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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## Flush-type connector - SACC-CI-M12FS-5CON-L90 SCO - 1436644

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

### Key commercial data

Packing unit	0
Minimum order quantity	20
Catalog page	Page 52 (PC-2011)
GTIN	 4 046356 438711
Custom tariff number	85366990
Country of origin	GERMANY

### Technical data

#### General data

Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	5
Volume resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Ambient temperature (operation)	-25 °C ... 85 °C (Male connector / female connector)

#### General characteristics

Standards/regulations	M12 connector IEC 61076-2-101
Coding	A - standard
Surge voltage category	II
Pollution degree	3
Degree of protection	IP67
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 66
Sealing material	FKM / EPDM
Mounting type	PCB mounting

# Flush-type connector - SACC-CI-M12FS-5CON-L90 SCO - 1436644

## Technical data

### General characteristics

Connection method	Solder pins
Status display	No

## Classifications

### eclass

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27061801
eCl@ss 5.1	27260701
eCl@ss 6.0	27279220
eCl@ss 7.0	27440103

### etim

ETIM 3.0	EC002061
ETIM 4.0	EC002061

### unspsc

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

## Approvals

### Approvals

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Approvals

UL Recognized

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Ex Approvals

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Approvals submitted

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### Approval details

## Flush-type connector - SACC-CI-M12FS-5CON-L90 SCO - 1436644

### Approvals

UL Recognized 	
mm²/AWG/kcmil	26-2
Nominal current I <sub>N</sub>	4 A
Nominal voltage U <sub>N</sub>	60 V

### Accessories

#### Accessories

#### Housing screw connection

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

Housing screw connection - SACC-M12 NUT PRESS - 1437889



M12 socket, housing screw connection, press-in version, for all Speedcon-compatible THR and wave soldering contact carriers

Housing screw connection - SACC-M12 PLUG PRESS - 1437892



M12 pin, housing screw connection, press-in version, for all Speedcon-compatible THR and wave soldering contact carriers

### Necessary add-on products

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

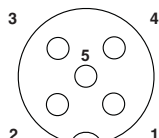


# Flush-type connector - SACC-CI-M12FS-5CON-L90 SCO - 1436644

## Accessories

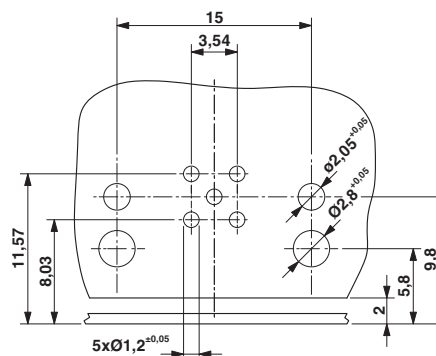
## Drawings

Schematic diagram



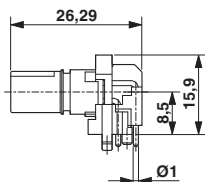
Pin assignment M12 socket, 5-pos., A-coded, socket side view

Drilling diagram



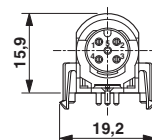
Drilling diagram only valid in connection with the SACC-M12-SCO NUT L90 housing (order no. 1432460)

Dimensioned drawing



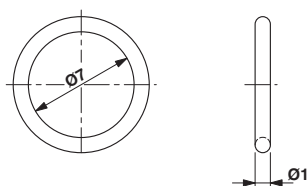
M12 flush-type connector, socket, contact carrier, side view

Dimensioned drawing



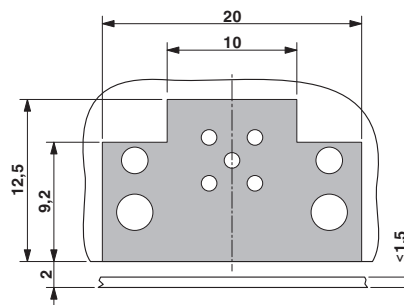
M12 flush-type connector, socket, contact carrier, front view

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



Locked area on the PCB