SACC-CI-M12FSX-8CON-L90 - Device connector, rear mounting

PHŒNIX CONTACT

1424180

https://www.phoenixcontact.com/us/products/1424180

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Device connector, rear mounting, Ethernet CAT6$_A$ (10 Gbps), 8-position, Flush-type female connector, straight, M12, coding: X - data , Rear mounting, Wave soldering contacts, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1237389

Your advantages

- Reduced mounting costs thanks to two-piece device connector
- 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

Commercial Data

Item number	1424180
Packing unit	1 pc
Minimum order quantity	20 pc
Sales Key	AB23
Product Key	ABQCBD
Catalog Page	Page 91 (C-2-2013)
GTIN	4046356692663
Weight per Piece (including packing)	6.825 g
Weight per Piece (excluding packing)	6.205 g
Customs tariff number	85366990
Country of origin	DE

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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.

Product properties

Product type	Contact insert
Number of positions	8
Application	Railway applications
Coding	X

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	0.8 kV
Contact resistance	< 3 mΩ
Insulation resistance	> 100 MΩ
Nominal voltage U_N	50 V AC (Data)
	60 V DC
Nominal current I_N	0.5 A (Data)

Interfaces

Signal type/category	Ethernet CAT6$_A$, 10 Gbps

Material specifications

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Gold
Contact carrier material	PA6T/66

Connector

Connection 1

Head design	Flush-type female connector
Head cable outlet	straight
Head thread type	M12
Coding	X - data

Cable/line

Signal type/category	Ethernet CAT6$_A$, 10 Gbps
Signal type/category	Ethernet CAT6$_A$, 10 Gbps

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67 (When plugged in)
	IP67, when plugged in
Ambient temperature (operation)	-40 °C ... 105 °C (Plug / socket)
	-40 °C ... 105 °C (without mechanical actuation)
	-25 °C ... 105 °C (Cable, flexible installation)
	-40 °C ... 105 °C (cable, fixed installation)

Standards and regulations

Standards/specifications	IEC 61076-2-109
Standards/specifications	EN 50155

Mounting

Mounting type	Rear mounting

Processing notes

Process	Wave soldering

Packaging specifications

Type of packaging	Tray

Drawings

Schematic diagram
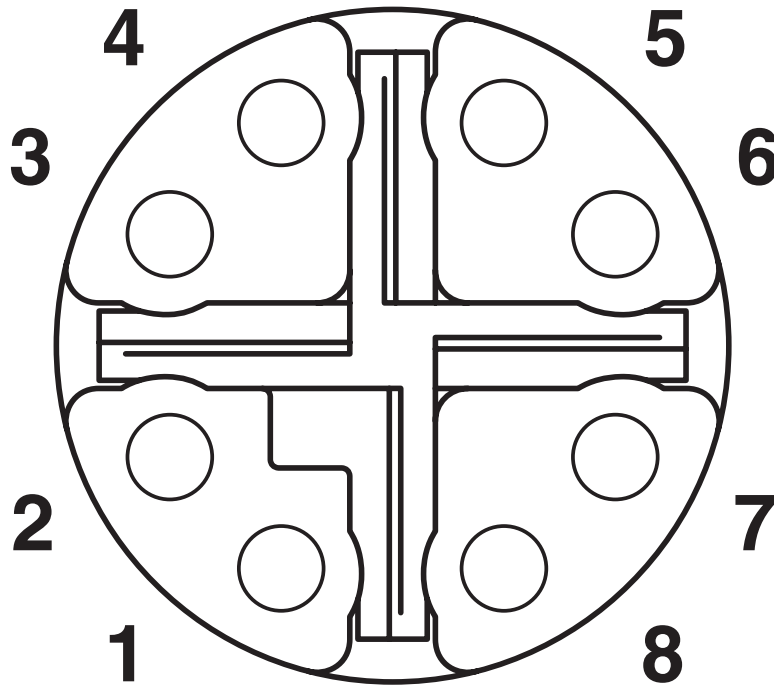
Pin assignment M12 connector, 8-pos., view socket side

