


22260032	DATA SHEET	
Valid from: 17.09.2018	AB-B10-M8L-10-5,0PUR	

Description

- Sensor / actuator distribution box with LEDs
- Connection method: M8-jack, A-standard
- Slots: 10



General characteristics

Connection method, trunk cable	Fix termination
Connection method, sensor / actuator	M8-jack, A-standard
Number of slots	10
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	IP65 / IP67
Local diagnosis	LED green (Supply voltage) LED yellow (Status indicator I/O)


Variation

Material	Description	Length
22260032	AB-B10-M8L-10-5,0PUR	5 m
22260033	AB-B10-M8L-10-10,0PUR	10 m

Electrical properties

Rated voltage	24 VDC
Current load ability per I / O signal	2 A
Total current	6 A

Creator: ERTC1/PDP Released: IVSE1/PDP	Document: DB22260032EN Version: 04	Page 1 of 3
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Mechanical properties

S/A-Box

Inflammability class according to UL 94	V0
Housing	PBT
Potting compound	PUR
Contact	CuSn
Contact surface	Ni / Au
Contact carrier	PA
Threaded sleeve	Cu allow
Threaded sleeve surface	Nickel plated
Seal	NBR
Tightening torque slot S/A cable	0.2 Nm

Line

Cable construction	10x AWG22/19 (data line) 2x AWG18/42 (power supply)
Conductor diameter including isolation	1.3 mm ±0.1 mm (signal line) 1.8 mm ±0.1 mm (power line)
Cable outer diameter	8.6 mm ±0.2 mm
Sheath colour	Black RAL 9005
Bending radius	86 mm
Number of bending cycle	1500000
Traveling distance	2 m
Travel speed	2 m/s
Cable weight	111.1 kg/km
Outer coating, material	PUR
Material wire insulation	PVC
Flame resistance	DIN EN 50265
Oil resistance	acc. VDE 0472 part 803


Connector pin assignment

Slot / pol = colour 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 9 / 4 (A) = WH/PK 10 / 4 (A) = PK/BN 1-10 / 1 (+24 V) = BN 1-10 / 3 (0 V) = BU
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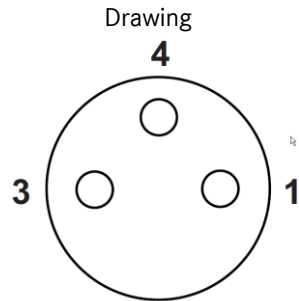
Standards / Approvals

Product standard, M8 connector	IEC 61076-2-104
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Creator: ERTC1/PDP Released: IVSE1/PDP	Document: DB22260032EN Version: 04	Page 2 of 3
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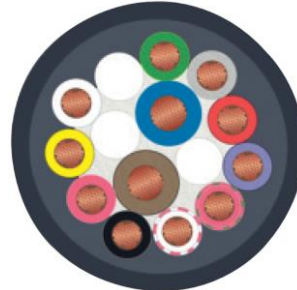
22260032	DATA SHEET	
Valid from: 17.09.2018	AB-B10-M8L-10-5,0PUR	

Technical drawing

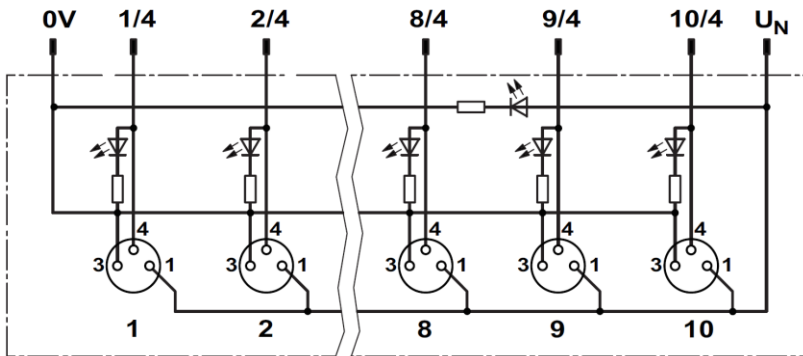


M8-jack, 3-pol, slots 1-10

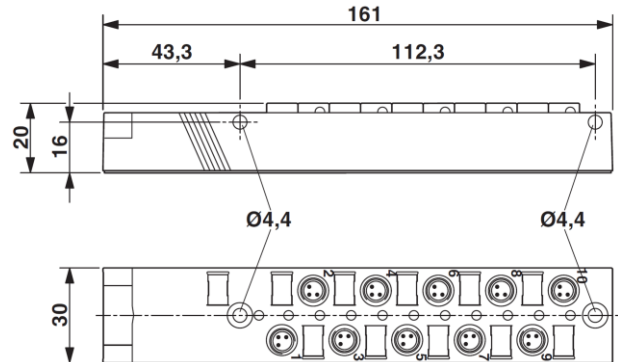
Wire cross section



Circuit diagram



Dimensional drawing



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.

Creator: ERTC1/PDP Released: IVSE1/PDP	Document: DB22260032EN Version: 04	Page 3 of 3
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