanical properties

### S/A-Box

Flammability class according to UL94	V0
Housing	PBT
potting compound	PUR
Contact	CuSn
Contact Surface	Ni / Au
Contact Carrier	PA
Threaded Sleeve	Cu Alloy
threaded sleeve Surface	Nickel plated
Seal	NBR
Tightening torque slot sensor / actuator cable	0.2 Nm

### Line

Cable construction	6xAWG 22/19 (Signal line) 2xAWG 18/42 (Power Supply)
Conductor diameter including insulation	1.3 mm ±0.1 mm (Signal Line) 1.8 mm ±0.1 mm (Power Supply)
Cable outer diameter	7.6 mm ±0.2 mm
Sheath colour	black, acc. to RAL 9005
Bending radius	76 mm
Number of bending cycle	1.500.000
Traveling distance	2 m
Travel speed	2 m/s
Acceleration	10 m/s <sup>2</sup>
Cable weight	81.2 kg/km
Outer coating, material	PUR
Wire insulation, material	PVC
Flame Resistance	acc. DIN EN 50265
Oil Resistance	acc. VDE 0472 part 803

## Connector Pin Assignment

Slot / pins = colour or connection	1 / 4 (A) = WN 2 / 4 (A) = GN 3 / 4 (A) = YE 4 / 4 (A) = GY 5 / 4 (A) = PK 6 / 4 (A) = RD 1-6 / 1 (+ 24 V) = BN 1-6 / 3 (0 V) = BU
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## Standards / Approvals

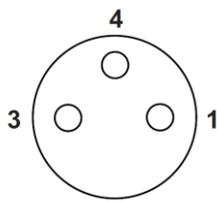
Product standard, M8 connector	IEC 61076-2-104
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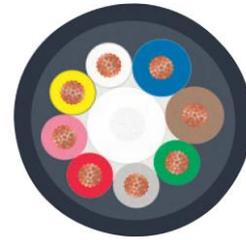
## Technische Zeichnungen

Drawing

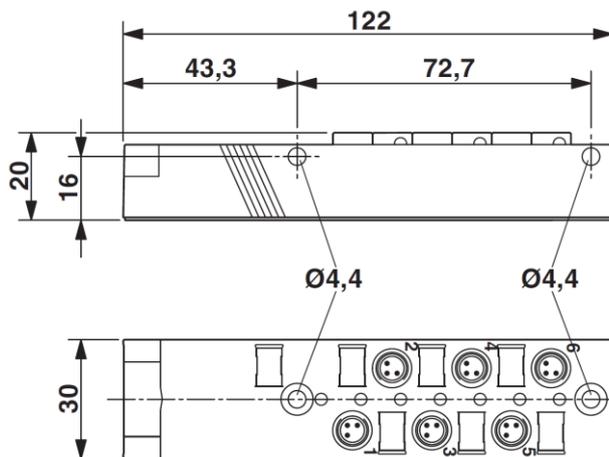


M8-jack, 3-pins, Slot 1-6

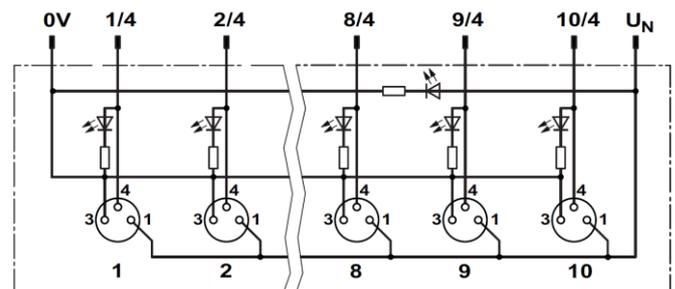
Cable Cross section



Dimensional drawing



Circuit diagram



## 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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