

# SF-5ES1N8A80DV - Cable connector



1617934

<https://www.phoenixcontact.com/us/products/1617934>

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Cable connector, application: Power, straight short, M23, number of positions: 5+PE, contact connection type: Socket, shielded: yes, number of positions: 6, connection method: Crimp connection, series: SF, This product is in the process of being discontinued. This product must no longer be considered for new projects. Please contact your sales representative for alternatives.

## Commercial data

Item number	1617934
Packing unit	20 pc
Minimum order quantity	1 pc
Product key	ABRBFA
GTIN	4046356642583
Weight per piece (including packing)	133.3 g
Weight per piece (excluding packing)	125.934 g
Country of origin	DE

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## Technical data

### Notes

Order information:	Order crimp contacts 6 x Ø 2 mm separately
Note on application	Series SF connectors are not compatible with series M23 PRO and must not be combined.

### Product properties

Product type	Circular connector (cable-side)
Series	SF
Application	Power
Number of positions	6
Connection profile	5+PE
Shielded	yes
Coding	N
Thread type	M23

### Material specifications

Material Housing	Metal
Material Seal	FPM

### Connection data

#### Conductor connection

Connection method	Crimp connection
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### Electrical properties

#### Contact: Contact group 1

Contact diameter	2 mm
Nominal current $I_N$	30 A
Nominal voltage $U_N$	630 V
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	6 kV

#### Contact: Contact group 2

Contact diameter	2 mm
Nominal current $I_N$	30 A
Nominal voltage $U_N$	630 V
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	6 kV

### Connector

Type	straight short
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## Connection 1

Head design	Socket
Head cable outlet	straight, short
Head thread type	M23

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
Altitude	3000 m
Permissible humidity (storage/transport)	50 % ... 65 %

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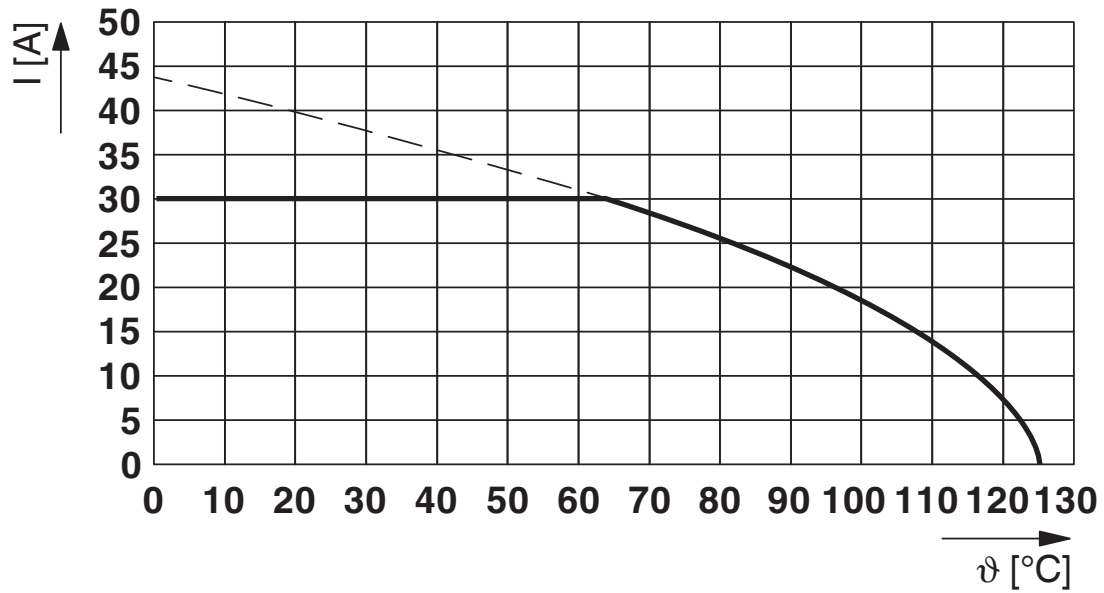


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## Drawings

Diagram



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## Classifications

### ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

### ETIM

ETIM 10.0	EC002635
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	f1bc11ca-c6f1-408a-875d-cca9029ce112

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