

Coupler connector - SM-5EP1N8A9L32S - 1613425

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Coupler connector, straight, for standard and SPEEDCON interlock, M40, number of positions: 2+3+PE, type of contact: Pin, Crimp connection, shielded: yes, cable diameter range: 9 mm ... 14 mm


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

Your advantages

- ✓ Consistent EMC protection for reliable connection solutions in the industrial environment
- ✓ Crimping connection: vibration- and temperature-resistant assembly
- ✓ Flexible use: reliably connect various cable diameters



Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 400176
GTIN	4046356400176
Weight per Piece (excluding packing)	400.000 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	for standard and SPEEDCON interlock
Coding	N
Contact connection method	Crimp connection
Type of contacts	Pin

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Technical data

General

Number of positions	6
Contact diameter of power contacts	3.6 mm
Rated current for power contacts	70 A
Contact diameter of signal contacts	2 mm
Nominal current per signal contact	30 A
Conductor entry	9 mm ... 14 mm
Pg housing screw connection	none

Ambient conditions

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

Material

Housing material	Turned parts: copper zinc alloy (CuZn), aluminum (Al), die-cast parts: zinc (GD-Zn)
Insulator material	PA 6.6
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

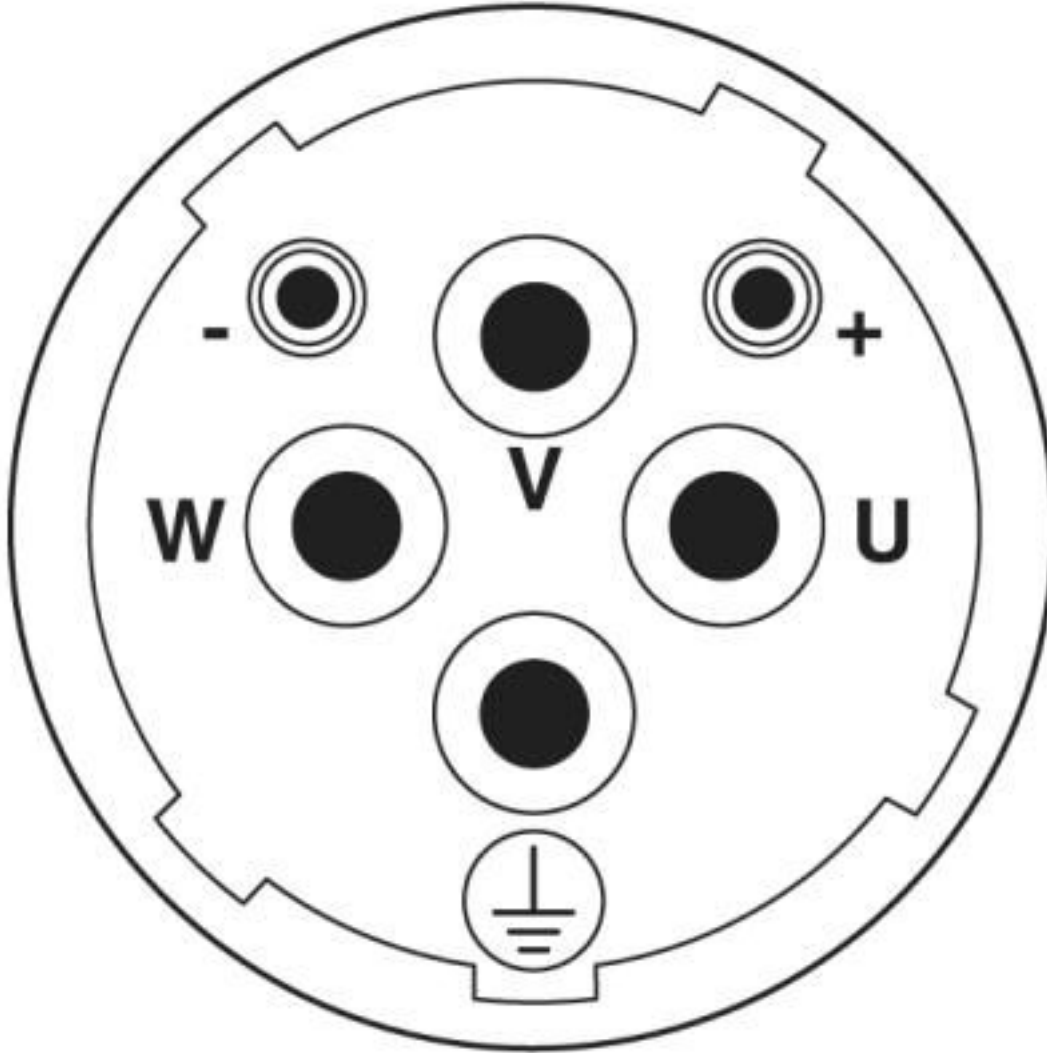
Environmental Product Compliance

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

Drawings

Coupler connector - SM-5EP1N8A9L32S - 1613425

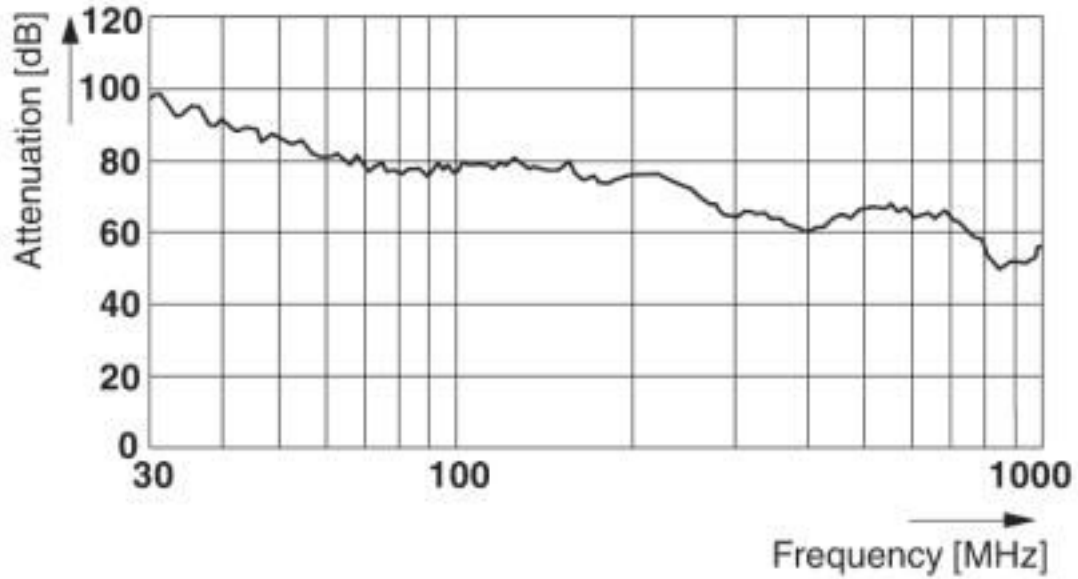
Schematic diagram



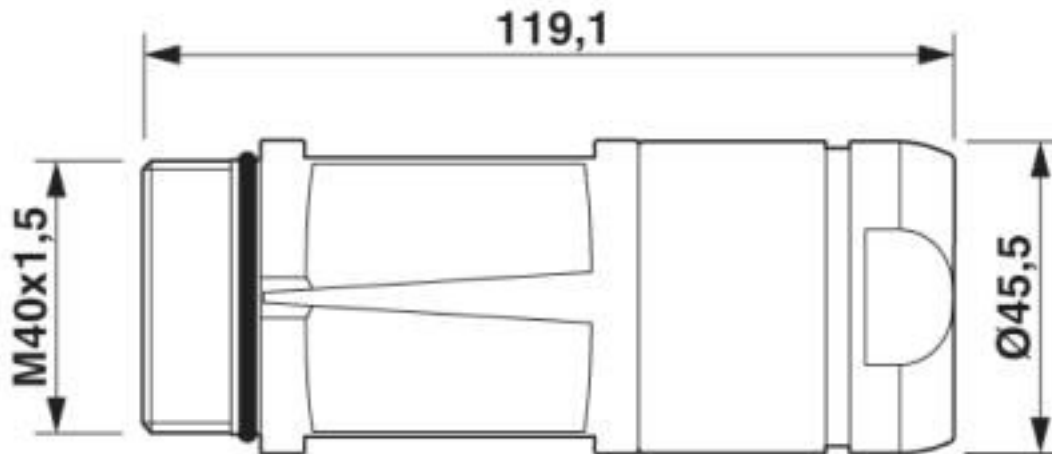
Connector pin assignment

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Diagram



