

SAC-M12T/2XM12 PBDP - T distributor



1458884

<https://www.phoenixcontact.com/au/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
Minimum order quantity	1 pc
Sales key	BF1GAA
Product key	BF1GAA
Catalog page	Page 219 (C-6-2017)
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	DE

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Technical data

Product properties

Product type	T-distributor
Sensor type	PROFIBUS DP
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

Contact resistance	≤ 5 mΩ
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

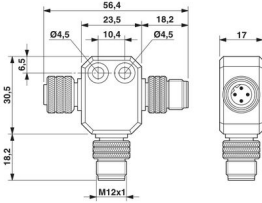
Interfaces

Signal type/category	PROFIBUS DP, 12 Mbps
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Signaling

Status display	No
Status display present	No

Dimensions

Dimensional drawing	
Length	56.4 mm

Material specifications

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

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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

Cable/line

Signal type/category	PROFIBUS DP, 12 Mbps
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Mechanical properties

Mechanical data

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

Ambient conditions

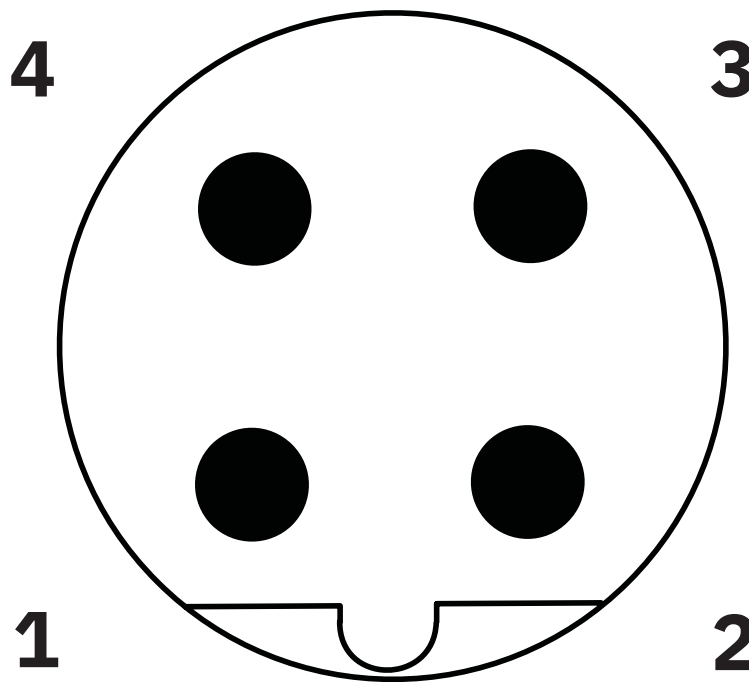
Degree of protection	IP65
	IP67
Ambient temperature (operation)	-25 °C ... 80 °C (Plug / socket)

