PHŒNIX CONTACT

Device connector, front mounting - SF-5EP1N8AA500 - 1620657

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Device connector, front mounting, angled rotatable, Screw locking, M23, Number of positions: 5+PE, Type of contact: Pin, Crimp connection, Axial O-ring, 4xØ3,2, shielded: Yes, Flange dimensions: 26 mm x 26 mm, Compatible with mating connectors with SPEEDCON or M23 standard knurled nuts

The figure shows the 8-pos. (4+3+PE) product version

Key commercial data

Packing unit	1 pc
GTIN	4 046356 839969
Weight per Piece (excluding packing)	123.3 g
Custom tariff number	85366990
Country of origin	Germany
Product key	ABRCBL
Note	Made to Order (non-returnable)

Technical data

General

Note	Order information Order crimp contacts 6 x Ø 2 mm separately
Type of locking	Screw locking
Coding	N
Contact connection method	Crimp connection
Type of contacts	Pin
Number of positions	6
Contact diameter of power contacts	2 mm
Nominal current per power contact at 25°C	30 A
Contact diameter of signal contacts	2 mm
Nominal current per signal contact at 25°C	30 A
Mounting type	4xØ3,2

Ambient conditions

Ambient temperature	-40 °C ... 125 °C

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Ambient conditions

Degree of protection	IP67

Specifications according to DIN EN 61984:2001

Installation height max.	3000 m
Nominal / operating voltage of power contacts	630 V
Rated surge voltage of power contacts	6 kV
Surge voltage category of power contacts	III
Pollution degree of power contacts	3
Nominal / operating voltage of signal contacts	630 V
Rated surge voltage of signal contacts	6 kV
Surge voltage category of signal contacts	III
Pollution degree of signal contacts	3

Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 7.0	27440209
eCl@ss 8.0	27440209

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC001121
ETIM 5.0	EC002641

UNSPSC

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

Accessories

Accessories

Crimp contact

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Accessories

Crimp contact - SF-7RP2000 - 1605646

Crimp contact, turned, Single contact, Contact diameter: 2 mm, Crimp range: 0.14 mm²...0.25 mm²

Crimp contact - SF-7PP2000 - 1605634

Crimp contact, turned, Single contact, Contact diameter: 2 mm, Crimp range: 0.25 mm²...1 mm²

Crimp contact - SF-20KP004 - 1607376

Crimp contact, turned, Contact diameter: 2 mm, Crimp range: 0.75 mm²...1.5 mm²

Crimp contact - SF-7QP2000 - 1605639

Crimp contact, turned, Single contact, Contact diameter: 2 mm, Crimp range: 1 mm²...2.5 mm²

Crimp contact - SF-7MP2000 - 1605626

Crimp contact, turned, Single contact, Contact diameter: 2 mm, Crimp range: 4 mm²...4 mm²

Mounting material

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Accessories

Color-coding - RF-Z0017 - 1620624

Color-coding, Color: green

Color-coding - RF-Z0018 - 1620625

Color-coding, Color: orange

Color-coding - RF-Z0019 - 1620626

Color-coding, Color: black

Protective cover

Plastic dust protection cap - SF-Z0019 - 1607449

Plastic dust protection cap with IP40 eye for connectors with M23 external thread, RF, SF series

Plastic dust protection cap - RC-Z2059 - 1604225

Plastic dust protection cap for connectors with M23 external thread

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Accessories

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

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

Metal dust protection cap - SC-Z2319 - 1605456

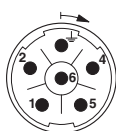Metal dust protection cap for power plugs with M23 external thread

Metal dust protection cap - SC-Z2320 - 1605457

Metal dust protection cap with steel wire for power plugs with M23 external thread
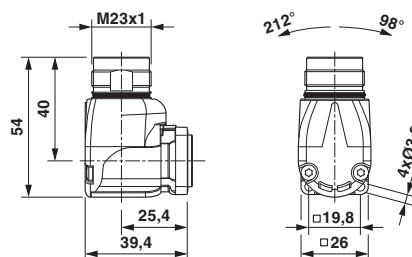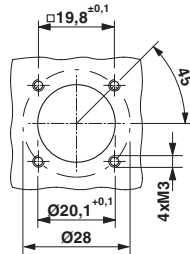
Drawings

Schematic diagram

Connector pin assignment

Dimensioned drawing

Dimensional drawing

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Dimensioned drawing

Installation dimensions