Dimensional drawing



Dimensional drawing

Classifications

eCl@ss

eCl@ss 10.0.1	27440102
eCl@ss 4.0	27260700
eCl@ss 4.1	27260700

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Classifications

eCl@ss

eCl@ss 5.0	27260700
eCl@ss 5.1	27260700
eCl@ss 6.0	27260700
eCl@ss 7.0	27440102
eCl@ss 8.0	27440102
eCl@ss 9.0	27440102

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC001121
ETIM 5.0	EC002635
ETIM 6.0	EC002061

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	39121413
UNSPSC 18.0	39121413
UNSPSC 19.0	39121413
UNSPSC 20.0	39121413
UNSPSC 21.0	39121413

Approvals

Approvals

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EAC

Ex Approvals

Approval details

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Approvals

EAC		B.01687
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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

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Accessories

Crimp contact - SM-20KP006 - 1605738



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

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

Protective cap - SM-Z0001 - 1605866



Plastic protection cap for connectors with M40 external thread

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Accessories

Color-coding - SM-Z0025 - 1620558



Color-coding, color: green

Color-coding - SM-Z0026 - 1620559



Color-coding, color: orange

Color-coding - SM-Z0027 - 1620560



Color-coding, color: black

Square mounting flange with O-ring - SM-Z0003 - 1607935



Square mounting flange with O-ring, Axial O-ring, 4x Ø4,2

Square mounting flange - SM-Z0004 - 1607937



Square mounting flange, 4x Ø4,2

Protective cover

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Accessories

Metal protective cap - SB-Z0001 - 1623827



Metal protection cap for M40 connectors with external thread