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Sensor/actuator box - SACB-6/ 6-M23 - 1692815

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Sensor/actuator box, Connection method: M12 socket Plastic, Number of slots: 6, Number of positions: 4, Slot assignment: Single, Status indication: No, Universal; Master cable connection: M23 plug connection 90°, 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



Key commercial data

Packing unit	1 PCE
Weight per Piece (excluding packing)	112.0 GRM
Custom tariff number	85366990
Country of origin	Poland

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	4
Number of slots	6
Inflammability class according to UL 94	V0
Sensor/actuator connection system	M12 socket

Ambient conditions

Degree of protection	IP65
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Technical data

Ambient conditions

	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

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

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 (+ 120 V) = 11
	1-4 / 3 (0 V) = 9+10
	1-4 / 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

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Classifications

ETIM

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

UNSPSC

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

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized	
mm ² /AWG/kcmil	22-16
Nominal voltage UN	120 V

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Approvals

cUL Recognized	
mm ² /AWG/kcmil	22-16
Nominal voltage UN	120 V

GOST	
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cULus Recognized	
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Accessories

Accessories

Assembly tool

Pipe spanner - PLUSCON-RCS - 1665062



Special pipe spanner, tool for mounting the M23 connector housing (with assembly), for coupling and sleeve housing

Device marking

Zack marker strip - ZBN 18:UNBEDRUCKT - 2809128



Zack marker strip, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into tall marker groove, For terminal block width: 18 mm, Lettering field: 18 x 5 mm

Master cable, assembled

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Accessories

Female connector - RCK-TGUM/BL12/ 5,0PUR-U - 1684014



M23 socket, straight, 12-pos., with 5 m master cable, pin 9 and 10 bridged

Female connector - RCK-TGUM/BL12/10,0PUR-U - 1684027



M23 socket, straight, 12-pos., with 10 m master cable, pin 9 and 10 bridged

Female connector - RCK-TWUM/BL12/ 5,0PUR-U - 1684030



M23 socket, angled, 12-pos., with 5 m master cable, pin 9 and 10 bridged

Female connector - RCK-TWUM/BL12/10,0PUR-U - 1684043



M23 socket, angled, 12-pos., with 10 m master cable, pin 9 and 10 bridged

Female connector - V-RC/TGUM 11/KVD 11/LBL 12 - 1000041



M23 socket, 12-pos., straight, freely configurable, with solder connection, for external cable diameter of 8 mm ... 12 mm

Sensor/actuator box - SACB-6/ 6-M23 - 1692815

Accessories

Female connector - V-RC/TWUM 11/KVD 11/LBL 12 - 1000043

M23 socket, 12-pos., angled, freely configurable, with solder connection, for external cable diameter of 8 mm ... 12 mm



Protective cap

Protective cap - MSK 1 - 1665897



M23 metal sealing cap, for unoccupied M23 connectors, without steel wire

Protective cap - MSK 2 - 1665907



M23 metal sealing cap, for unoccupied M23 connectors, with steel wire

Protective cap - KSK 1 - 1685013



Plastic sealing cap, for unoccupied M23 connectors

Screw plug - PROT-M12 - 1680539



An M12 screw plug for the unoccupied M12 sockets of the sensor/actuator cable, boxes and flush-type connectors

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Accessories

Screwdriver tools

Tool - SAC BIT M12-D15 - 1208432



Nut for assembling sensor/actuator cables with M12 connector and for M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive

Tool - SACC BIT M12-D20 - 1208445



Nut for assembling SACC M12 connectors for free assembly, excluding M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive

T-distributor

Housing - RC-T 12/1BU2ST - 1685107



M23 T-distributor, 12-pos., with one M23 socket and two M23 plugs; position 9 and 10 bridged

Torque tool

Torque screwdriver - TSD 04 SAC - 1208429

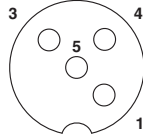


Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors

Drawings

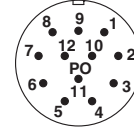
Sensor/actuator box - SACB-6/ 6-M23 - 1692815

Schematic diagram



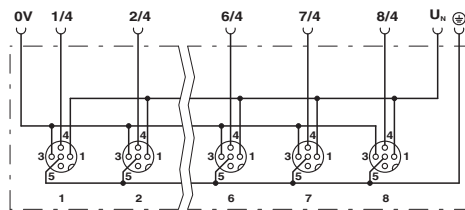
M12 slot, socket, 4-pos.

Schematic diagram



M23 plug connection pin, 12-pos.

Circuit diagram



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Dimensioned drawing

