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Flush-type connector, 8-position, PlugLink:straightLink:M12, A - standard, PCB mounting, SMD

### Why buy this product

- Reduced mounting costs thanks to two-piece device connector
- Packaging available for automated pick and place assembly
- All common pin assignments and codings available
- Easy device integration thanks to mechanical port screw connections with threaded attachment, press-in contour or direct integration in the front plate
- Additional gasket for the device when not plugged in



## **Key Commercial Data**

Packing unit	1 STK
Minimum order quantity	100 STK
Weight per Piece (excluding packing)	7.2 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Ambient conditions

Ambient temperature (operation)	-40 °C 105 °C (Plug / socket)
	-55 °C 105 °C (without mechanical actuation)
Degree of protection	IP67 (correctly plugged in and locked)
	IP65 (not plugged in, by means of additional O-ring seal with device)

### General

Rated current at 40°C	2 A



## Technical data

### General

Rated voltage	30 V
Rated surge voltage	0.8 kV
Number of positions	8
Insulation resistance	$\geq$ 100 M $\Omega$
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101 In line with
Overvoltage category	III
Degree of pollution	3
Connection method	SMD
Insertion/withdrawal cycles	> 100
Mounting type	PCB mounting
Type of packaging	Belt
Delivery state	with assembly pad

## Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA
Sealing material	FKM

## Cable

Standards/specifications	M12 connector IEC 61076-2-101 In line with

## Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101
Flammability rating according to UL 94	V0

# Drawings

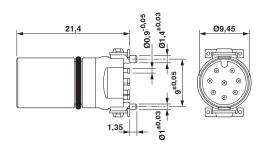


Schematic diagram



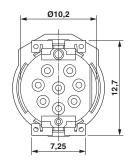
Pin assignment M12 plug, 8-pos., view plug side

Dimensional drawing



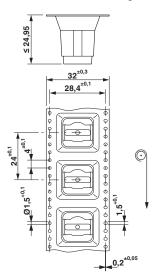
M12 male connector contact carrier

Dimensional drawing



View of solder side

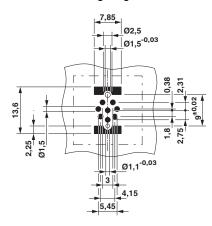
Dimensional drawing



SMD tape-on-reel packing



## Drilling diagram



Soldering pad geometry

## Classifications

## eCl@ss

eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 8.0	27440103
eCl@ss 9.0	27440102

**ETIM** 

ETIM 5.0	EC002061

# Approvals

Approvals

Approvals

EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details



## Approvals

EAC			

cULus Recognized	
Nominal current IN	2 A
Nominal voltage UN	30 V

### Accessories

#### Accessories

Panel mounting base

Housing screw connection - SACC-BP-M-M12/M15-6-SMD - 1414000



Housing screw connection, PlugLink:M12, Rear mounting, M15 x 1

Housing screw connection - SACC-BP-M-M12/M15-6-SMD SCO - 1414002



Housing screw connection, PlugLink:M12-SPEEDCON, Rear mounting, M15 x 1

Housing screw connection - SACC-FP-M-M12/M14 SMD - 1412078



Housing screw connection, PlugLink:M12, Front mounting, M14 x 1



## Accessories

Housing screw connection - SACC-FP-M-M12/PRESS SMD - 1412080



Housing screw connection, pin, for the two-part M12 SMD connector, for press-in mounting.

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