

Cable connector - CA-16P1N8AT007 - 1620219

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.: 16, type of contact: Pin, Crimp connection, cable diameter range: 6 mm ... 10 mm



The figure shows the 12-pos. product version with solder contacts

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
- Crimping connection: vibration- and temperature-resistant assembly

Key Commercial Data

| | |
|--------------|---------------|
| Packing unit | 1 pc |
| GTIN | |
| GTIN | 4046356818407 |

Technical data

Temperature range

| | |
|---------------------|-------------------|
| Ambient temperature | -40 °C ... 125 °C |
|---------------------|-------------------|

Data of the insulating body

| | |
|---------------------------|---|
| Note | Order information: Order crimp contacts Ø 1 mm separately |
| Coding | N |
| Insulator material | PA 6.6 |
| Contact connection method | Crimp connection |
| Type of contacts | Pin |
| Application | Signal |
| Number of positions | 16 |

Cable connector - CA-16P1N8AT007 - 1620219

Technical data

Data of the insulating body

| | |
|---|----------------------|
| Direction of rotation | Standard |
| Contact diameter of signal contacts | 1 mm |
| Litz wire cross section of signal contacts min. | 0.08 mm ² |
| Litz wire cross section of signal contacts max. | 1 mm ² |
| Nominal current per signal contact | 8 A |
| Rated voltage of signal contact | 150 V |
| Rated surge voltage | 1.5 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 | 6 mm ... 10 mm |
| Sealing material | NBR |

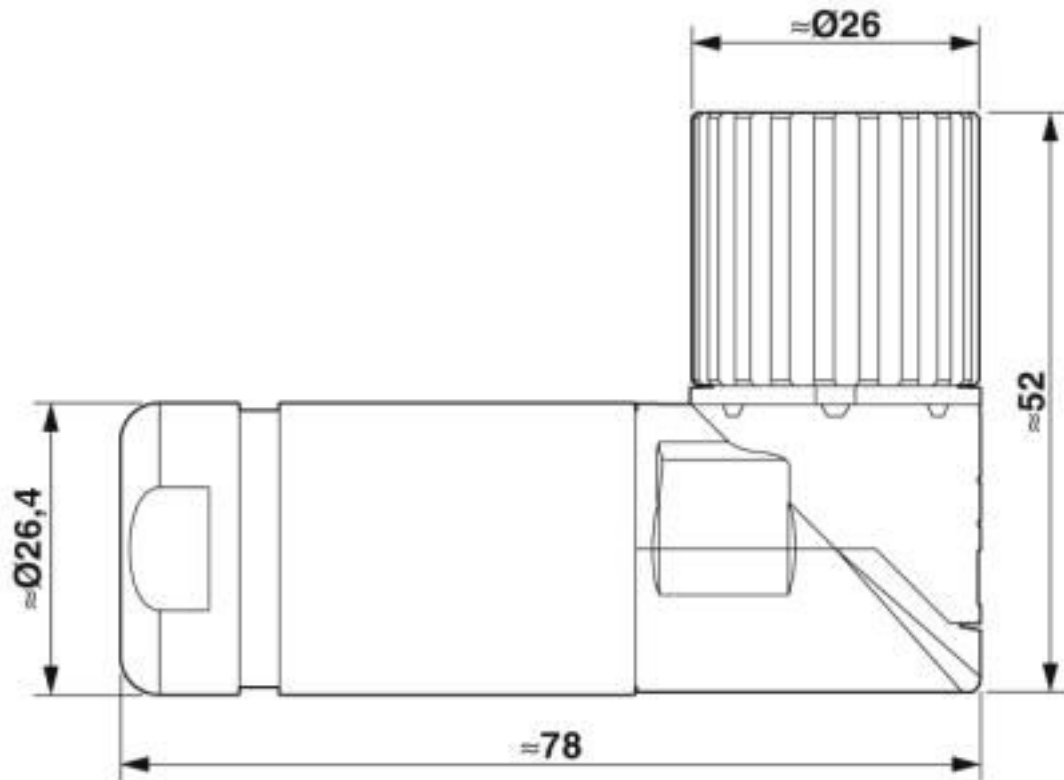
Environmental Product Compliance

| | |
|------------|---|
| 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-16P1N8AT007 - 1620219

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 |
| ETIM 6.0 | EC002635 |
| ETIM 7.0 | EC002635 |

Cable connector - CA-16P1N8AT007 - 1620219

Classifications

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 |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E335019-20141210 |
| Nominal voltage UN | 150 V | |
| Nominal current IN | 5 A | |
| mm²/AWG/kcmil | 20 | |

| | | |
|--------------------|---|--|
| cUL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E335019-20141210 |
| Nominal voltage UN | 150 V | |
| Nominal current IN | 3 A | |
| mm²/AWG/kcmil | 20 | |

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

Cable connector - CA-16P1N8AT007 - 1620219

Approvals

cULus Recognized



Accessories

Accessories

Circular connectors (device side)

Hook wrench - SF-Z0027 - 1607455



Hook wrench

Crimp contact

Crimp contact - RC-12P2000 - 1597862



Crimp contact, turned, Single contact, contact diameter: 1 mm, crimp range: 0.14 mm² ... 0.56 mm²

Crimp contact - RC-11P2000 - 1596770



Crimp contact, turned, Single contact, contact diameter: 1 mm, crimp range: 0.08 mm² ... 0.22 mm²

Crimp contact - RC-1KP2000 - 1602996



Crimp contact, turned, Single contact, contact diameter: 1 mm, crimp range: 0.5 mm² ... 1 mm²

Cable connector - CA-16P1N8AT007 - 1620219

Accessories

Crimp contact - RC-22P2400 - 1603325



Crimp contact, rolled, number of pieces per reel: 10000, contact diameter: 1 mm, crimp range: 0.22 mm² ... 0.56 mm²

Crimp contact - RC-22P2000 - 1603321



Crimp contact, rolled, Single contact, contact diameter: 1 mm, crimp range: 0.22 mm² ... 0.56 mm²

Crimp contact - RC-22P2300 - 1603324



Crimp contact, rolled, Taped articles, number of pieces per reel: 500, contact diameter: 1 mm, crimp range: 0.22 mm² ... 0.56 mm²

Mounting material

Torque screwdriver - SF-Z0028 - 1607456



Torque screwdriver

Color-coding - RF-Z0014 - 1620588



Color-coding, color: green

Cable connector - CA-16P1N8AT007 - 1620219

Accessories

Color-coding - RF-Z0015 - 1620592



Color-coding, color: orange

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

Metal protective cap - CA-Z0077 - 1627224



Metal protection cap with steel wire and loop, for M23 signal connectors with knurled nut for fastening to the cable

Phoenix Contact 2020 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Phoenix Contact:](#)

[1620219](#)