Coupler connector - SM-5EP1N8A9002 - 1605769

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

Coupler connector, straight short, Screw locking, M40, number of positions: 2+3+PE, type of contact: Pin, Crimp connection, shielded: yes, cable diameter range: 9 mm ... 12.5 mm

Key Commercial Data

Packing unit	12 pc
GTIN	4 046356 254663
GTIN	4046356254663

Technical data

General

Note	Order information: Order crimp contacts 2 x Ø 2 mm, 4 x Ø 3.6 mm separately
Type of locking	Screw locking
Coding	N
Contact connection method	Crimp connection
Type of contacts	Pin
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 ... 12.5 mm
Pg housing screw connection	none

Ambient conditions

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

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Technical data

Material

Housing material	Turned parts: copper zinc alloy (CuZn), 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

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Schematic diagram

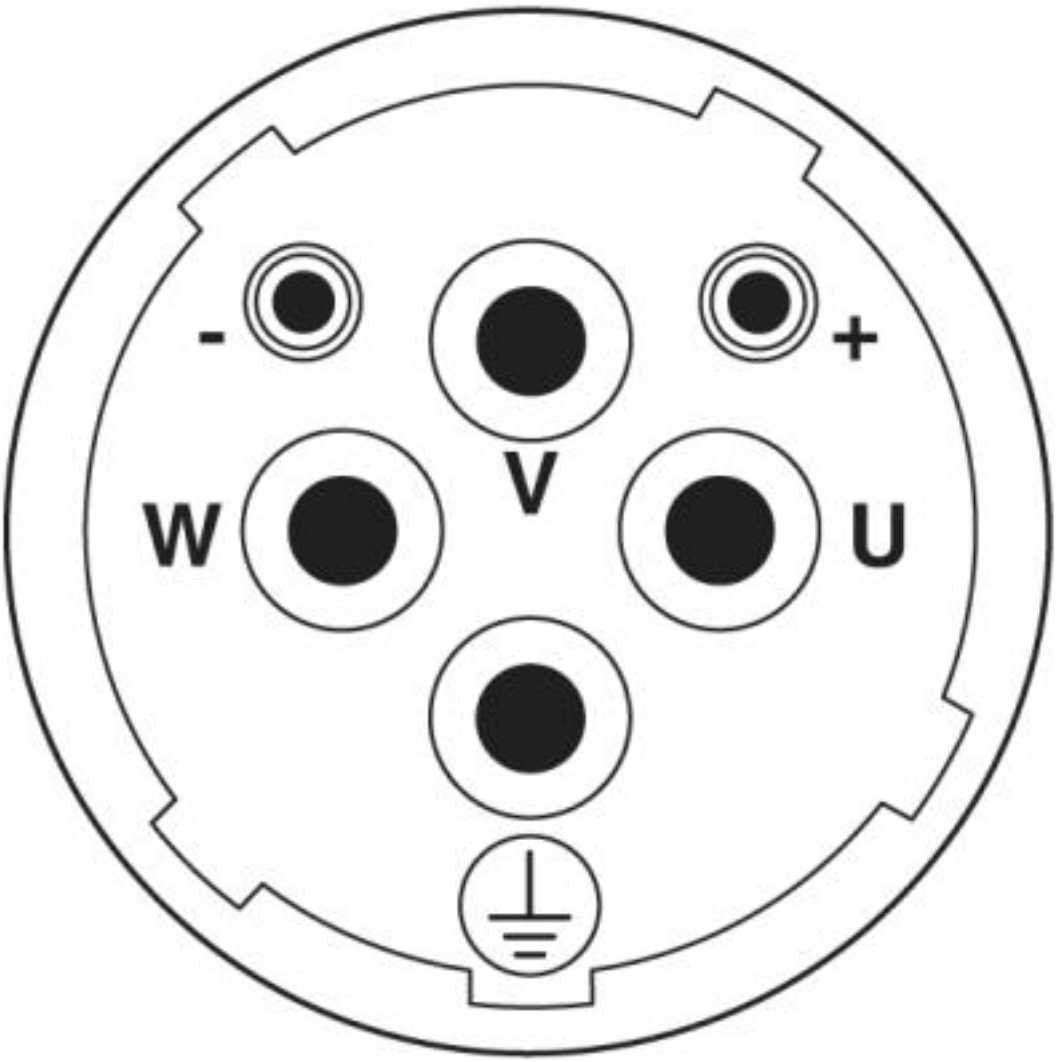

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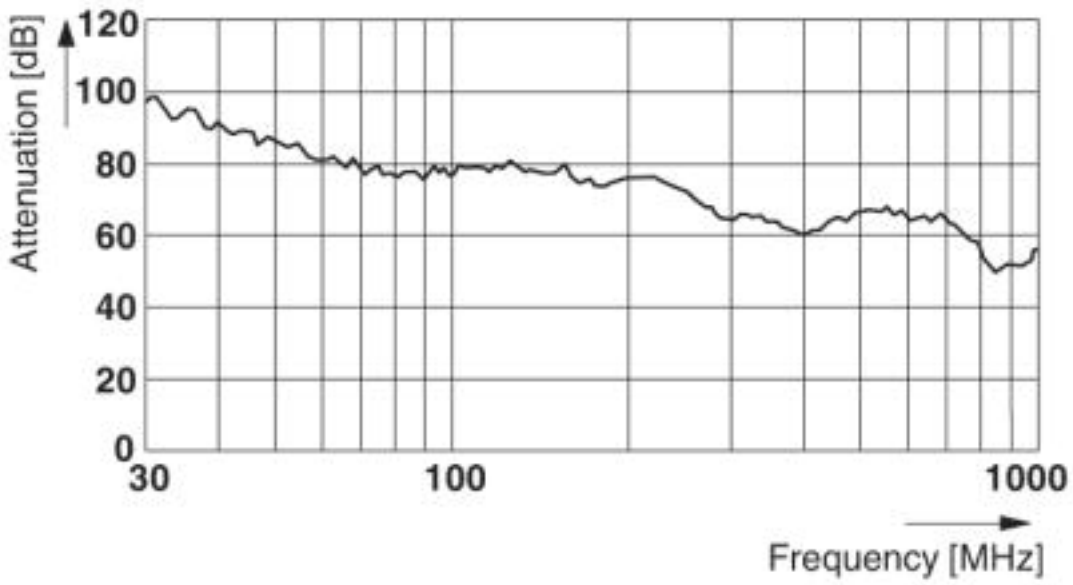
