

22260618	DATA SHEET	
Valid from: 09.11.2018	AB-B6-6-L-M23	

Description

S/A box, with LED, with M23 plug connection and single-occupied slots, marker tags, slots: 6



The illustration shows a version with 6 slots

General characteristics

Nominal voltage UN	24 V DC
Max. operating voltage Umax	30 V DC
Max. current carrying capacity per path	2 A
Current carrying capacity per slot	4 A
SACB total current	12 A
Operating current of the indicator elements	≤ 5 mA
Number of positions	4
Number of slots	6
Degree of protection	IP65/IP67
Inflammability class acc. to UL 94	V0
Ambient temperature (operation)	-20 °C ... 75 °C
Sensor/actuator connection system	M12 female connector

Local diagnostics function

Local diagnostics	Supply voltage LED green
	Status display I/O Yellow LED

Master cable data

Type of connection	M23 plug connection
Tightening torque slot sensor/actuator cable	0.4 Nm
Tightening torque screw plug	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	Zinc die-cast
Material, O-ring	NBR

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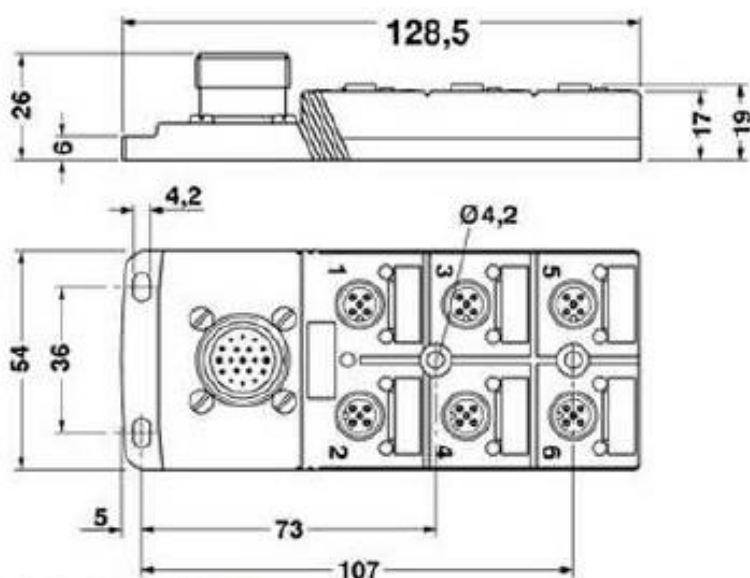
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Pin assignment

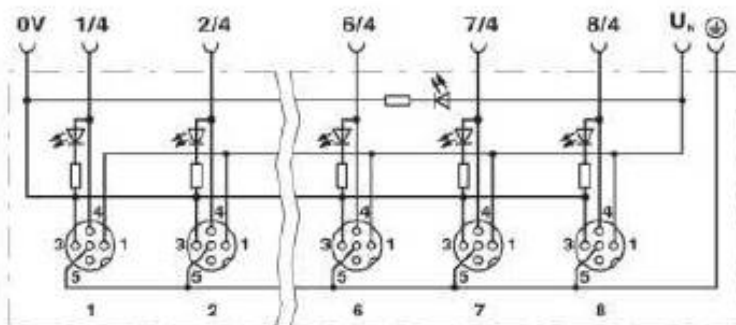
Slot/position = Wire color or connection

1 / 4 (A) = 1
 2 / 4 (A) = 2
 3 / 4 (A) = 3
 4 / 4 (A) = 4
 5 / 4 (A) = 5
 6 / 4 (A) = 6
 1-4 / 1 (+ 24 V) = 11
 1-4 / 3 (0 V) = 9+10
 1-4 / 5 (PE) = 12

Technical drawings and dimensions



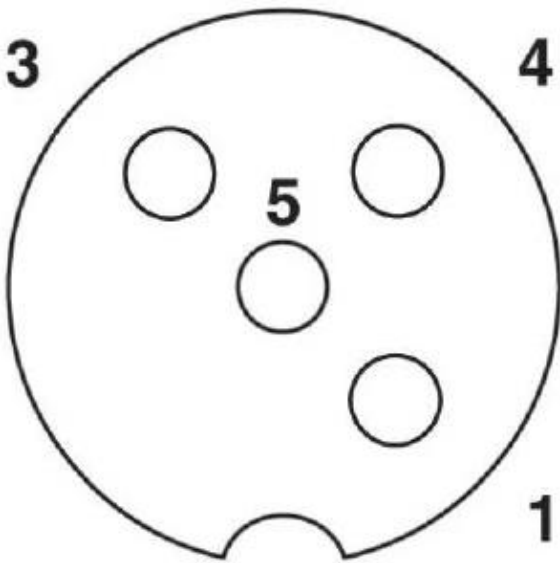
Dimensioned drawing 1



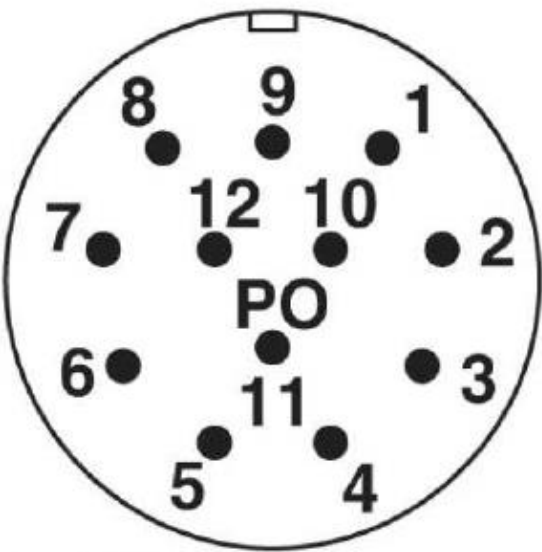
Circuit diagram 1

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Schematic diagram 1
M12 slot, socket, 4-pos.



Schematic diagram 2
M23 plug, connection pin, 12-pos.

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

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