SAC-M12T/2XM12 PBDP - T distributor

1458884

https://www.phoenixcontact.com/us/products/1458884

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T distributor, PROFIBUS DP (12 Mbps), 4-position, shielded, Plug straight M12, coding: B, on Plug straight M12, coding: B and Socket straight M12, coding: B

Commercial data

Item number	1458884
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF10
Product key	AF1GAA
GTIN	4046356660075
Weight per piece (including packing)	38.7 g
Weight per piece (excluding packing)	36.9 g
Customs tariff number	85366990
Country of origin	PL

Technical data

Product properties

Product type	T-distributor
Number of positions	4
No. of cable outlets	2
Coding	B
Thread type	M12

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Electrical properties

Insulation resistance	≥ 1 GΩ
Nominal voltage U_N	30 V AC
	36 V DC
Nominal current I_N	1 A (Contact 2 and 4)
	4 A (Contact 1 and 3)
Test voltage	1 kV
Transmission speed	12 Mbps

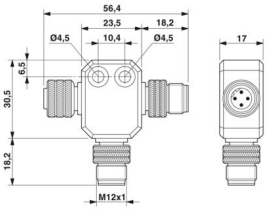
Interfaces

Signal type/category	PROFIBUS DP, 12 Mbps

Signaling

Status display	no
Status display present	no

Dimensions

Dimensional drawing	
Length	56.4 mm

Material specifications

Flammability rating according to UL 94	V0
Material grommet GRP	Viton
Material of grip body	PUR
Contact material	CuSn

Contact surface material	Ni/Au
Contact carrier material	PUR
Material for screw connection	Brass, nickel-plated

Connector

Connection 1

Type	Plug straight M12
Coding type	B

Connection 2

Type	Plug straight M12
Coding type	B

Connection 3

Type	Socket straight M12
Coding type	B

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100

Environmental and real-life conditions

Ambient conditions

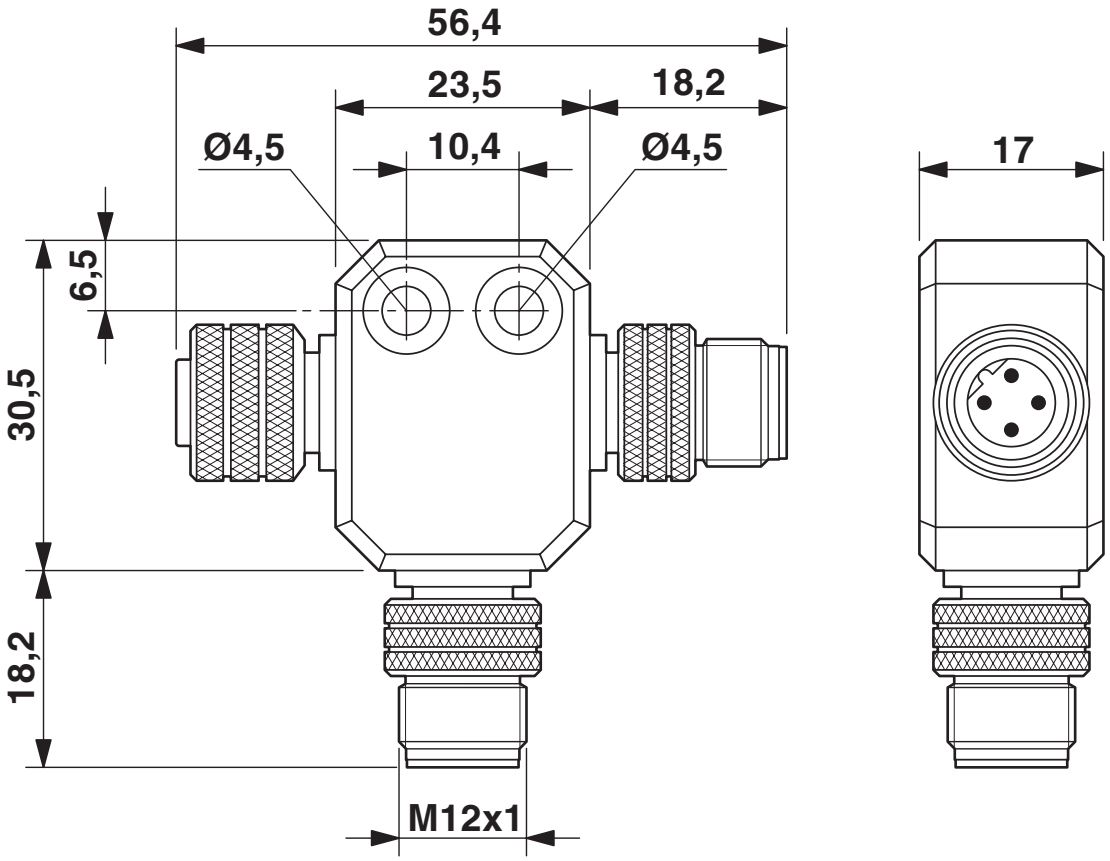
Degree of protection	IP65 IP67
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 80 °C (Plug / socket)

