

## Cable connector - SH-8ESS48A8LB4S - 1621525

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, straight long, shielded: Yes, SPEEDCON locking, M23, No. of pos.: 8+4+PE / 3+N+PE, type of contact: Socket, Crimp connection, cable diameter range: 7.5 mm ... 9 mm


The figure shows the product version with CAT5 interface

### Why buy this product

- ✓ All housing can be fitted with pin or socket contacts
- ✓ A total of eight contacts are available for signal transmission
- ✓ Reduced connection time with optional SPEEDCON fast locking system
- ✓ Safe use in the field, thanks to high degree of protection
- ✓ Consistent EMC protection for reliable connection solutions in the industrial environment



### Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 936484
GTIN	4046356936484

### Technical data

#### Temperature range

Ambient temperature (operation)	-40 °C ... 130 °C
---------------------------------	-------------------

#### Data of the insulating body

Note	Order information: Crimp contacts, 8 x Ø 1 mm, 5 x Ø 2 mm, order separately
Coding	N
Insulator material	Polyamide (PA 6.6)
Insertion/withdrawal cycles mechanical	100
Contact connection method	Crimp connection
Type of contacts	Socket
Application	Hybrid

## Cable connector - SH-8ESS48A8LB4S - 1621525

### Technical data

#### Data of the insulating body

Number of positions	13
Contact diameter of power contacts	2 mm
Litz wire cross section of power contacts min.	0.25 mm <sup>2</sup>
Litz wire cross section of power contacts max.	4 mm <sup>2</sup>
Nominal current per power contact at 25°C	30 A
Nominal voltage, power contact	630 V AC
Rated surge voltage	6 kV
Contact diameter of signal contacts	1 mm
Litz wire cross section of signal contacts min.	0.06 mm <sup>2</sup>
Litz wire cross section of signal contacts max.	1 mm <sup>2</sup>
Nominal current per signal contact at 25°C	8 A
Nominal voltage, signal contact	50 V
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3

#### Housing data

Note	Notes on operation Full occupation with 5 x 4 mm <sup>2</sup> for cable and coupler connectors not possible.
Housing material	Metal
Type of locking	SPEEDCON locking
Degree of protection (when plugged in)	IP67
	IP68
Thread type	M23

#### Cable seal data

Cable diameter	7.5 mm ... 9 mm
Sealing material	FKM

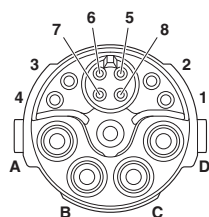
#### Environmental Product Compliance

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

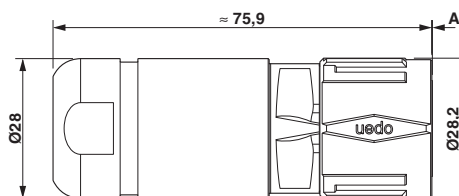
### Drawings

## Cable connector - SH-8ESS48A8LB4S - 1621525

Schematic diagram



Dimensional drawing



Socket pin assignment, signal

Pin version: dimension A = 0.2 mm, socket version: dimension A = 0 mm

### Approvals

#### Approvals

Approvals

EAC

Ex Approvals

#### Approval details

EAC



B.01742

Phoenix Contact 2018 © - 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>