

Cable connector - SM-5ES1N8A8003 - 1605805

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Cable connector, straight short, Screw locking, M40, number of positions: 2+3+PE, type of contact: Socket, Crimp connection, shielded: yes, cable diameter range: 12.5 mm ... 17 mm

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



Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 182508
GTIN	4046356182508
Weight per Piece (excluding packing)	402.830 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	Screw locking
Coding	N
Contact connection method	Crimp connection
Type of contacts	Socket
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

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Technical data

General

Nominal current per signal contact	30 A
Conductor entry	12.5 mm ... 17 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), 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

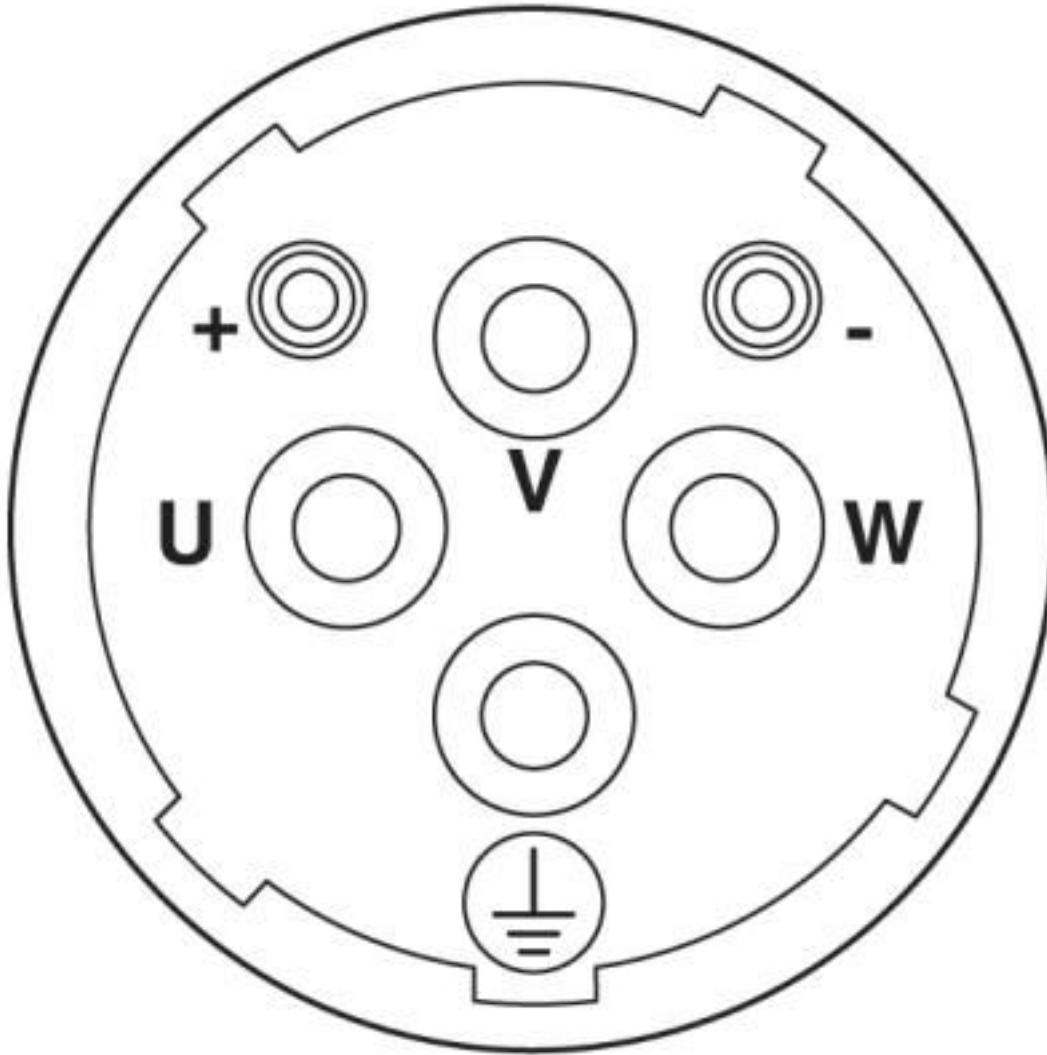
Environmental Product Compliance

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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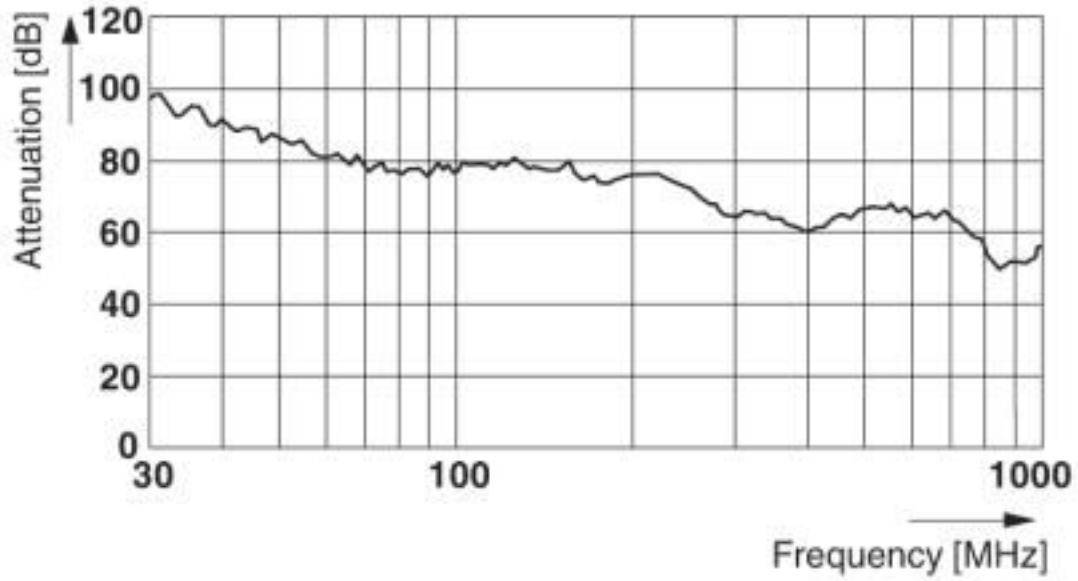
Schematic diagram



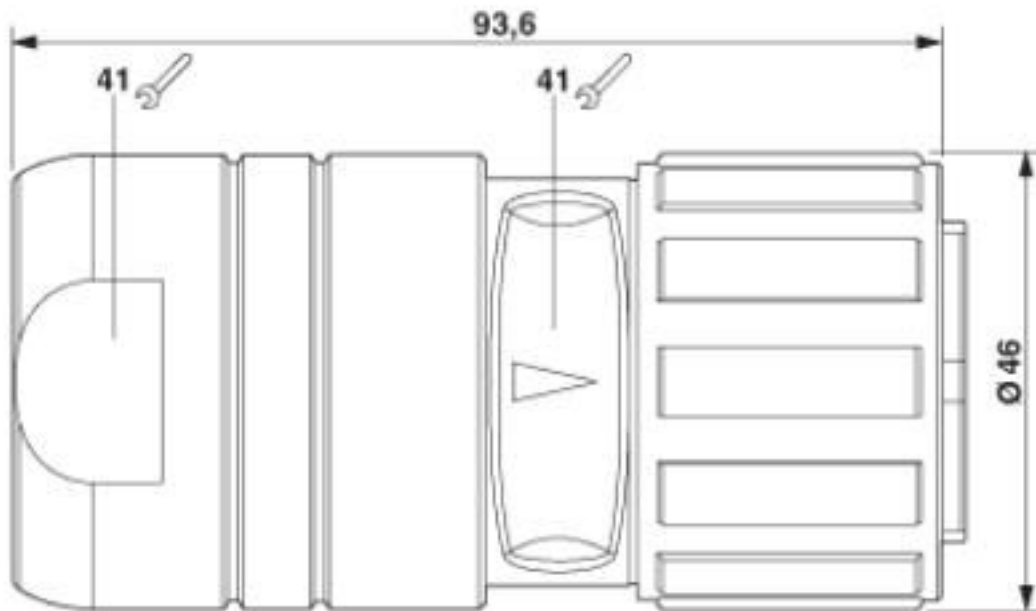
Connector pin assignment

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Diagram



Dimensional drawing



SM-...S1N8A8003

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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
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

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UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

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Approvals

Approval details

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

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

EAC			B.01687
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cULus Recognized			
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Accessories

Accessories

Crimp contact

Crimp contact - SM-36KS001 - 1605756



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

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Accessories

Crimp contact - SM-36KS002 - 1605758



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

Crimp contact - SM-36KS003 - 1605760



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

Crimp contact - SM-36KS004 - 1605762



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

Crimp contact - SF-7PS2000 - 1605636



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

Crimp contact - SF-7NS2000 - 1605631



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

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Accessories

Crimp contact - SF-7QS2000 - 1605643



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

Crimp contact - SF-7MS2000 - 1605628



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