Standards and regulations

Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101

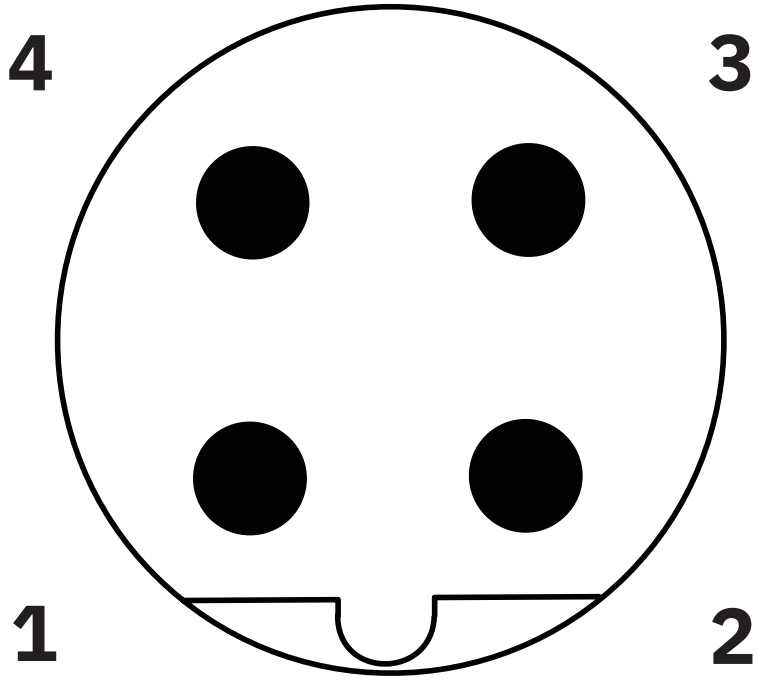
Drawings

Dimensional drawing



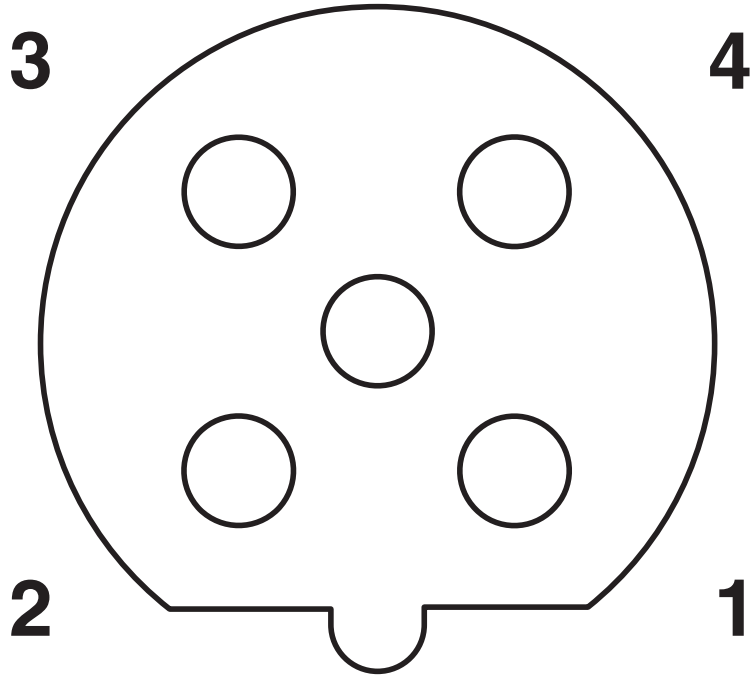
M12 T distributor

Schematic diagram



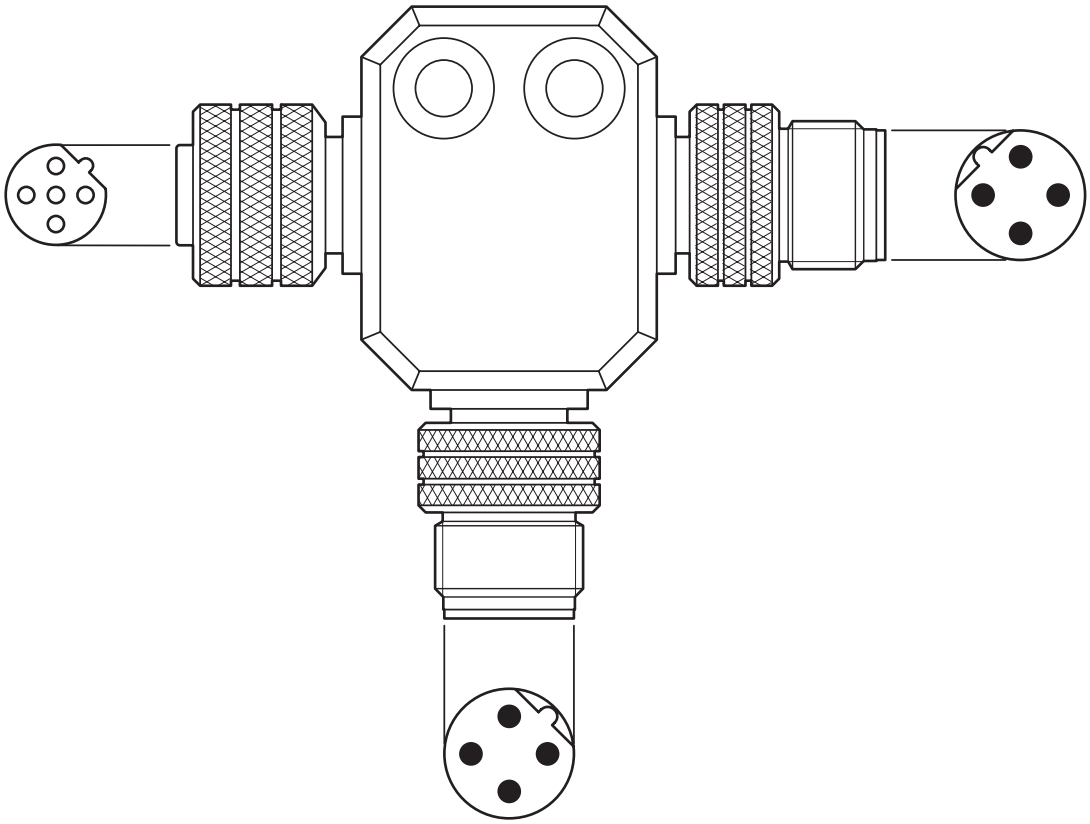
Pin assignment of M12 male connector, 4-pos., B-coded, view of pin side

Schematic diagram



