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Sensor/actuator flush-type connector, socket, 5-pos., B-coded, shielded, with angled solder connection, only contact insert





Key commercial data

Packing unit	1 PCE
Minimum order quantity	20 PCE
Weight per Piece (excluding packing)	5.0 GRM
Custom tariff number	85389099
Country of origin	Germany

Technical data

Ambient conditions

Ambient temperature (operation)	-25 °C 85 °C (Plug / socket)
Degree of protection	IP67

General

Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	5
Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	\geq 100 MΩ
Coding	B - inverse
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Surge voltage category	Ш
Pollution degree	3
Connection method	Solder pins

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Technical data

General

Mounting type	PCB mounting
Material	
Inflammability class according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 66
Sealing material	FKM / EPDM

Classifications

eCl@ss

eCl@ss 4.0	27250313
eCl@ss 4.1	27250313
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 3.0	EC001855
ETIM 4.0	EC002061
ETIM 5.0	EC002061

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

Approvals

Approvals

Approvals

UL Recognized / GOST / GOST



Approvals

Ex Approvals

Approvals submitted

Approval details

Γ

mm²/AWG/kcmil	26-20
Nominal current IN	4 A
Nominal voltage UN	60 V

GOST 📀

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Accessories

Accessories

Panel mounting base

Housing screw connection - SACC-M12-SCO NUT - 1552243



M12 SPEEDCON housing screw connection for M12 female inserts, with O-ring, for all SPEEDCON-capable THR and wave soldering contact carriers



Accessories

Housing screw connection - SACC-M12-SCO NUT L 90 - 1432460



M12-SPEEDCON housing screw connection for M12 female inserts, with flat gasket, for all Speedcon-compatible THR and wave soldering contact carriers

Housing screw connection - SACC-M12 NUT PRESS - 1437889



Housing screw connection for two-piece M12 connectors for the reflow soldering process.

Drawings





Pin assignment M12 socket, 5-pos., B-coded, female side

Drilling diagram



Drilling diagram only valid in connection with the SACC-M12-SCO NUT L90 housing (order no. 1432460)



Dimensioned drawing



M12 flush-type connector, socket, contact carrier, side view

Dimensioned drawing



Optionally with O-ring (green) for tight seal when plugged in. - the axial mating force of 80 N per connector may not be exceeded when using with assembled O-ring! - Avoid radial forces! Dimensioned drawing



M12 flush-type connector, socket, contact carrier, front view

Dimensioned drawing



Locked area on the PCB

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