

Sensor/actuator box - SACB-6/12-M23 180 - 1692763

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Sensor/actuator box, Connection method: M12 socket Plastic, Number of slots: 6, Number of positions: 5, Slot assignment: Double, Status indication: No, Universal; Master cable connection: M23 plug connection 180°, Shielding: No

The illustration shows a version with 8 slots

Product Features

- ✓ Safety in the field, thanks to molded housing and high degree of protection
- ✓ Flexible, distributed bundling of signals in one master cable
- ✓ Save space: distributor box with double occupancy for two sensors in one slot

Key commercial data

package_quantity	1
GTIN	4017918177836

Technical data

General

Rated voltage	120 V
Max. operating voltage U_{max}	135 V
Current carrying capacity per I/O signal	2 A
Current carrying capacity per slot	4 A
Total rated current	12 A
Number of positions	5
Number of slots	6
Inflammability class according to UL 94	V0
Sensor/actuator connection system	M12 socket

Ambient conditions

Degree of protection	IP65
Degree of protection	IP67
Ambient temperature (operation)	-20 °C ... 75 °C

Master cable data/connection data

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

Insulation material

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Technical data

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 the contact carrier on the master cable side	PA
Material of threaded sleeve	Zinc die-cast
Material, O-ring	NBR

Pin assignment

Slot/position = Wire color or connection	1 / 4 (A) = 15
Slot/position = Wire color or connection	1 / 2 (B) = 7
Slot/position = Wire color or connection	2 / 4 (A) = 5
Slot/position = Wire color or connection	2 / 2 (B) = 4
Slot/position = Wire color or connection	3 / 4 (A) = 16
Slot/position = Wire color or connection	3 / 2 (B) = 8
Slot/position = Wire color or connection	4 / 4 (A) = 3
Slot/position = Wire color or connection	4 / 2 (B) = 14
Slot/position = Wire color or connection	5 / 4 (A) = 17
Slot/position = Wire color or connection	5 / 2 (B) = 9
Slot/position = Wire color or connection	6 / 4 (A) = 2
Slot/position = Wire color or connection	6 / 2 (B) = 13
Slot/position = Wire color or connection	1-6 / 1 (+ 120 V) = 19
Slot/position = Wire color or connection	1-6 / 3 (0 V) = 6
Slot/position = Wire color or connection	1-6 / 5 (PE) = 12

classifications

eCl@ss

eCl@ss 4.0	27140815
eCl@ss 4.1	27140815
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 7.0	27449001
eCl@ss 8.0	27449001

ETIM

ETIM 2.0	EC000200
ETIM 3.0	EC001856
ETIM 4.0	EC002585
ETIM 5.0	EC002585

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classifications

UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	31261501

approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized /

Approval details

UL Recognized 	
Nominal voltage UN	120 V
Nominal current IN	
mm²/AWG/kcmil	22-16

cUL Recognized 	
Nominal voltage UN	120 V
Nominal current IN	
mm²/AWG/kcmil	22-16