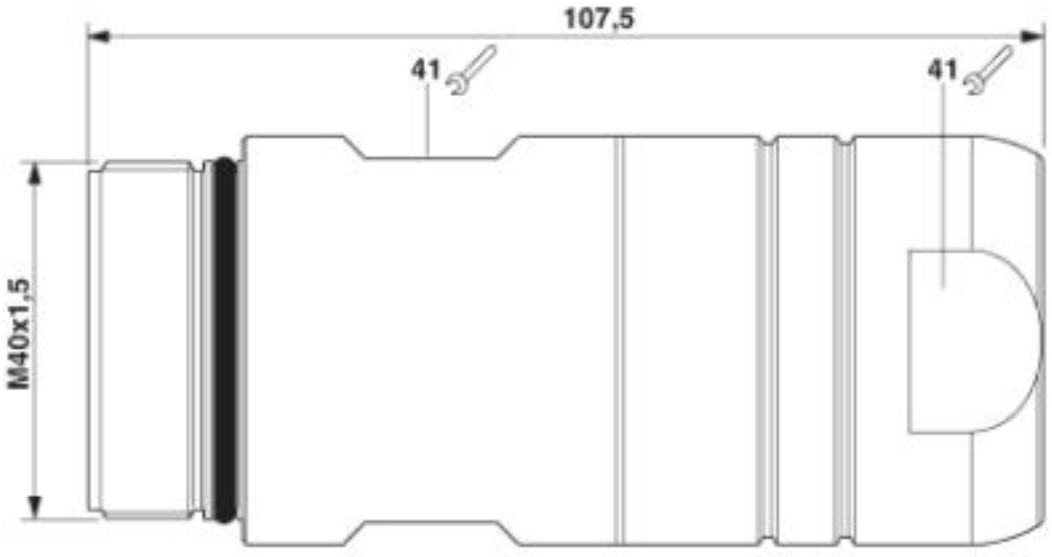
Diagram



Dimensional drawing



Classifications

eCl@ss

eCl@ss 10.0.1	27440102
eCl@ss 4.0	27260700
eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
eCl@ss 5.1	27260700
eCl@ss 6.0	27260700

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Classifications

eCl@ss

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

Approvals

EAC

Ex Approvals

Approval details

EAC	EAC	B.01687

Accessories

Accessories

Crimp contact

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Accessories

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

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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

Protective cap - SM-Z0001 - 1605866



Plastic protection cap for connectors with M40 external thread

Color-coding - SM-Z0025 - 1620558



Color-coding, color: green

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Accessories

Color-coding - SM-Z0026 - 1620559



Color-coding, color: orange

Color-coding - SM-Z0027 - 1620560



Color-coding, color: black

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