

Device connector, front mounting - SM-5EPWN8AWT00 - 1613517

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Device connector, front mounting, straight, SPEEDCON locking, M40, Number of positions: 2+3+PE, Type of contact: Male connector, Crimp connection, Axial O-ring, 4x Ø4,2, shielded: yes, Flange dimensions: 40 mm x 40 mm

The figure shows the 8-pos. (4+3+PE) product version

Why buy this product

- Consistent EMC protection for reliable connection solutions in the industrial environment
- Crimping connection: vibration- and temperature-resistant assembly

Key Commercial Data

Packing unit	1 STK
Weight per Piece (excluding packing)	120.000 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

General

Note	Order information: Order crimp contacts 2 x Ø 2 mm, 4 x Ø 3.6 mm separately
Type of locking	SPEEDCON locking
Coding	N
Contact connection method	Crimp connection
Type of contacts	Male connector
Number of positions	6
Contact diameter of power contacts	3.6 mm
Nominal current per power contact at 25°C	70 A
Contact diameter of signal contacts	2 mm

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Technical data

General

Nominal current per signal contact at 25°C	30 A
Pg housing screw connection	none
Mounting type	4x Ø4,2

Ambient conditions

Ambient temperature	-40 °C ... 125 °C
Degree of protection	IP67

Material

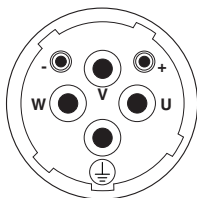
Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Insulator material	PA 66
Gasket and O-ring material	FPM

Specifications according to DIN EN 61984:2001

Installation height max.	3000 m
Nominal / operating voltage of power contacts	630 V
Rated surge voltage of power contacts	6 kV
Overvoltage category of power contacts	III
Degree of pollution of power contacts	3
Nominal / operating voltage of signal contacts	250 V
Rated surge voltage of signal contacts	4 kV
Overvoltage category of signal contacts	III
Degree of pollution of signal contacts	3

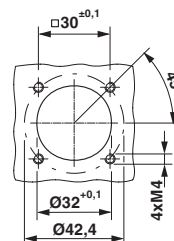
Drawings

Schematic diagram



Connector pin assignment

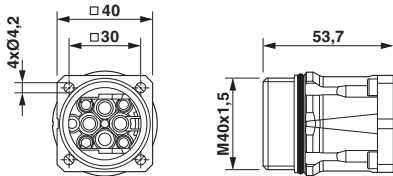
Dimensional drawing



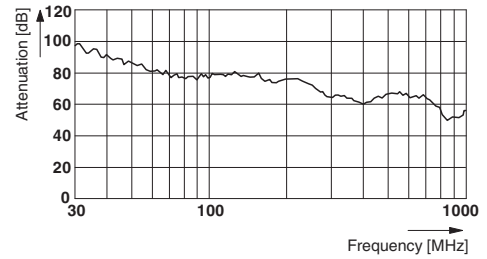
Installation dimensions

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Dimensional drawing



Diagram



Dimensional drawing

Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 7.0	27440209
eCl@ss 8.0	27440103
eCl@ss 9.0	27440102

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC001121
ETIM 5.0	EC002061

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

Approvals

Approvals

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Approvals


Approvals

cUL Recognized / UL Recognized / EAC / cULus Recognized


Ex Approvals

Approval details

cUL Recognized  http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 153698	
Nominal current IN	40 A
Nominal voltage UN	600 V

UL Recognized  http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 153698	
Nominal current IN	65 A
Nominal voltage UN	600 V

EAC B.01742

cULus Recognized  http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm
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Accessories

Accessories

Crimp contact

Crimp contact - SM-36KP001 - 1605743



Crimp contact, turned, Single contact, Contact diameter: 3.6 mm, Crimp range: 0.75 mm²...1.5 mm²

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Accessories

Crimp contact - SM-36KP009 - 1607057



Crimp contact, turned, Single contact, Contact diameter: 3.6 mm, Crimp range: 1 mm²...2.5 mm²

Crimp contact - SM-36KP002 - 1605744



Crimp contact, turned, Single contact, Contact diameter: 3.6 mm, Crimp range: 1 mm²...4 mm²

Crimp contact - SM-36KP003 - 1605745



Crimp contact, turned, Single contact, Contact diameter: 3.6 mm, Crimp range: 4 mm²...6 mm²

Crimp contact - SM-36KP004 - 1605747



Crimp contact, turned, Single contact, Contact diameter: 3.6 mm, Crimp range: 6 mm²...10 mm²

Crimp contact - SF-7RP2000 - 1605646



Crimp contact, turned, Single contact, Contact diameter: 2 mm, Crimp range: 0.14 mm²...0.25 mm²

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Accessories

Crimp contact - SF-7PP2000 - 1605634



Crimp contact, turned, Single contact, Contact diameter: 2 mm, Crimp range: 0.25 mm²...1 mm²

Crimp contact - SF-20KP004 - 1607376



Crimp contact, turned, Contact diameter: 2 mm, Crimp range: 0.75 mm²...1.5 mm²

Crimp contact - SF-7QP2000 - 1605639



Crimp contact, turned, Single contact, Contact diameter: 2 mm, Crimp range: 1 mm²...2.5 mm²

Crimp contact - SF-7MP2000 - 1605626



Crimp contact, turned, Single contact, Contact diameter: 2 mm, Crimp range: 4 mm²...4 mm²

Mounting material

Plastic dust protection cap - SM-Z0001 - 1605866



Plastic dust protection cap for connectors with M40 external thread

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Accessories

Color-coding - SM-Z0028 - 1620627



Color-coding, Color: green

Color-coding - SM-Z0029 - 1620628



Color-coding, Color: orange

Color-coding - SM-Z0030 - 1620629



Color-coding, Color: black

Protective cover

Metal dust protection cap - SB-Z0001 - 1623827



Metal dust protection cap for M40 connectors with external thread
