

## Cable connector - SM-7ES1N8A8002 - 1605851


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Cable connector, straight short, Screw locking, M40, number of positions: 4+3+PE, type of contact: Socket, Crimp connection, shielded: yes, cable diameter range: 9 mm ... 12.5 mm



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 255301
GTIN	4046356255301
Weight per Piece (excluding packing)	371.930 g
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	Screw locking
Coding	N
Contact connection method	Crimp connection
Type of contacts	Socket
Number of positions	8
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

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## Technical data

### General

Conductor entry	9 mm ... 12.5 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

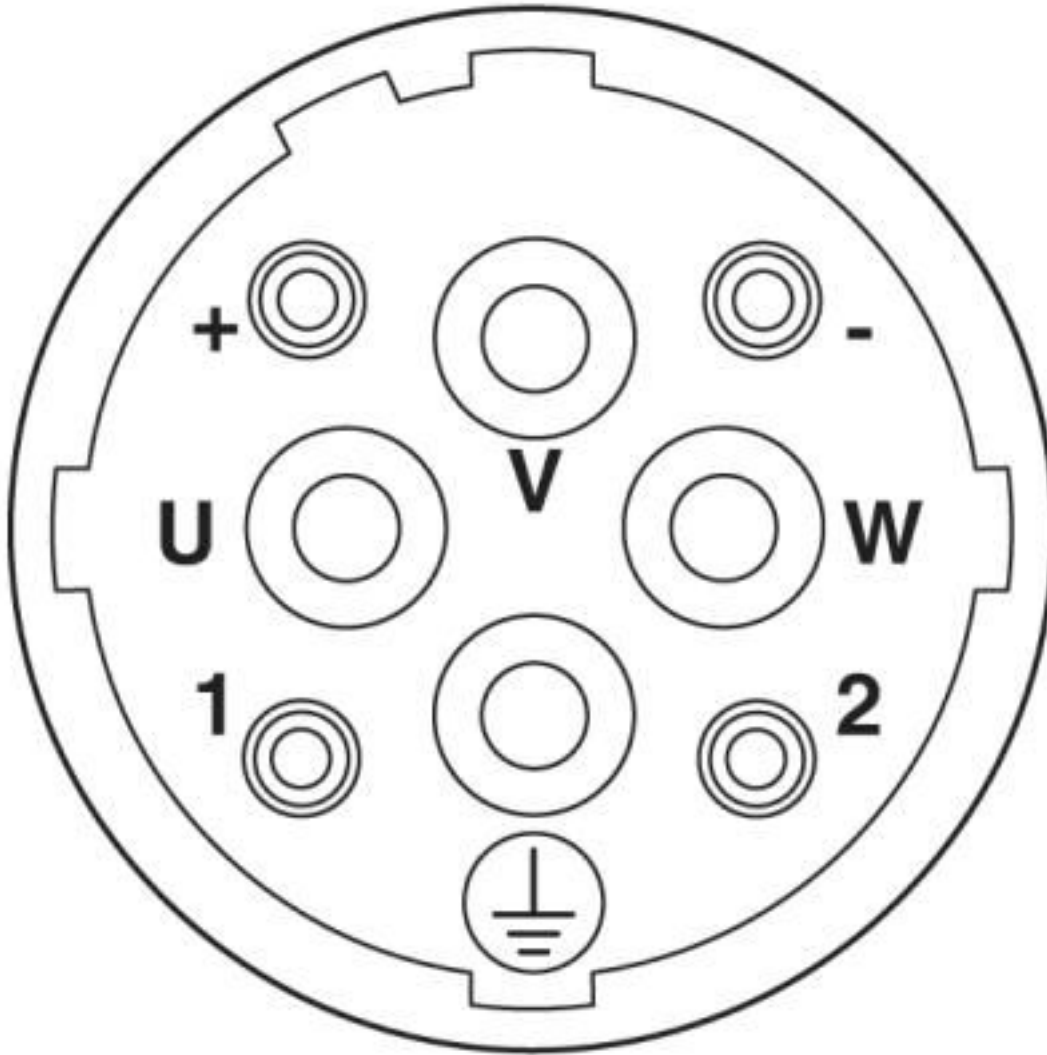
### Environmental Product Compliance

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

## Cable connector - SM-7ES1N8A8002 - 1605851

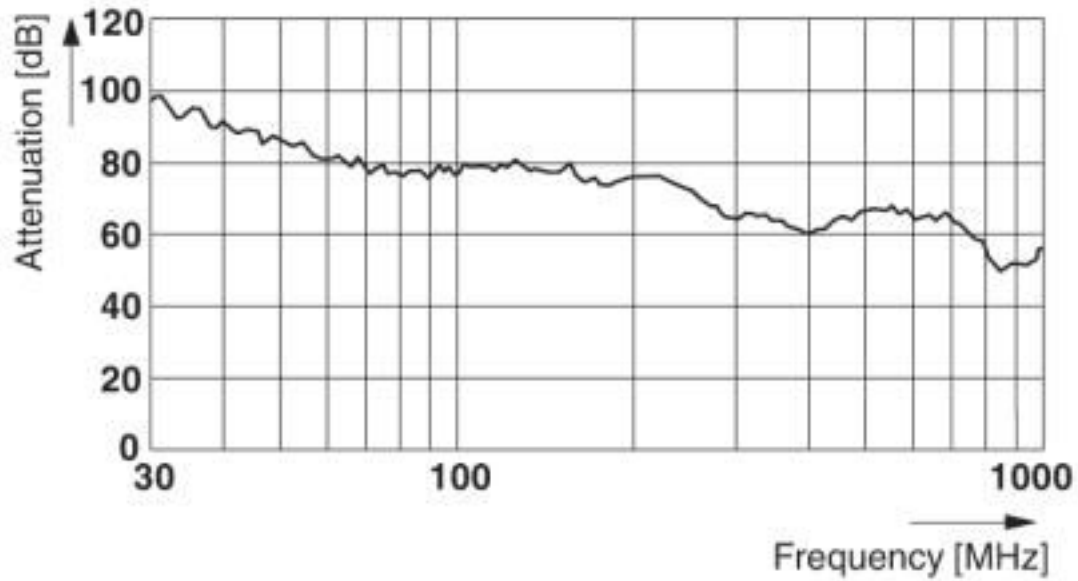
Schematic diagram



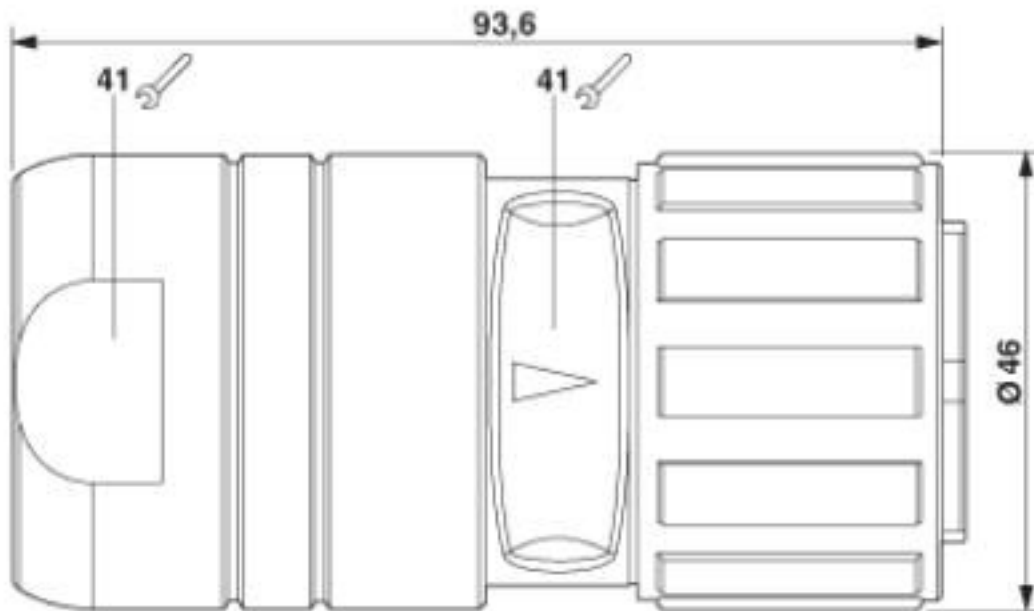
Connector pin assignment

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Diagram



Dimensional drawing



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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

#### Approvals

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Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

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Ex Approvals


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### Approvals

#### Approval details

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