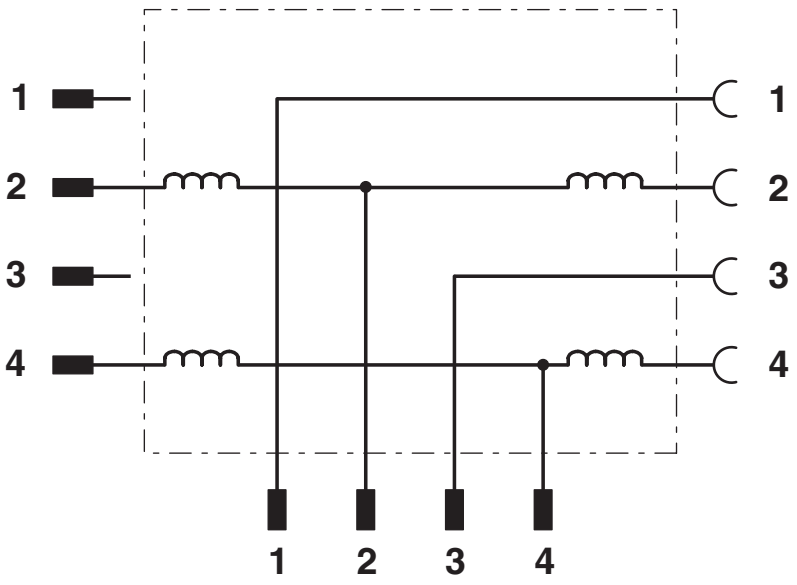
Pin assignment M12 socket, 4-pos., B-coded, view socket side

Schematic diagram



Layout of connector pin assignments

Circuit diagram



Contact assignment of the M12 plug and the M12 socket

Classifications

ECLASS

ECLASS-13.0	27440106
ECLASS-15.0	27440106

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)

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