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Sensor/actuator flush-type connector, socket, 4-pos., M12 SPEEDCON, A-coded, rear/screw mounting with M12 thread, with polarity protection, with angled solder connection



## **Key Commercial Data**

Packing unit	10 STK
GTIN	4 046356 438636
GTIN	4046356438636
Weight per Piece (excluding packing)	12.640 g
Custom tariff number	85366990
Country of origin	Germany
Note	Made to Order (non-returnable)

## 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	250 V
Number of positions	4
Insulation resistance	$\geq$ 100 M $\Omega$
Coding	A - standard
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Solder pins
Mounting type	Rear mounting M12 x 1 With flat nut



## Technical data

#### Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6.6
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

## Standards and Regulations

Flammability rating according to UL 94	V0
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## **Environmental Product Compliance**

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

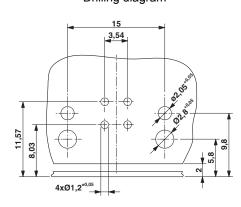
## Drawings

#### Schematic diagram



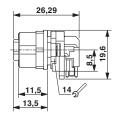
Pin assignment M12 socket, 4-pos., A-coded, view female side

## Drilling diagram



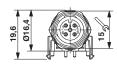
## Drilling diagram

#### Dimensional drawing



M12 flush-type connector, socket, side view

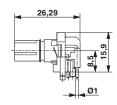
#### Dimensional drawing



M12 flush-type connector, socket, front view



#### Dimensional drawing



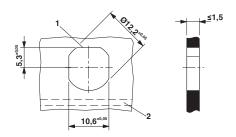
#### Dimensional drawing



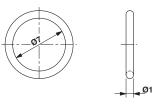
M12 flush-type connector, socket, contact carrier, side view

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

#### Dimensional drawing



Dimensional drawing

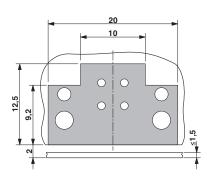


Housing cutout for M12 fastening thread, mounting panel with feed-through hole (alternative with surface as protection against rotation)

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!

#### Dimensional drawing



Locked area on the PCB

## 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	27440103



## Classifications

eCl	@ss
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eCl@ss 9.0	27440102
ETIM	
ETIM 3.0	EC002061

ETIM 3.0	EC002061
ETIM 4.0	EC002061
ETIM 5.0	EC002061
ETIM 6.0	EC002061

## **UNSPSC**

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	39121413

## Approvals

#### Approvals

Approvals

UL Recognized / EAC

Ex Approvals

#### Approval details

UL Recognized	<b>7.1</b>	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm		FILE E 118976
mm²/AWG/kcmil			22	
Nominal current IN			4 A	
Nominal voltage UN			250 V	

EAC [H[	B.01742
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