

Cable connector - CA-1RS1N8A8007 - 1623842

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Cable connector, CA, straight, shielded: yes, Screw locking, M23, No. of pos.: 16+2+PE, type of contact: Socket, Crimp connection, cable diameter range: 6 mm ... 10 mm, coding:N

Your advantages

- ✓ 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 |  4 055626 228518 |
| GTIN | 4055626228518 |
| Custom tariff number | 85366990 |
| Country of origin | Germany |

Technical data

Data of the insulating body

| | |
|---------------------------|--|
| Note | Order information: Order crimp contacts 16 x Ø 1 mm, 3 x Ø 1.5 mm separately |
| Coding | N |
| Insulator material | PA 6.6 |
| Contact connection method | Crimp connection |
| Type of contacts | Socket |
| Application | Signal |

Cable connector - CA-1RS1N8A8007 - 1623842

Technical data

Data of the insulating body

| | |
|---|-----------------------------------|
| Number of positions | 19 |
| Direction of rotation | Standard |
| Contact diameter of power contacts | 1.5 mm |
| Litz wire cross section of power contacts min. | 0.08 mm ² |
| Litz wire cross section of power contacts max. | 1 mm ² |
| Rated current for power contacts | 10 A |
| Note | for max. connection cross section |
| Rated voltage | 48 V AC 74 V DC |
| Rated surge voltage | 1.5 kV |
| Overvoltage category | III |
| Degree of pollution | 3 |
| 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 |
| Note | for max. connection cross section |
| Rated voltage of signal contact | 48 V AC |
| Rated surge voltage | 1.5 kV |
| Overvoltage category | III |
| Degree of pollution | 3 |
| Note | for max. connection cross section |

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 |

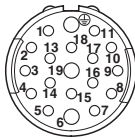
Environmental Product Compliance

| | |
|------------|---|
| 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" |

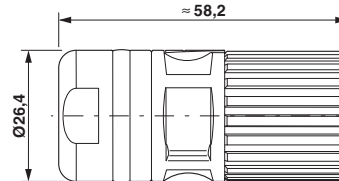
Cable connector - CA-1RS1N8A8007 - 1623842

Drawings

Schematic diagram



Dimensional drawing



Classifications

eCl@ss

| | |
|---------------|----------|
| eCl@ss 10.0.1 | 27440102 |
| eCl@ss 11.0 | 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 9.0 | 27440102 |

ETIM

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

UNSPSC

| | |
|-------------|----------|
| UNSPSC 13.2 | 39121413 |
| UNSPSC 18.0 | 39121413 |
| UNSPSC 19.0 | 39121413 |
| UNSPSC 20.0 | 39121413 |
| UNSPSC 21.0 | 39121413 |

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / cULus Recognized

Cable connector - CA-1RS1N8A8007 - 1623842

Approvals

Ex Approvals

Approval details

| | | | |
|----------------------------|--|---|------------------|
| UL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E335019-20141210 |
| | | | |
| Nominal voltage UN | | 48 V | |
| Nominal current IN | | 8 A | |
| mm ² /AWG/kcmil | | 18 | |

| | | | |
|----------------------------|--|---|------------------|
| cUL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E335019-20141210 |
| | | | |
| Nominal voltage UN | | 48 V | |
| Nominal current IN | | 5 A | |
| mm ² /AWG/kcmil | | 18 | |

| | | | |
|------------------|--|--|--|
| cULus Recognized | | | |
|------------------|--|--|--|

Accessories

Accessories

Circular connectors (device side)

Hook wrench - SF-Z0027 - 1607455



Hook wrench

Crimp contact

Cable connector - CA-1RS1N8A8007 - 1623842

Accessories

Crimp contact - RC-11S2000 - 1596772



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

Crimp contact - RC-12S2000 - 1599600



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

Crimp contact - RC-1KS2000 - 1602998



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

Crimp contact - RC-15S2000 - 1623775



Crimp contact, turned, contact diameter: 1.5 mm, crimp range: 0.5 mm² ... 1 mm²

Crimp contact - RC-15S2200 - 1627290



Crimp contact, turned, contact diameter: 1.5 mm, crimp range: 0.08 mm² ... 0.22 mm²

Mounting material

Cable connector - CA-1RS1N8A8007 - 1623842

Accessories

Torque screwdriver - SF-Z0028 - 1607456



Torque screwdriver

Square mounting flange - RF-Z0003 - 1607905



Square mounting flange, Axial seal, 4xM3, flange dimensions: 35 mm x 35 mm

Special wrench - RF-Z0007 - 1614347



Special wrench

Color-coding - RF-Z0014 - 1620588



Color-coding, color: green

Color-coding - RF-Z0015 - 1620592



Color-coding, color: orange

Cable connector - CA-1RS1N8A8007 - 1623842

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

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