

1068454

<https://www.phoenixcontact.com/us/products/1068454>

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Contact carrier, Ethernet/PROFINET CAT5 (100 Mbps), 4-position, Socket, straight, M8, coding: D, PCB mounting, SMD reflow

Your advantages

- Reduced mounting costs thanks to two-piece device connector
- Packaging available for automated pick and place assembly
- All common pin assignments and codings available
- Easy device integration thanks to mechanical port screw connections with threaded attachment, press-in contour or direct integration in the front plate
- Additional gasket for the device when not plugged in

Commercial data

Item number	1068454
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	AB22
Product key	ABQHCH
GTIN	4055626801919
Weight per piece (including packing)	5.03 g
Weight per piece (excluding packing)	5 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Notes

Notes on operation	The electrical and mechanical data specified assume that the connector pair is correctly locked and mounted. If the connector is unlocked and if there is a danger of contamination, the connector must be sealed using a protective cap > IP54. Influences arising from litz wires, cables or PCB assembly must also be taken into consideration.
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Product properties

Product type	Contact insert
Application	Data
	Signal
Sensor type	Ethernet/PROFINET
Number of positions	4
Seal present	yes
Shielded	yes
Coding	D
Thread type	M8

Data management status

Article revision	05
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Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	1.5 kV
Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage U_N	50 V AC
	60 V DC
Nominal current I_N	4 A
Transmission characteristics (category)	CAT5 (IEC 11801:2002)

Connection data

Connection method	SMD reflow
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Interfaces

Signal type/category	Ethernet/PROFINET CAT5, 100 Mbps
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Material specifications

Flammability rating according to UL 94	V0
Seal material	FKM

SACC-CIP-M8FSD-4P SMD SH R32 - Contact carrier



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Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA

Connector

Connection 1

Head design	Socket
Head cable outlet	straight
Head thread type	M8
Coding	D

Cable/line

Signal type/category	Ethernet/PROFINET CAT5, 100 Mbps
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Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 100
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Environmental and real-life conditions

Ambient conditions

Degree of protection (when plugged in)	IP67 (correctly plugged in and locked)
Degree of protection	IP67 (correctly plugged in and locked)
	IP67
Ambient temperature (operation)	-25 °C ... 105 °C
	-40 °C ... 105 °C (without mechanical actuation)

Standards and regulations

M8

Standard designation	M8 connector
Standards/specifications	IEC 61076-2-114
Note	In line with

Mounting

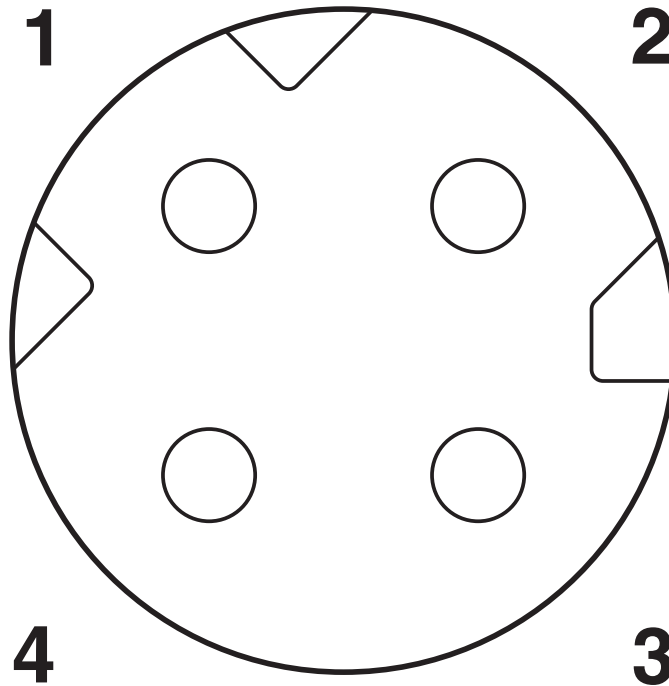
Mounting type	PCB mounting
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Packaging specifications

Type of packaging	Belt
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Drawings

Schematic diagram



Pin assignment M8 socket, 4-pos., view female side

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Approvals

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<div> cULus Recognized Approval ID: E221474-20160506</div>				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	60 V	4 A	-	-

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Classifications

ECLASS

ECLASS-11.0	27440109
ECLASS-12.0	27440109
ECLASS-13.0	27440109

ETIM

ETIM 9.0	EC003569
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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	56e69896-13a6-4a1b-b19a-1b76317b4858

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