

SH-8ES008A8LDLS - Cable connector



1105731

<https://www.phoenixcontact.com/us/products/1105731>

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M23, Cable connector, series: SH, straight long, shielded: yes, SPEEDCON, No. of pos.: 4+4+PE / 3+N+PE, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, cable diameter range: 7.5 mm ... 18 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1238432

Your advantages

- Safe use in the field, thanks to high degree of protection
- Consistent EMC protection for reliable connection solutions in the industrial environment

Commercial data

Item number	1105731
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	ABRCDB
GTIN	4063151003753
Weight per piece (including packing)	124.13 g
Weight per piece (excluding packing)	124.13 g
Country of origin	DE

Technical data

Notes

Safety note

<p>Safety note</p>	<p>WARNING: The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.</p> <ul style="list-style-type: none"> • WARNING: Commission properly functioning products only. The products must be regularly inspected for damage. Decommission defective products immediately. Replace damaged products. Repairs are not possible. • WARNING: Only electrically qualified personnel may install and operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics of electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indicates that only personnel familiar with electrical engineering are allowed to install and operate the product. • The products are suitable for applications in plant, controller, and electrical device engineering. • When operating the connectors in outdoor applications, they must be separately protected against environmental influences. • Assembled products may not be manipulated or improperly opened. • Only use mating connectors that are specified in the technical data of the standards listed (e.g. the ones listed in the product accessories online at phoenixcontact.com/products). • When using the product in direct connection with third-party manufacturers, the user is responsible. • For operating voltages > 50 V AC, conductive connector housings must be grounded • Ensure that the protective or functional ground has been properly connected. • VDE 0100/1.97 § 411.1.3.2 and DIN EN 60 204/11.98 § 14.1.3 are applicable when combining several circuits in a cable and/or connector • Only use tools recommended by Phoenix Contact • The installation notes/Design In documents online on the download page at phoenixcontact.com/products must be observed for this product. • Operate the connector only when it is fully plugged in and interlocked. • Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the standards. • Observe the minimum bending radius of the cable. Lay the cable without twisting it. • The connector warms up in normal operation. Depending on the ambient conditions, the surface of the connector can continue to warm up. In this case, the user is responsible for posting warnings (e.g. DIN EN ISO 13732-1:2008-12).
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Product properties

Product type	Circular connector (cable-side)
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Connector

Insulating body

Note	Order information: Crimp contacts, 4 x Ø1 mm, 5 x Ø2 mm, order separately
Coding	N
Insulation body material	PA 6.6
Insertion/withdrawal cycles	100
Connection method	Crimp connection
Contact switching type	Socket
Application	Hybrid
Number of positions	9
Direction of rotation	Standard
Connection profile	4+4+PE / 3+N+PE
Contact diameter Power contacts	2 mm
Litz wire cross-section Power contacts min.	0.25 mm ²
Litz wire cross-section Power contacts max.	4 mm ²
Rated current Power contacts	30 A
Rated voltage	630 V AC
Rated surge voltage	6 kV
Overvoltage category	III
Degree of pollution	3
Contact diameter Signal contacts	1 mm
Litz wire cross-section Signal contacts min.	0.06 mm ²
Litz wire cross-section Signal contacts max.	1 mm ²
Nominal current per signal contact	8 A
Rated voltage Signal contact	50 V
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3
Installation height	2000 m

Housing

Notes on operation	The suitability for assembly must be checked when fully assigned with maximum wire cross sections.
Housing material	Metal
Type of locking	SPEEDCON
Pg screw connection	none
	IP67

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Degree of protection (plugged in)	IP68
	IP69K
Thread type	M23

Seal

External cable diameter	7.5 mm ... 18 mm
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Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 115 °C (see derating curve)
Ambient temperature (storage/transport)	15 °C ... 25 °C
Permissible humidity (storage/transport)	50 % ... 65 %

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Classifications

ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

ETIM

ETIM 9.0	EC002635
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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