Coupler connector - CA-07S1N1290DN - 1620168

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The figure shows the 6-pos. product version

Coupling connector, straight, shielded: yes, SPEEDCON locking, M23, Number of positions: 7, Type of contact: Socket, Solder connection, Cable diameter: 3 mm ... 14.5 mm

Why buy this product

- 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 818773
GTIN	4046356818773
Weight per Piece (excluding packing)	98.610 g
Custom tariff number	85366990
Country of origin	Germany
Note	Made to Order (non-returnable)

Technical data

Temperature range

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

Data of the insulating body

Coding	N
Insulator material	PBT
Contact material	CuZn
Contact surface material	Ni/Au
Contact connection method	Solder connection

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Technical data

Data of the insulating body

Type of contacts	Socket
Number of positions	7
Contact diameter of power contacts	2 mm
Litz wire cross section of power contacts min.	0.08 mm²
Litz wire cross section of power contacts max.	2.5 mm²
Nominal current per power contact at 25°C	20 A
Nominal voltage, power 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	SPEEDCON locking
Degree of protection (when plugged in)	IP67
Thread type	M23

Cable seal data

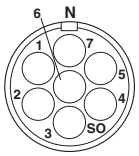
Min. cable diameter	3 mm
Max. cable diameter	14.5 mm
Sealing material	NBR

Environmental Product Compliance

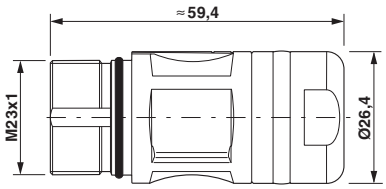
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration”

Drawings

Schematic diagram



Dimensional drawing



Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	272607xx

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Classifications

eCl@ss

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	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

mm²/AWG/kcmil	14
Nominal current IN	20 A
Nominal voltage UN	300 V

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Approvals

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E335019-20141210

mm²/AWG/kcmil	14
Nominal current IN	10 A
Nominal voltage UN	300 V

EAC		B.01742

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm

Accessories

Accessories

Mounting material

Color-coding - RF-Z0015 - 1620592

Color-coding, Color: orange

Color-coding - RF-Z0016 - 1620593

Color-coding, Color: black

Color-coding - RF-Z0014 - 1620588

Color-coding, Color: green

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Accessories

Protective cover

Plastic dust protection cap - SF-Z0019 - 1607449

Plastic dust protection cap - RC-Z2059 - 1604225

Plastic dust protection cap for connectors with M23 external thread

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Plastic anti-static dust protection cap - RC-Z2469 - 1611797

Plastic dust protection cap, anti-static, for RF, SF, CA, RC series connectors, with M23 external thread

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