Dimensional drawing
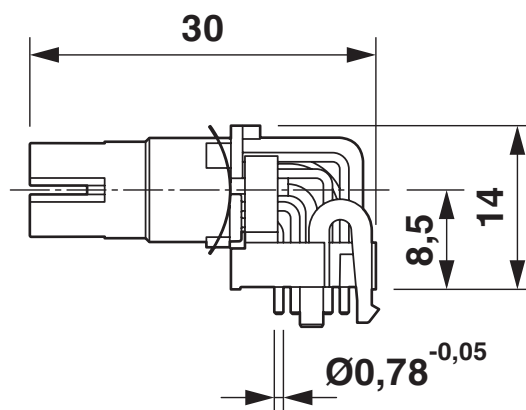
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Dimensional drawing

Approvals

cUL Recognized
Approval ID: E335024-20120308

UL Recognized
Approval ID: E335024-20120308

EAC
Approval ID: B.01687

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Classifications

ECLASS

ECLASS-9.0	27440102
ECLASS-10.0.1	27440102
ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

ETIM

ETIM 8.0	EC002635

UNSPSC

UNSPSC 21.0	39121400

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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Accessories

PROT-M12 - Screw plug

1680539

https://www.phoenixcontact.com/us/products/1680539

An M12 screw plug for the unoccupied M12 sockets of the sensor/actuator cable, boxes and flush-type connectors

PROT-M12 SH - Screw plug

1503302

https://www.phoenixcontact.com/us/products/1503302

An M12 screw plug for the unoccupied M12 sockets of the shielded sensor/actuator cable, boxes and flush-type connectors

PROT-M12 FB - Screw plug

1555538

https://www.phoenixcontact.com/us/products/1555538

M12 high-grade steel screw plug, for unoccupied M12 sockets of the sensor/actuator cables, boxes and flush-type connectors for the food industry

SACC-M12-SCO NUT - Housing screw connection

1552243

https://www.phoenixcontact.com/us/products/1552243

Housing screw connection, Socket, M12-SPEEDCON, Front mounting, M12 x 1, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1237399

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SACC-DSIV-M12-NUT - Device connector front mounting

1416144

https://www.phoenixcontact.com/us/products/1416144

Device connector front mounting, Plug, M12, Front mounting, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1239107

SACC-M12-SCO NUT L 90 - Housing screw connection

1432460

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Housing screw connection, M12 x 1, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1237409

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SACC-BP-F-M12/M15-6-THR - Housing screw connection

1414004

https://www.phoenixcontact.com/us/products/1414004

Housing screw connection, Socket, M12, Rear mounting, M15 x 1, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1239056

SACC-BP-F-M12/M15-7-THR - Housing screw connection

1414003

https://www.phoenixcontact.com/us/products/1414003

Housing screw connection, Socket, M12, Rear mounting, M15 x 1, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1239055

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SACC-BP-F-M12/M15-6-THR SCO - Housing screw connection

1414020

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Housing screw connection, Socket, M12-SPEEDCON, Rear mounting, M15 x 1, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1239057

SACC-BP-F-M12/M15-7-THR SCO - Housing screw connection

1414005

https://www.phoenixcontact.com/us/products/1414005

Housing screw connection, Socket, M12-SPEEDCON, Rear mounting, M15 x 1, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1237398

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SACC-M12 NUT PRESS - Housing screw connection

1437889

https://www.phoenixcontact.com/us/products/1437889

Housing screw connection, Socket, M12, Front mounting, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1237410

SACC-BP-F-M12-THR PP - Housing screw connection

1027662

https://www.phoenixcontact.com/us/products/1027662

Housing screw connection, Socket, M12-Push-Pull, Rear mounting, M16, THR- und Wellenlötkontakte, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb <0.1%)

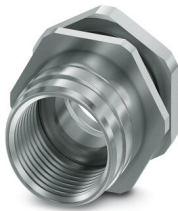# SACC-CI-M12FSX-8CON-L90 - Device connector, rear mounting

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SACC-FP-F-M12-THR PP - Housing screw connection

1027678

https://www.phoenixcontact.com/us/products/1027678

Housing screw connection, Socket, M12-Push-Pull, Front mounting, M14 x 1, THR- und Wellenlötkontakte, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb <0.1%)

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