



Automatización Eléctrica
Especialistas en Automatización

At the end of this document you will find links to products related to this catalog. You can go directly to our shop by clicking HERE. [HERE](#)

Device connector, front mounting - SF-7EP1N8AWA00 - 1605589

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>)



Device connector, front mounting, straight, Screw locking, M23, Number of positions: 4+3+PE, Type of contact: Male connector, Crimp connection, Axial O-ring, 4x Ø3.2, shielded: yes, Flange dimensions: 26 mm x 26 mm, Cable diameter: 0 mm...0 mm, Compatible with mating connectors with SPEEDCON or M23 standard knurled nuts

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 182218

Technical data

General

Note	Order information Order crimp contacts 4 x Ø 1 mm, 4 x Ø 2 mm separately
Type of locking	Screw locking
Coding	N
Contact connection method	Crimp connection
Type of contacts	Male connector
Number of positions	8
Contact diameter of power contacts	2 mm
Nominal current per power contact at 25°C	30 A
Contact diameter of signal contacts	1 mm
Nominal current per signal contact at 25°C	9 A
Conductor entry	0 mm ... 0 mm
Pg housing screw connection	none
Mounting type	4x Ø3.2

Ambient conditions

Ambient temperature	-40 °C ... 125 °C
Degree of protection	IP67

Material

Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Insulator material	PA 66
Gasket and O-ring material	FPM

Device connector, front mounting - SF-7EP1N8AWA00 - 1605589

Technical data

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
Overvoltage category of power contacts	III
Degree of pollution of power contacts	3
Nominal / operating voltage of signal contacts	250 V
Rated surge voltage of signal contacts	4 kV
Overvoltage category of signal contacts	III
Degree of pollution 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	EC002635

UNSPSC

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

Approvals

Approvals

Approvals

UL Recognized / EAC / cUL Recognized


Device connector, front mounting - SF-7EP1N8AWA00 - 1605589

Approvals

Ex Approvals

Approvals submitted

Approval details

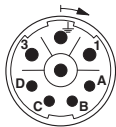
UL Recognized 	
mm²/AWG/kcmil	4.0
Nominal current I _N	27 A
Nominal voltage U _N	600 V

EAC

cUL Recognized	
mm²/AWG/kcmil	4.0
Nominal current I _N	18 A
Nominal voltage U _N	600 V

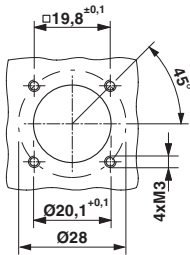
Drawings

Schematic diagram



Connector pin assignment

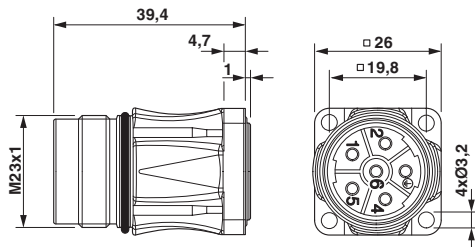
Dimensional drawing



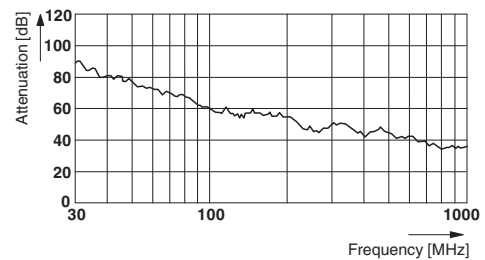
Installation dimensions

Device connector, front mounting - SF-7EP1N8AWA00 - 1605589

Dimensional drawing



Diagram



Dimensional drawing

Phoenix Contact 2016 © - 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>

Below is a list of articles with direct links to our shop Electric Automation Network where you can see:

- Quote per purchase volume in real time.
- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, [click on the green button.](#)

Product	Code	Reference	Product link
Device connector, front mounting, straight, Screw locking, M23, Number of positions: 4+3+PE, Type of contact: Male connector, Crimp connection, Axial O-ring, 4x Ø3.2, shielded: Yes, Flange dimensions: 26 mm x 26 mm, Cable diameter: 0 mm...0 mm, Compatible with mating connectors with SPEEDCON or M23 standard knurled nuts	1605589	SF-7EP1N8AWA00	Buy on EAN