


2226020	DATA SHEET	
Valid from: 17.09.2018	AB-B8-M16-L-M23	

Description

- Sensor/actuator box
- Connection methods: rapid interlock with LED master cable, markers and double-assigned slots
- slots: 8, cable length: 10 m



General data

Nominal voltage U_N	120 V
Operation voltage U_{max}	135 V
Current carrying capacity per path max.	2 A
Current carrying capacity per slot	4 A
Total rated current	12 A
Number of pins	5
Number of slots	8
Degree of protection	IP65/IP67
Inflammability class acc. to UL 94	V0
Ambient temperature (operation)	-20 °C ... 75 °C
Connection type sensor/actuator	M12-socket
Local diagnostics	supply voltage (LED green) status display I/O (LED yellow)

Master cable data/connection data

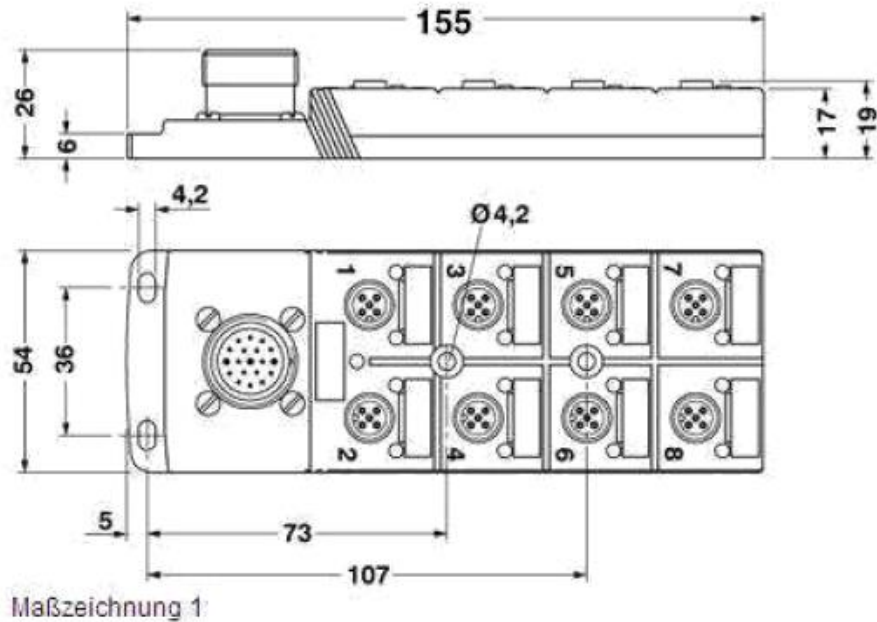
Connection method	M23 plug
connection Tightening torque slot sensor/actuator cable	0.4 Nm
Tightening torque	0.4 Nm

Insulation material

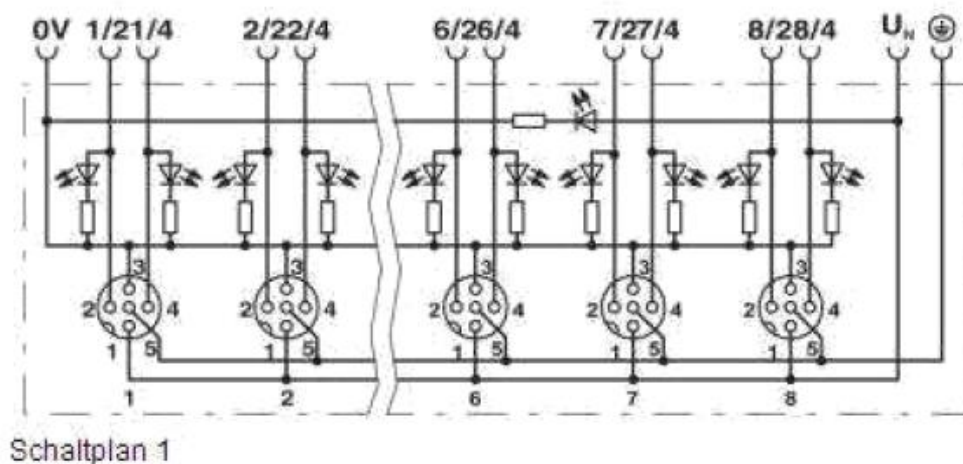
Housing material	PA
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PA
Material of contact, master cable side	Cu alloy
Material of contact surface, master cable side	gold-plated
Material of threaded sleeve	die-cast zinc
O-ring material	NBR

Creator: FELI1/PDP Released: IVSE1/PDP	Document: DB22260620EN Version: 04	Page 1 of 3
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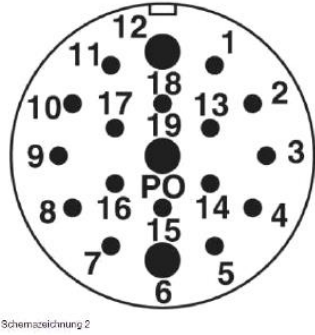
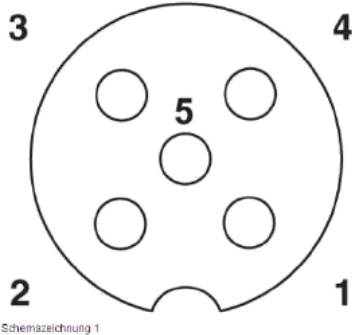
Technical drawing



Circuit diagram



Schema drawings



Pin assignment

Slot/ position = Wire color or connection

- 1 / 4 (A) = 15
- 1 / 2 (B) = 7
- 2 / 4 (A) = 5
- 2 / 2 (B) = 4
- 3 / 4 (A) = 16
- 3 / 2 (B) = 8
- 4 / 4 (A) = 3
- 4 / 2 (B) = 14
- 5 / 4 (A) = 17
- 5 / 2 (B) = 9
- 6 / 4(A) = 2
- 6 / 2 (B) = 13
- 7 / 4 (A) = 11
- 7 / 2 (B) = 10
- 8 / 4 (A) = 1
- 8 / 2 (B) = 18
- 1-8 / 1 (+ 120 V) = 19
- 1-8 / 3 (0 V) = 6
- 1-8 / 5 (PE) = 12

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.