

## Cable connector - CA-07S1N12T006 - 1620287

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)

Cable connector, CA, angled, shielded: yes, Screw locking, M23, No. of pos.: 7, type of contact: Socket, Solder connection, cable diameter range: 4 mm ... 6 mm



The figure shows the 6-pos. product version

### Your advantages

- ✓ 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

### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 817998
GTIN	4046356817998
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Temperature range

Ambient temperature (operation)	-40 °C ... 125 °C
---------------------------------	-------------------

#### Data of the insulating body

Coding	N
--------	---

## Cable connector - CA-07S1N12T006 - 1620287

### Technical data

#### Data of the insulating body

Insulator material	PBT
Contact material	CuZn
Contact surface material	Ni/Au
Insertion/withdrawal cycles mechanical	100
Contact connection method	Solder connection
Type of contacts	Socket
Application	Signal
Number of positions	7
Direction of rotation	Standard
Contact diameter of signal contacts	2 mm
Litz wire cross section of signal contacts max.	2.5 mm <sup>2</sup>
Nominal current per signal contact	20 A
Rated voltage of signal contact	300 V
Rated surge voltage	2.5 kV
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

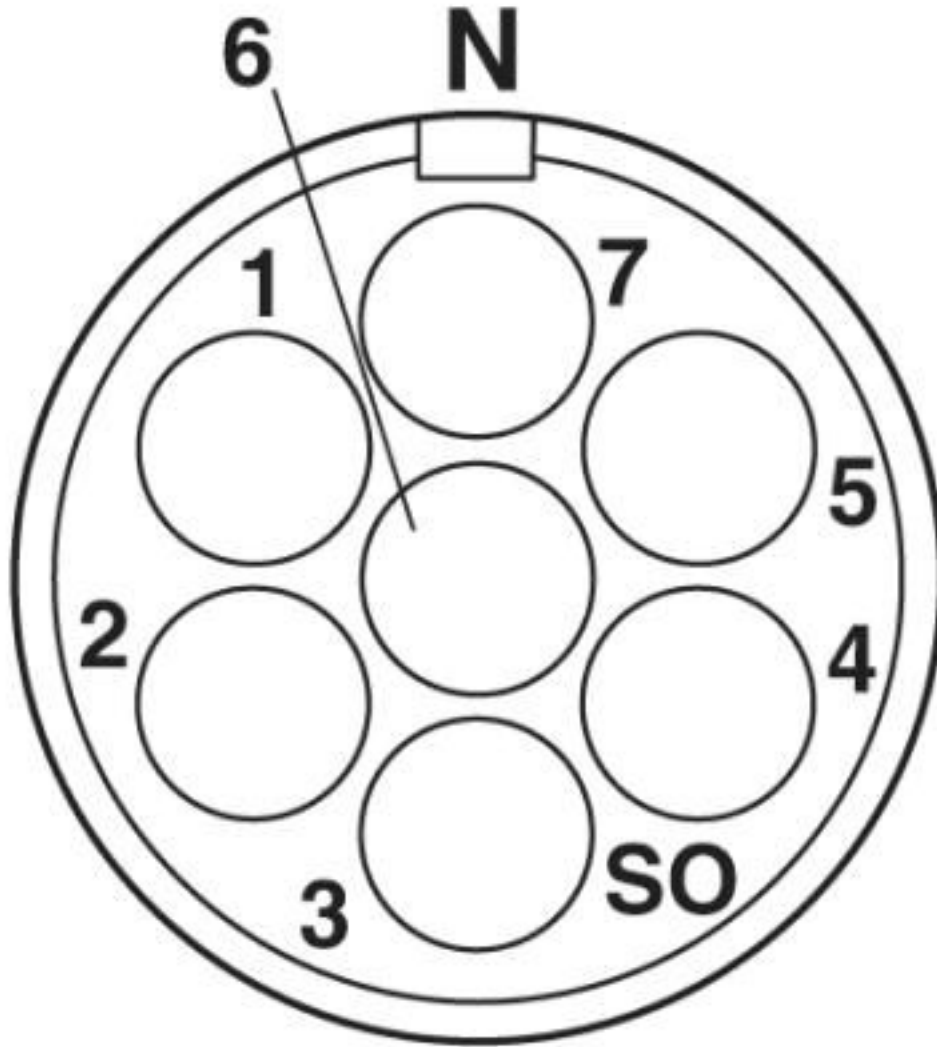
#### Environmental Product Compliance

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

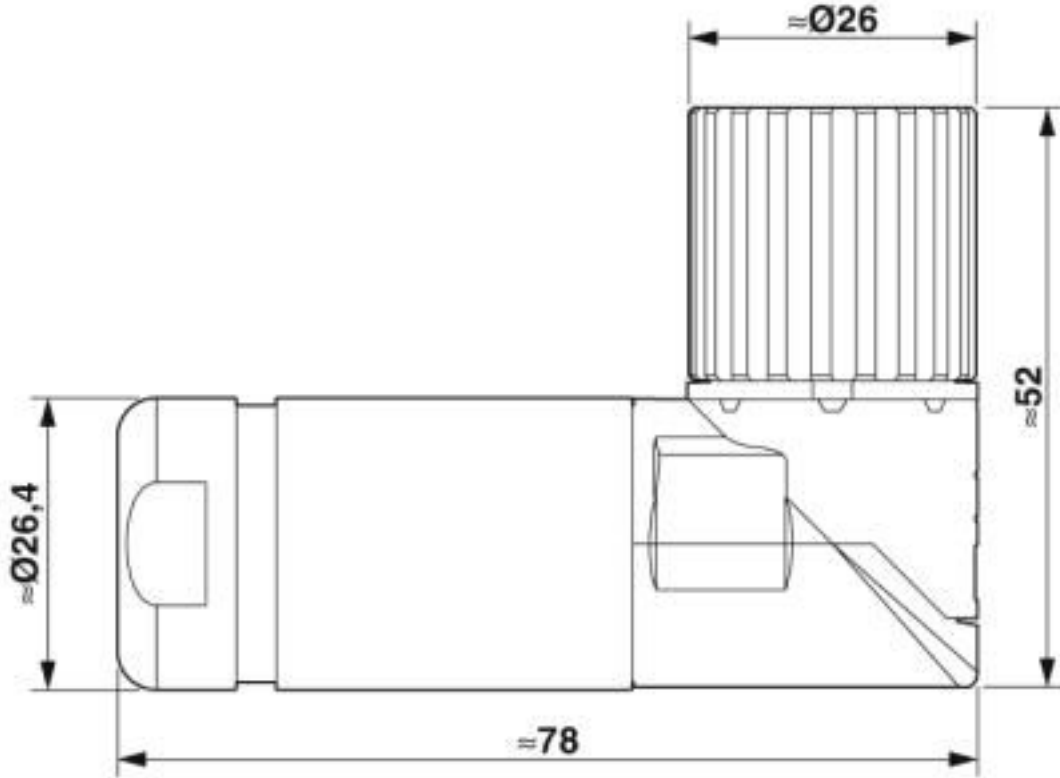
# Cable connector - CA-07S1N12T006 - 1620287

Schematic diagram