Standards and regulations

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

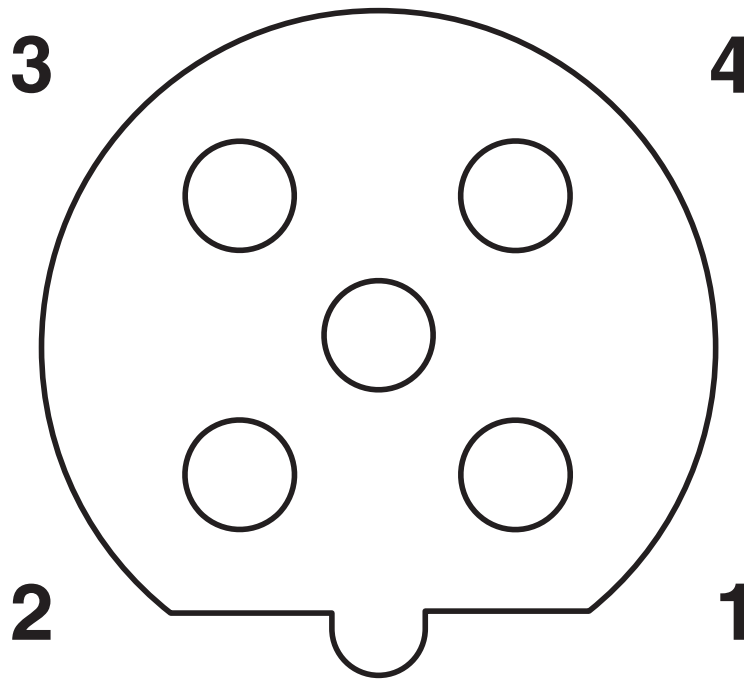
Drawings

Schematic diagram



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

Schematic diagram



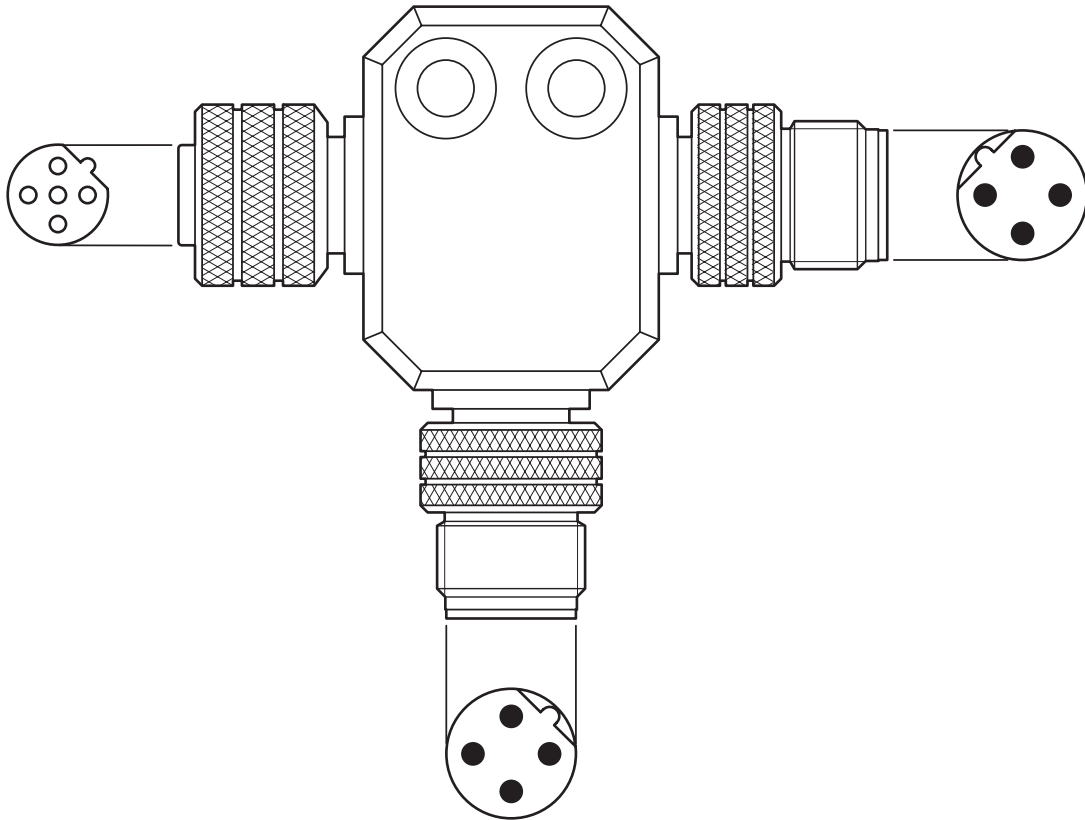
Pin assignment M12 socket, 4-pos., B-coded, view socket side

