

Coupler connector - SM-7EP1N8A9L32S - 1613431

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Coupler connector, straight, SPEEDCON locking, M40, Number of positions: 4+3+PE, Type of contact: Male connector, Crimp connection, Shielded: Yes, Cable cross section: 9 mm...14 mm



Key commercial data

Packing unit	1 1
Weight per Piece (excluding packing)	142.42 GRM
Custom tariff number	85366990
Country of origin	Germany

Technical data

General

Note	Order information Order crimp contacts 4 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	8
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
Nominal current per signal contact at 25°C	30 A
Conductor entry	9 mm ... 14 mm

Ambient conditions

Ambient temperature	-20 °C ... 125 °C
Degree of protection	IP67

Coupler connector - SM-7EP1N8A9L32S - 1613431

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Material

Housing material	Turned parts: copper zinc alloy (CuZn), aluminum (Al), 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
Surge voltage category of power contacts	III
Pollution degree of power contacts	3
Nominal / operating voltage of signal contacts	250 V
Rated surge voltage of signal contacts	4 kV
Surge voltage category of signal contacts	III
Pollution degree of signal contacts	3

Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27260708
eCl@ss 7.0	27440312
eCl@ss 8.0	27440312

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC001121
ETIM 5.0	EC002641

UNSPSC

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

Coupler connector - SM-7EP1N8A9L32S - 1613431

Accessories

Accessories

Crimp contact

Crimp contact - SM-36KP005 - 1605749



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

Crimp contact - SM-36KP006 - 1605750



Crimp contact, turned, Single contact, Contact diameter: 3.6 mm, Crimp range: 2.5 mm²...4 mm²

Crimp contact - SM-36KP008 - 1605754



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

Crimp contact - SM-36KP007 - 1605752



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

Crimp contact - SM-20KP006 - 1605738



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

Coupler connector - SM-7EP1N8A9L32S - 1613431

Accessories

Crimp contact - SM-20KP005 - 1605736



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

Crimp contact - SM-20KP007 - 1605739



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

Crimp contact - SM-20KP008 - 1605741



Crimp contact, turned, Single contact, Contact diameter: 2 mm, Crimp range: 2.5 mm²...4 mm²

Mounting material

Plastic dust protection cap - SM-Z0001 - 1605866

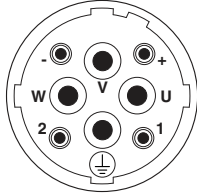


Plastic dust protection cap for connectors with M40 external thread

Drawings

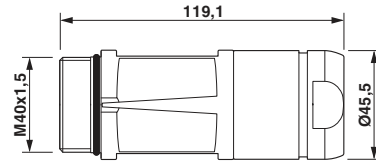
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Schematic diagram



Connector pin assignment

Dimensioned drawing



Dimensional drawing

Diagram