# Cable connector - CA-07S1N12T006 - 1620287

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
eCl@ss 7.0	27440102
eCl@ss 8.0	27440102
eCl@ss 9.0	27440102

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002635
ETIM 5.0	EC002635

# Cable connector - CA-07S1N12T006 - 1620287

## Classifications

### ETIM

ETIM 6.0	EC002061
----------	----------

### UNSPSC

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

## Approvals


### Approvals


#### Approvals

UL Recognized / cUL Recognized / EAC / 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
Nominal voltage UN	300 V		
Nominal current IN	20 A		
mm <sup>2</sup> /AWG/kcmil	14		

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
Nominal voltage UN	300 V		

## Cable connector - CA-07S1N12T006 - 1620287

### Approvals

Nominal current I <sub>N</sub>	10 A
mm <sup>2</sup> /AWG/kcmil	14

EAC		B.01687
-----	--	---------

cULus Recognized		
------------------	--	--

### Accessories

#### Accessories

#### Mounting material

Torque screwdriver - SF-Z0028 - 1607456



Torque screwdriver

Color-coding - RF-Z0014 - 1620588



Color-coding, color: green

Color-coding - RF-Z0015 - 1620592



Color-coding, color: orange

## Cable connector - CA-07S1N12T006 - 1620287

### Accessories

Color-coding - RF-Z0016 - 1620593



Color-coding, color: black

---

### Protective cover

Protective cap - RC-Z2058 - 1604223



Plastic protection cap for connectors with M23 knurled nut

---

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



Plastic protection cap, antistatic, for connectors with M23 knurled nut

---

Hook wrench - SF-Z0027 - 1607455



Hook wrench