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Schematic diagram

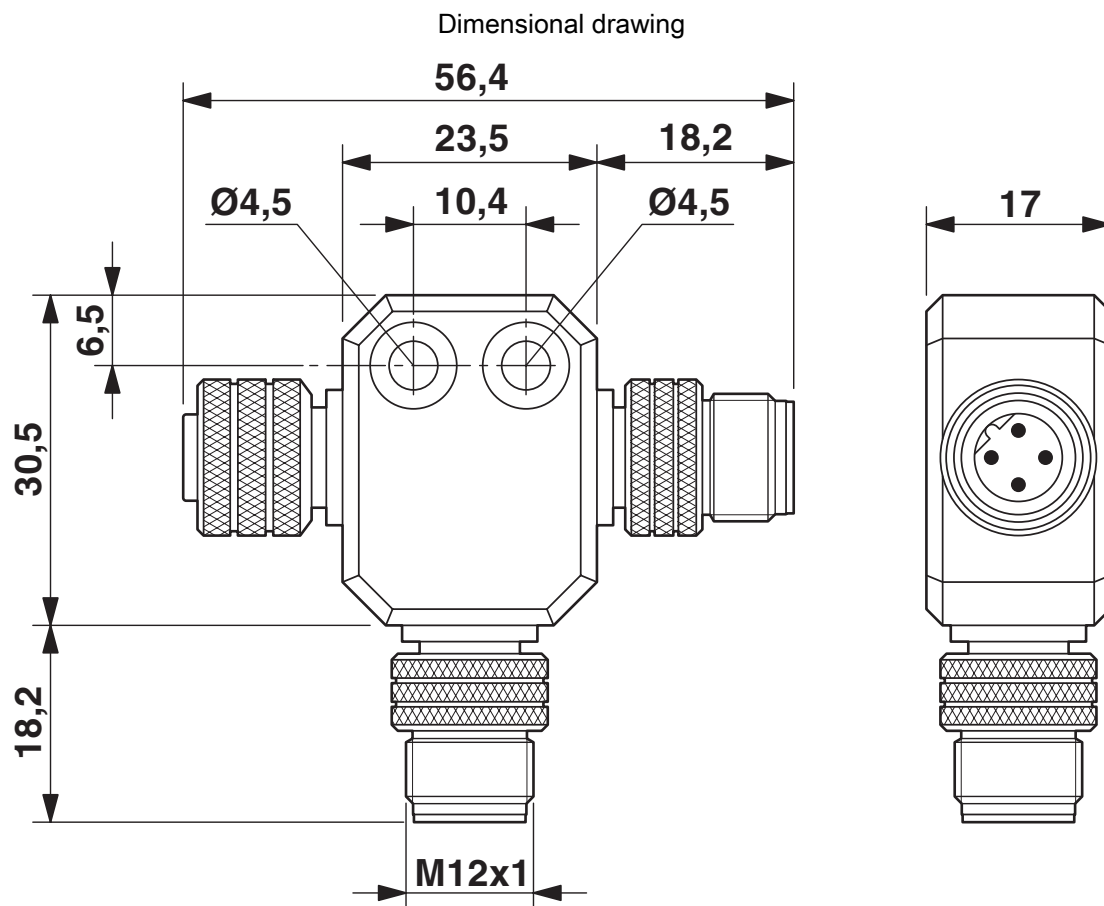


Layout of connector pin assignments

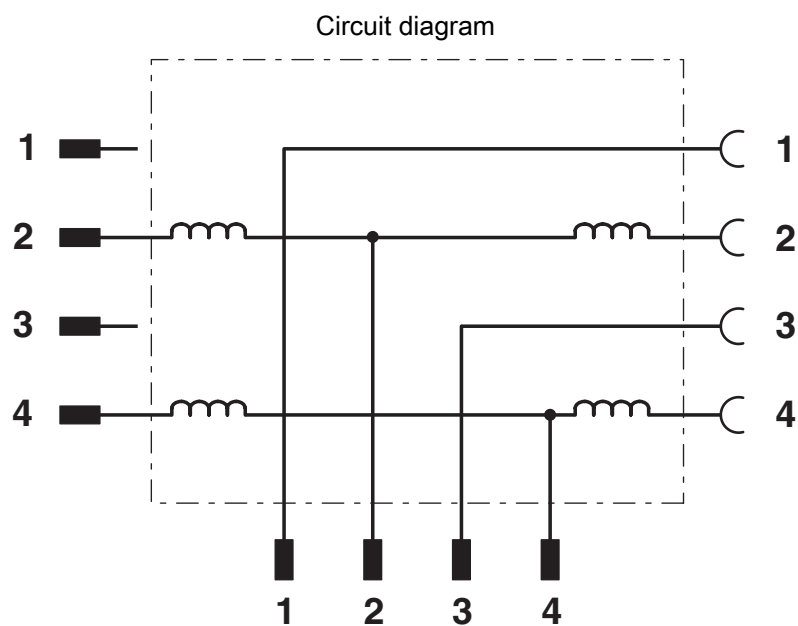
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M12 T distributor



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Classifications

ECLASS

ECLASS-11.0	27440106
ECLASS-13.0	27440106

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Environmental product compliance

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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