Description

- Sensor / actuator distribution box with LEDs

- Connection method: M8-jack, A-standard

- Slots: 6

General characteristics

Connection method, trunk cable	M12-plug connector
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)
Degree of protection	IP65 / IP67
Local diagnosis	LED green (Supply voltage)
	LED yellow (Status indicator I/O)

Electrical properties

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

Mechanical properties

Inflammability class according to UL 94	V0
Housing	PBT
Potting compround	PUR
Contact	CuSn
Contact surface	Ni / Au
Contact carrier	PA
Contact, trunk cable plug connector	Cu alloy
Threaded sleeve	Cu alloy
Threaded sleeve surface	Nickel plated
O-ring	NBR
Tightening torque trunk cable, plug connector	0.4 Nm
Tightening torque slot s/a-wire	0.2 Nm

Connector pin assignment

slot / pin = color or connection	1 / 4 (A) = 1
	2 / 4 (A) = 2
	3 / 4 (A) = 3
	4 / 4 (A) = 4
	5 / 4 (A) = 6
	6 / 4 (A) = 8
	1-6 / 1 (+ 24 V) = 5
	1-6 / 3 (0 V) = 7

Standards / Approvals

Product standard, M8 connector	IEC 61076-2-104
Product standard, M12 connector	IEC 61076-2-101

Technical drawing

Drawing
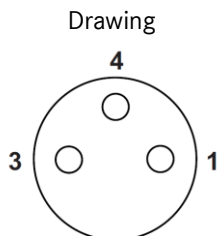
M8-jack, 3-pins, slot 1-6

Drawing

M12-plug connector, 8-pins

Dimensional drawing

Circuit diagram
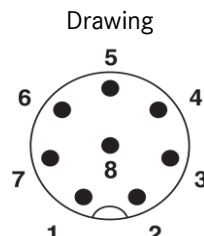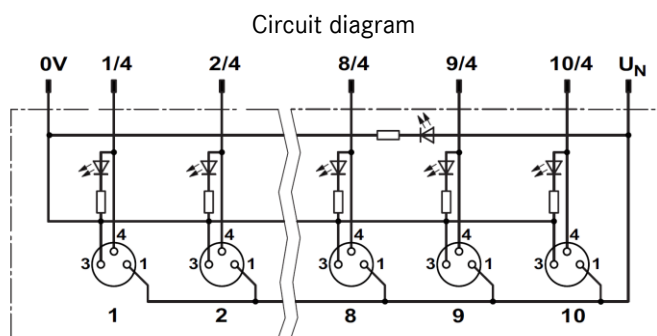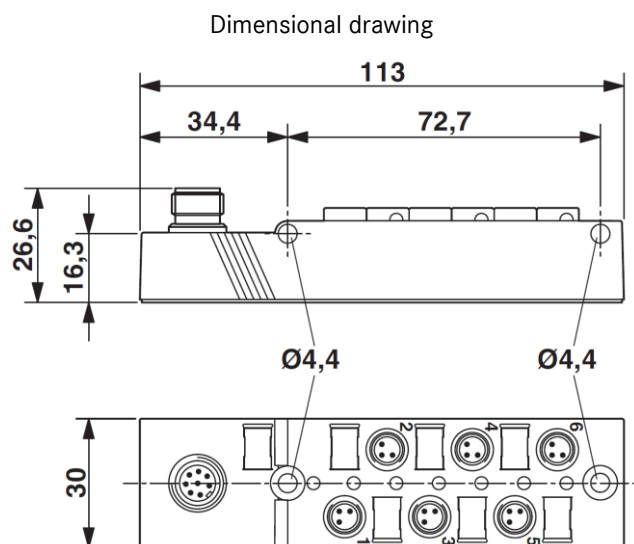
Application range
Automation, industrial machinery and plant engineering

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