

Cable connector - SF-7ES1N8A8LB3S - 1618210

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>)



Cable connector, SPEEDCON locking, M23, Number of positions: 4+3+PE, Type of contact: Socket, Crimp connection, shielded: Yes, Cable diameter: 9 mm...12 mm



Key commercial data

Packing unit	1 pc
Custom tariff number	85366990
Country of origin	Germany

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
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 mm²
Nominal current per signal contact at 25°C	9 A
Conductor entry	9 mm ... 12 mm

Ambient conditions

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

Cable connector - SF-7ES1N8A8LB3S - 1618210

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
Surge voltage category of power contacts	III
Pollution degree of power contacts	3
Nominal / operating voltage of signal contacts	250 V
Rated surge voltage of signal contacts	4 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	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27260708
eCl@ss 7.0	27440312
eCl@ss 8.0	27440102

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

Approvals

Approvals

Cable connector - SF-7ES1N8A8LB3S - 1618210

Approvals

Approvals

UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized 	
mm²/AWG/kcmil	4.0
Nominal current I _N	25 A
Nominal voltage U _N	600 V

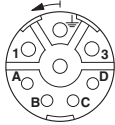
cUL Recognized 	
mm²/AWG/kcmil	4.0
Nominal current I _N	15 A
Nominal voltage U _N	600 V

cULus Recognized 	
--	--

Drawings

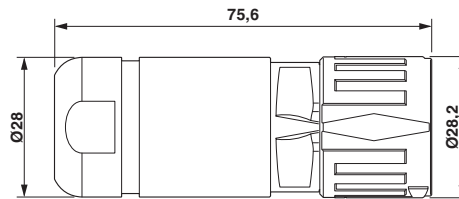
Cable connector - SF-7ES1N8A8LB3S - 1618210

Schematic diagram



Connector pin assignment

Dimensional drawing



Dimensional drawing