

## Cable connector - CA-09S1N12T006 - 1620283

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Cable connector, angled, shielded: yes, Screw locking, M23, No. of pos.: 8+1, type of contact: Socket, Solder connection, cable diameter range: 4 mm ... 6 mm



The figure shows the 6-pos. product version

### Why buy this product

- ✓ Angled cable outlet for confined spaces
- ✓ Can be adapted to various applications, thanks to adjustable cable outlet direction
- ✓ Safe use in the field, thanks to high degree of protection
- ✓ Connector for flexible on-site assembly
- ✓ Consistent EMC protection for reliable transmission of signals
- ✓ Solder connection: proven connection technology for various litz wires

RoHS

### Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 818032
GTIN	4046356818032
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Temperature range

Ambient temperature (operation)	-40 °C ... 125 °C
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#### Data of the insulating body

Coding	N
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### Technical data

#### Data of the insulating body

Insulator material	PBT
Contact material	CuZn
Contact surface material	Ni/Au
Contact connection method	Solder connection
Type of contacts	Socket
Application	Signal
Number of positions	9
Contact diameter of power contacts	2 mm
Litz wire cross section of power contacts min.	0.08 mm <sup>2</sup>
Litz wire cross section of power contacts max.	2.5 mm <sup>2</sup>
Nominal current per power contact at 25°C	20 A
Nominal voltage, power contact	300 V
Rated surge voltage	2.5 kV
Contact diameter of signal contacts	1 mm
Litz wire cross section of signal contacts min.	0.08 mm <sup>2</sup>
Litz wire cross section of signal contacts max.	1 mm <sup>2</sup>
Nominal current per signal contact at 25°C	8 A
Nominal voltage, signal contact	300 V
Overvoltage category	II
Degree of pollution	3

#### Housing data

Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Type of locking	Screw locking
Degree of protection (when plugged in)	IP67
Thread type	M23

#### Cable seal data

Cable diameter	4 mm ... 6 mm
Sealing material	NBR

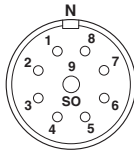
#### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

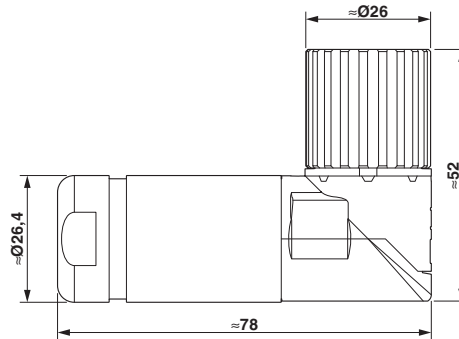
### Drawings

## Cable connector - CA-09S1N12T006 - 1620283

Schematic diagram



Dimensional drawing



### Classifications

#### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	272607xx
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27260702
eCl@ss 7.0	27440102
eCl@ss 8.0	27440102
eCl@ss 9.0	27440103

#### ETIM

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

#### UNSPSC

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

### Approvals

#### Approvals

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### Approvals


#### Approvals

UL Recognized / cUL Recognized / cULus Recognized

#### Ex 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>	E335019-20141210
mm²/AWG/kcmil		18	
Nominal current I <sub>N</sub>		8 A	
Nominal voltage U <sub>N</sub>		300 V	

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>	E335019-20141210
mm²/AWG/kcmil		18	
Nominal current I <sub>N</sub>		6 A	
Nominal voltage U <sub>N</sub>		300 V	

cULus Recognized	
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### Accessories

#### Accessories

#### Mounting material

Torque screwdriver - SF-Z0028 - 1607456



Torque screwdriver

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### Accessories

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Hook wrench - SF-Z0027 - 1607455



Hook wrench

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Color-coding - RF-Z0014 - 1620588



Color-coding, color: green

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Color-coding - RF-Z0015 - 1620592



Color-coding, color: orange

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Color-coding - RF-Z0016 - 1620593



Color-coding, color: black

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### Protective cover

Plastic dust protection cap - RC-Z2058 - 1604223



Plastic dust protection cap for connectors with M23 knurled nuts

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## Cable connector - CA-09S1N12T006 - 1620283

### Accessories

Plastic anti-static dust protection cap - RC-Z2468 - 1611796



Plastic dust protection cap, anti-static, for connectors with M23 knurled nuts

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