

Cable connector - SF-7ES1N8A80DUS - 1618207

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Cable connector, straight short, SPEEDCON locking, M23, number of positions: 4+3+PE, type of contact: Socket, Crimp connection, shielded: Yes, cable diameter range: 7.5 mm ... 14 mm

Why buy this product

- ✓ Consistent EMC protection for reliable connection solutions in the industrial environment
- ✓ Crimping connection: vibration- and temperature-resistant assembly
- ✓ Flexible use: reliably connect cable diameters of 7.5 mm ... 14 mm
- ✓ Molded designs with pre-assembled cables on one or both sides



Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 584555
GTIN	4046356584555

Technical data

General

Note	Order information: Order crimp contacts 4 x Ø 1 mm, 4 x Ø 2 mm separately
Type of locking	SPEEDCON locking
Coding	N
Contact connection method	Crimp connection
Type of contacts	Socket
Number of positions	8
Contact diameter of power contacts	2 mm
Litz wire cross section of power contacts min.	0.25 mm ²
Litz wire cross section of power contacts max.	4 mm ²
Nominal current per power contact at 25°C	30 A
Contact diameter of signal contacts	1 mm
Litz wire cross section of signal contacts min.	0.06 mm ²

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Technical data

General

Litz wire cross section of signal contacts max.	1 mm ²
Nominal current per signal contact at 25°C	9 A
Conductor entry	7.5 mm ... 14 mm
Pg housing screw connection	none

Ambient conditions

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

Specifications according to DIN EN 61984:2001

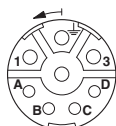
Installation height max.	3000 m
Nominal / operating voltage of power contacts	630 V
Rated surge voltage of power contacts	6 kV
Overvoltage category of power contacts	III
Degree of pollution of power contacts	3
Nominal / operating voltage of signal contacts	250 V
Rated surge voltage of signal contacts	4 kV
Overvoltage category of signal contacts	III
Degree of pollution of signal contacts	3

Environmental Product Compliance

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

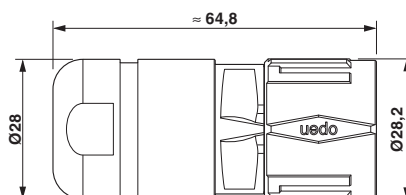
Drawings

Schematic diagram



Connector pin assignment

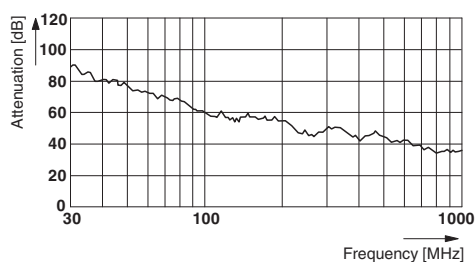
Dimensional drawing



Dimensional drawing

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Diagram



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 E153698-20041116	
mm²/AWG/kcmil	4.0
Nominal current I _N	27 A
Nominal voltage U _N	600 V

cUL Recognized  http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E153698-20041116	
mm²/AWG/kcmil	4.0
Nominal current I _N	18 A
Nominal voltage U _N	600 V

EAC  B.01742

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Approvals

cULus Recognized



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

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