

## Rear panel feed-through - SF-5EP1N8AC0DU - 1605517

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>)



Rear panel feed-through, straight, Screw locking, M23, Number of positions: 5+PE, Type of contact: Male connector, Crimp connection, Axial O-ring, 4xM3, shielded: yes, Cable diameter: 7.5 mm...14 mm


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

### 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



### Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 253314
GTIN	4046356253314
Weight per Piece (excluding packing)	126.900 g
Custom tariff number	85366990
Country of origin	Germany
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	Male connector
Number of positions	6
Contact diameter of power contacts	2 mm
Nominal current per power contact at 25°C	30 A

# Rear panel feed-through - SF-5EP1N8AC0DU - 1605517

## Technical data

### General

Contact diameter of signal contacts	2 mm
Conductor entry	7.5 mm ... 14 mm
Pg housing screw connection	none
Mounting type	4xM3

### 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

### Specifications according to DIN EN 61984:2001

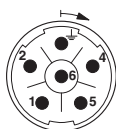
Installation height max.	3000 m
Nominal / operating voltage of power contacts	630 V
Rated surge voltage of power contacts	6 kV
Overvoltage category of power contacts	III
Degree of pollution of power contacts	3
Rated surge voltage of signal contacts	6 kV
Overvoltage category of signal contacts	III
Degree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

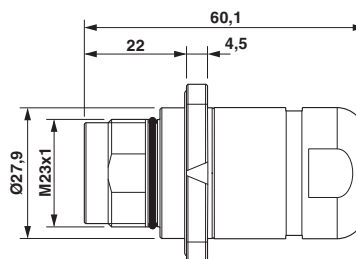
## Drawings

Schematic diagram



Connector pin assignment

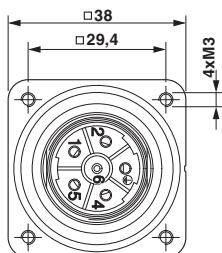
Dimensional drawing



Dimensional drawing

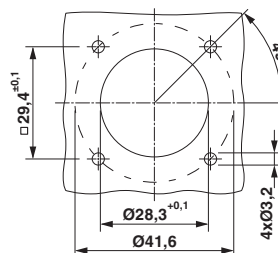
# Rear panel feed-through - SF-5EP1N8AC0DU - 1605517

Dimensional drawing



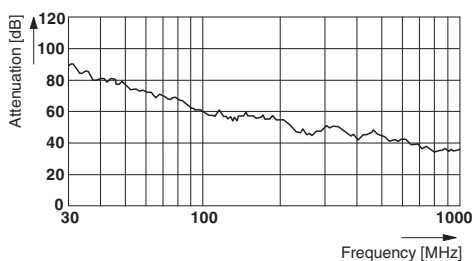
Flange dimensions

Dimensional drawing



Installation dimensions

Diagram



## Classifications

### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27260708
eCl@ss 7.0	27440312
eCl@ss 8.0	27440103
eCl@ss 9.0	27440102

### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC001121
ETIM 5.0	EC002061
ETIM 6.0	EC002061

### UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	39121413

# Rear panel feed-through - SF-5EP1N8AC0DU - 1605517

## Approvals

### Approvals

---

#### Approvals


UL Recognized / cUL Recognized / EAC / cULus Recognized


---

#### Ex Approvals


---

## Approval details

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> E153698-20041116
mm <sup>2</sup> /AWG/kcmil		4.0
Nominal current I <sub>N</sub>		27 A
Nominal voltage U <sub>N</sub>		600 V

cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> E153698-20041116
mm <sup>2</sup> /AWG/kcmil		4.0
Nominal current I <sub>N</sub>		18 A
Nominal voltage U <sub>N</sub>		600 V

EAC		B.01742
-----	---	---------

cULus Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>
------------------	---	---

## Accessories

### Accessories

Crimp contact

## Rear panel feed-through - SF-5EP1N8AC0DU - 1605517

### Accessories

Crimp contact - SF-7RP2000 - 1605646



Crimp contact, turned, Single contact, Contact diameter: 2 mm, Crimp range: 0.14 mm<sup>2</sup>...0.25 mm<sup>2</sup>

---

Crimp contact - SF-7PP2000 - 1605634



Crimp contact, turned, Single contact, Contact diameter: 2 mm, Crimp range: 0.25 mm<sup>2</sup>...1 mm<sup>2</sup>

---

Crimp contact - SF-20KP004 - 1607376



Crimp contact, turned, Contact diameter: 2 mm, Crimp range: 0.75 mm<sup>2</sup>...1.5 mm<sup>2</sup>

---

Crimp contact - SF-7QP2000 - 1605639



Crimp contact, turned, Single contact, Contact diameter: 2 mm, Crimp range: 1 mm<sup>2</sup>...2.5 mm<sup>2</sup>

---

Crimp contact - SF-7MP2000 - 1605626



Crimp contact, turned, Single contact, Contact diameter: 2 mm, Crimp range: 4 mm<sup>2</sup>...4 mm<sup>2</sup>

---

### Mounting material

## Rear panel feed-through - SF-5EP1N8AC0DU - 1605517

### Accessories

Color-coding - SF-Z0064 - 1620585



Color-coding, Color: green

---

Color-coding - SF-Z0065 - 1620586



Color-coding, Color: orange

---

Color-coding - SF-Z0066 - 1620587



Color-coding, Color: black

---

### Protective cover

Plastic anti-static dust protection cap - SF-Z0019 - 1607449



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

---

Plastic dust protection cap - RC-Z2059 - 1604225



Plastic dust protection cap for connectors with M23 external thread

---

## Rear panel feed-through - SF-5EP1N8AC0DU - 1605517

### 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

---

---