GOST 

cULus Recognized 

accessories

Master cable, assembled

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accessories

RCK-TGUM/BL16+3/ 5,0PUR-U - 1684056



RCK-TGUM/BL16+3/10,0PUR-U - 1684069



RCK-TWUM/BL16+3/ 5,0PUR-U - 1684072



RCK-TWUM/BL16+3/10,0PUR-U - 1684085



V-RC/TGUM 13/KVD 13/LBL 16+3 - 1000042



V-RC/TWUM 13/KVD 13/LBL 16+3 - 1000044



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accessories

Protective cap

PROT-M12 - 1680539



MSK 1 - 1665897



MSK 2 - 1665907



KSK 1 - 1685013



Device marking

ZBN 18:UNBEDRUCKT - 2809128



Assembly tool

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accessories

PLUSCON-RCS - 1665062



Torque tool

TSD 04 SAC - 1208429



Screwdriver tools

SAC BIT M12-D15 - 1208432



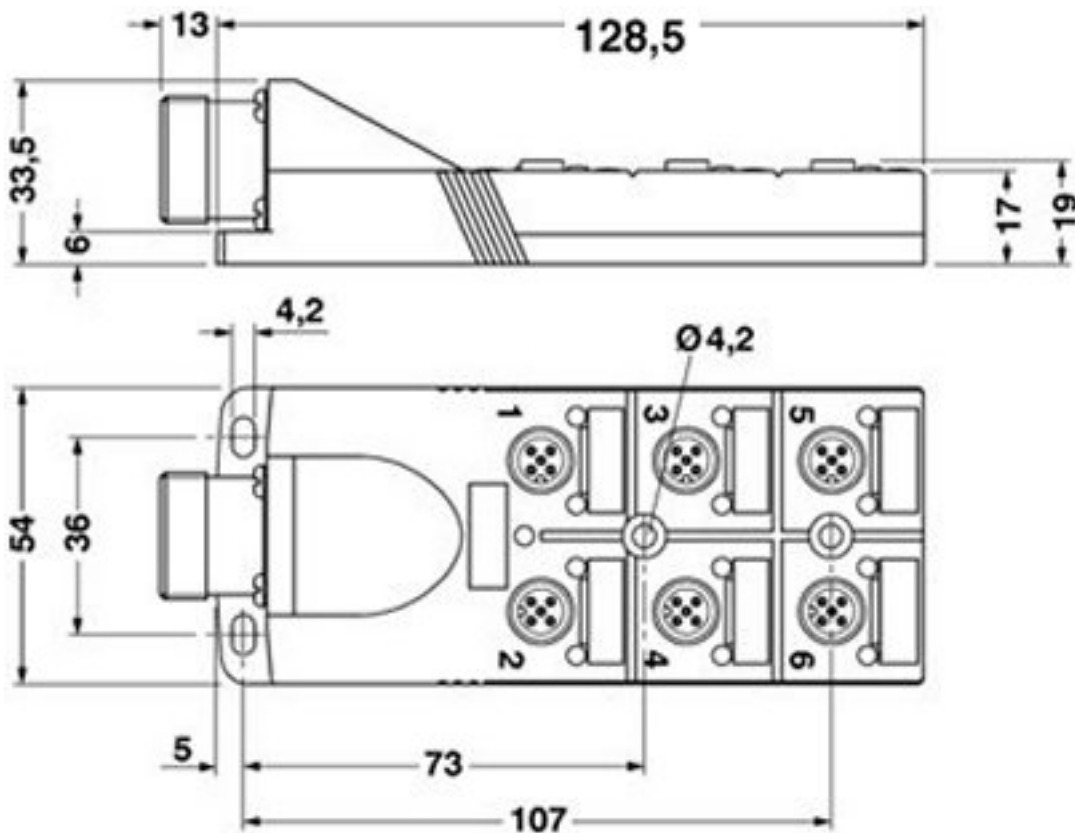
SACC BIT M12-D20 - 1208445



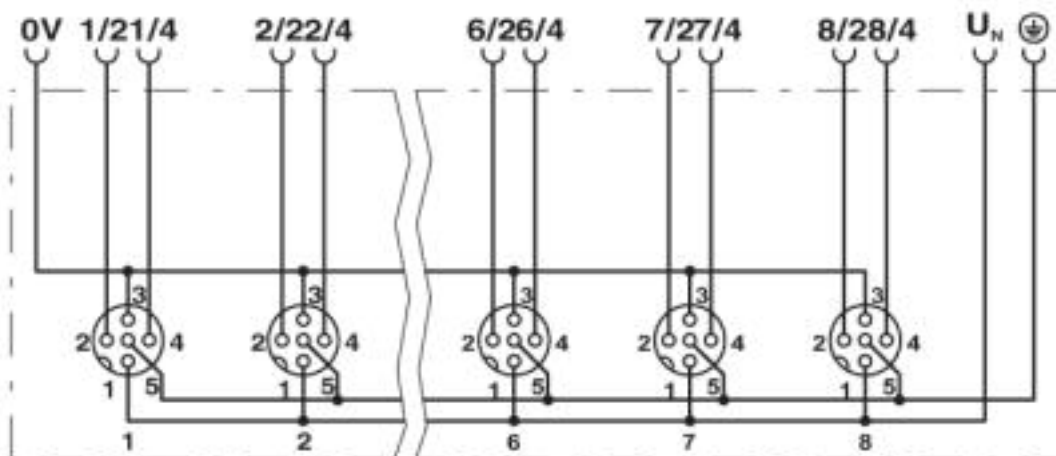