cUL Recognized			<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	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 mm<sup>2</sup> ... 4 mm<sup>2</sup>

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Crimp contact - SM-36KS003 - 1605760



Crimp contact, turned, Single contact, contact diameter: 3.6 mm, crimp range: 4 mm<sup>2</sup> ... 6 mm<sup>2</sup>

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Crimp contact - SM-36KS004 - 1605762



Crimp contact, turned, Single contact, contact diameter: 3.6 mm, crimp range: 6 mm<sup>2</sup> ... 10 mm<sup>2</sup>

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Crimp contact - SF-7PS2000 - 1605636



Crimp contact, turned, Single contact, contact diameter: 2 mm, crimp range: 0.25 mm<sup>2</sup> ... 1 mm<sup>2</sup>

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Crimp contact - SF-7NS2000 - 1605631



Crimp contact, turned, Single contact, contact diameter: 2 mm, crimp range: 0.75 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>

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## Cable connector - SM-7ES1N8A8002 - 1605851

### Accessories

Crimp contact - SF-7QS2000 - 1605643



Crimp contact, turned, Single contact, contact diameter: 2 mm, crimp range: 1 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>

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Crimp contact - SF-7MS2000 - 1605628



Crimp contact, turned, Single contact, contact diameter: 2 mm, crimp range: 4 mm<sup>2</sup> ... 4 mm<sup>2</sup>

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