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# Flush-type connector - SACC-DSIV-FS-8CON-L90 SH SCO - 1437025

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Sensor/actuator flush-type connector, socket, 8-pos., M12 SPEEDCON, A-coded, shielded, rear/screw mounting with M12 thread, with polarity protection, with angled solder connection



## Key Commercial Data

Packing unit	10 STK
GTIN	 4 046356 438599
GTIN	4046356438599

## Technical data

### Ambient conditions

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

### General

Rated current at 40°C	2 A
Rated voltage	30 V
Number of positions	8
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Solder pins
Mounting type	Rear mounting M12 x 1

### Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Au

# Flush-type connector - SACC-DSIV-FS-8CON-L90 SH SCO - 1437025

## Technical data

### Material

Contact carrier material	PA 6.6
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

### Standards and Regulations

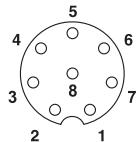
Flammability rating according to UL 94	V0
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### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"	

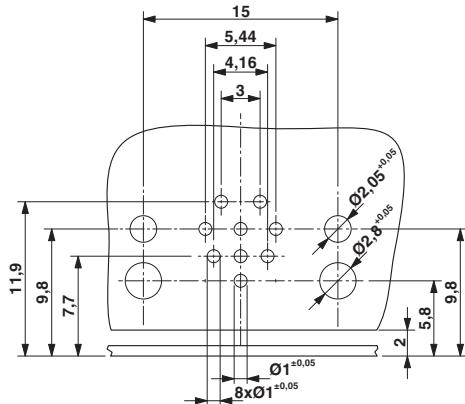
## Drawings

Schematic diagram



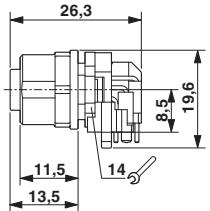
Pin assignment M12 socket, 8-pos., A-coded,  
view female side

Drilling diagram



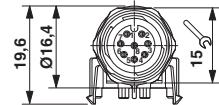
Drilling diagram

Dimensional drawing



M12 flush-type connector, socket, side view

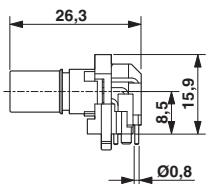
Dimensional drawing



M12 flush-type connector, socket, front view

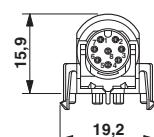
## Flush-type connector - SACC-DSIV-FS-8CON-L90 SH SCO - 1437025

Dimensional drawing



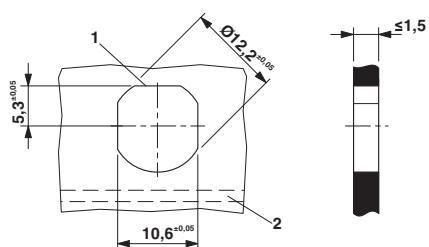
M12 flush-type connector, socket, contact carrier, side view

Dimensional drawing



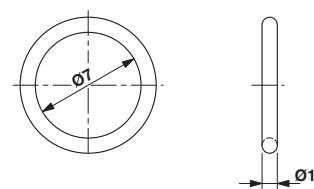
M12 flush-type connector, socket, contact carrier, front view

Dimensional drawing



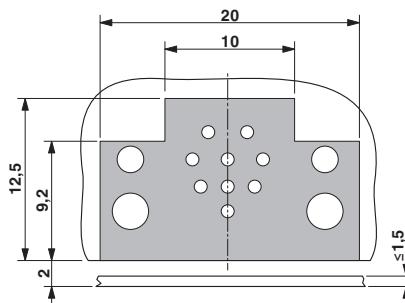
Housing cutout for M12 fastening thread, mounting panel with feed-through hole (alternative with surface as protection against rotation)

Dimensional 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!

Dimensional drawing



Locked area on the PCB

### Approvals

#### Approvals

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#### Approvals

UL Recognized / EAC

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#### Ex Approvals

## Flush-type connector - SACC-DSIV-FS-8CON-L90 SH SCO - 1437025

### Approvals

#### Approval details

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 118976
Nominal voltage UN		30 V	
Nominal current IN		2 A	
mm <sup>2</sup> /AWG/kcmil		24	

EAC		B.01742
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