Drawings

Sensor/actuator box - SACB-6/12-M23 180 - 1692763

Dimensioned drawing

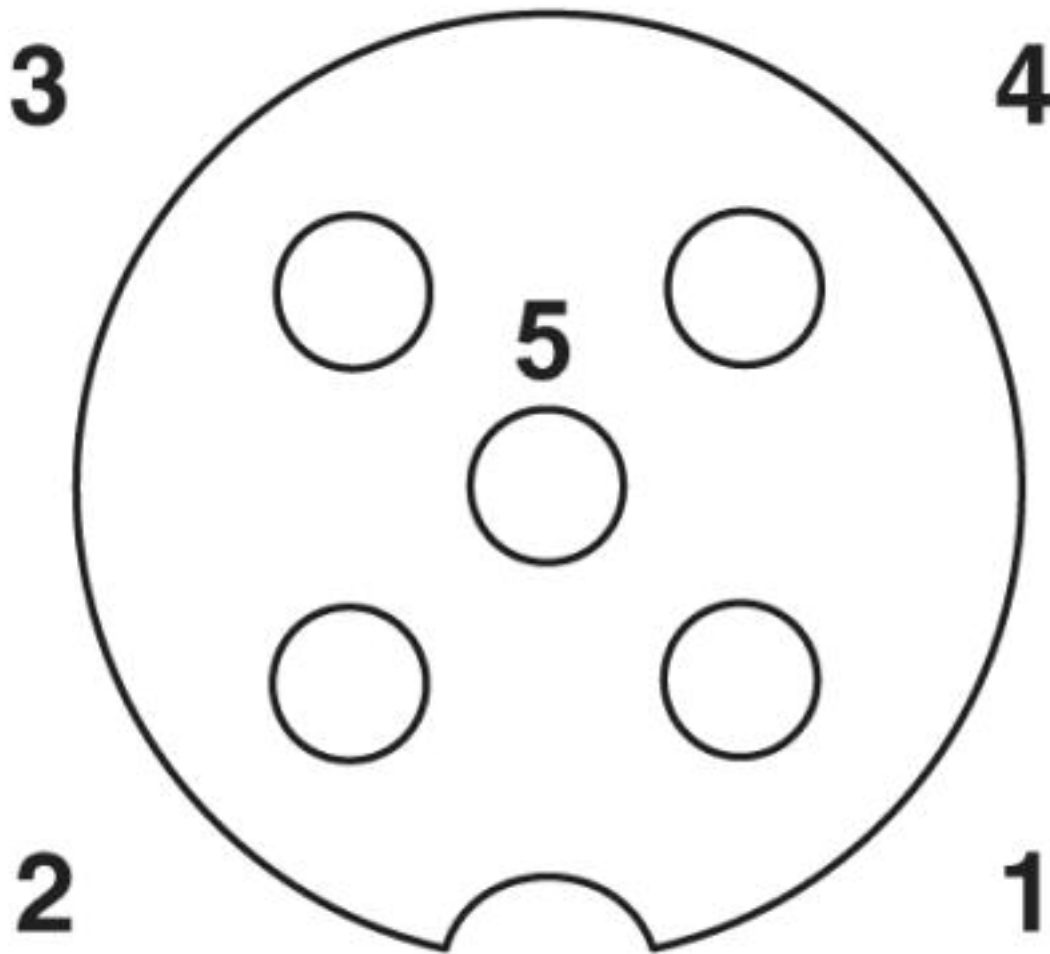


Circuit diagram



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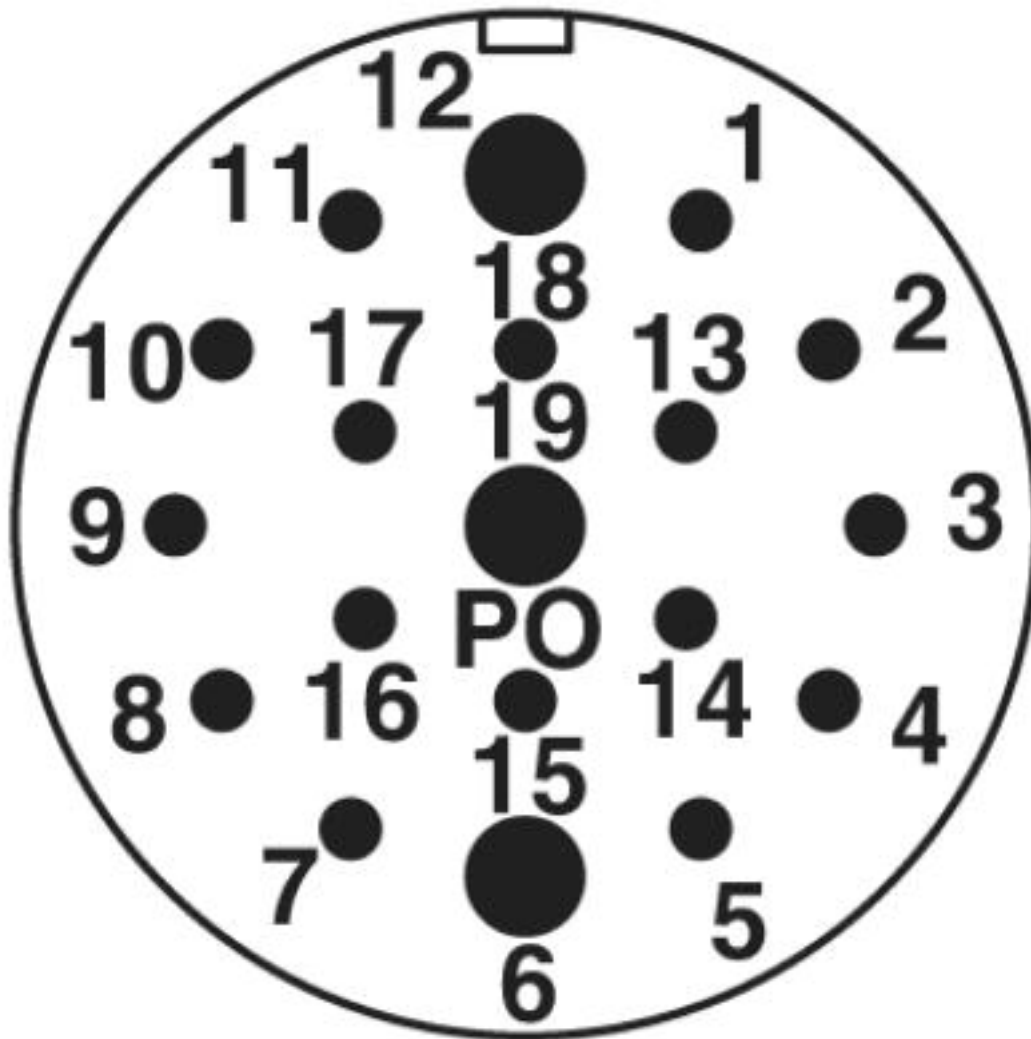
Schematic diagram



M12 slot, socket, 5-pos.

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Schematic diagram



M23 plug connection pin, 19-pos.

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