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T distributor - SAC-M12T/2XM12 PBDP - 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

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356660075

Technical data

Ambient conditions

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

General

Rated current at 40°C	1 A (Contact 2 and 4)
	4 A (Contact 1 and 3)
Rated voltage	30 V AC
	36 V DC
Number of positions	4
Insulation resistance	≥ 1 GΩ
Coding	B-coded
Standards/regulations	M12 connector IEC 61076-2-101
Signal type/category	PROFIBUS DP, 12 Mbps
Status display	No
Overvoltage category	II
Degree of pollution	3
Test voltage	1 kV

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Technical data

General

Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 connector)
	0.6 Nm ... 0.8 Nm (Mounting screw)

Material

Flammability rating according to UL 94	V0
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PUR
Material of grip body	PUR
Material, knurls	Nickel-plated brass
Sealing material	Viton

Standards and Regulations

Standards/specifications	M12 connector IEC 61076-2-101
Flammability rating according to UL 94	V0

Environmental Product Compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

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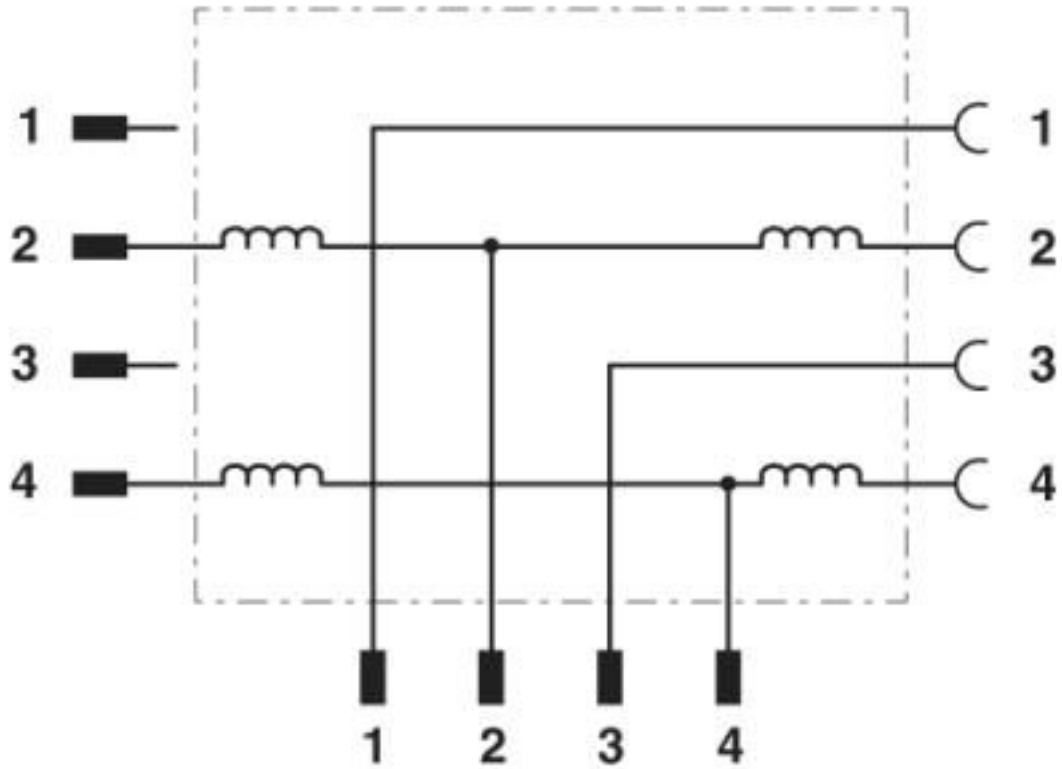# T distributor - SAC-M12T/2XM12 PBDP - 1458884

Dimensional drawing
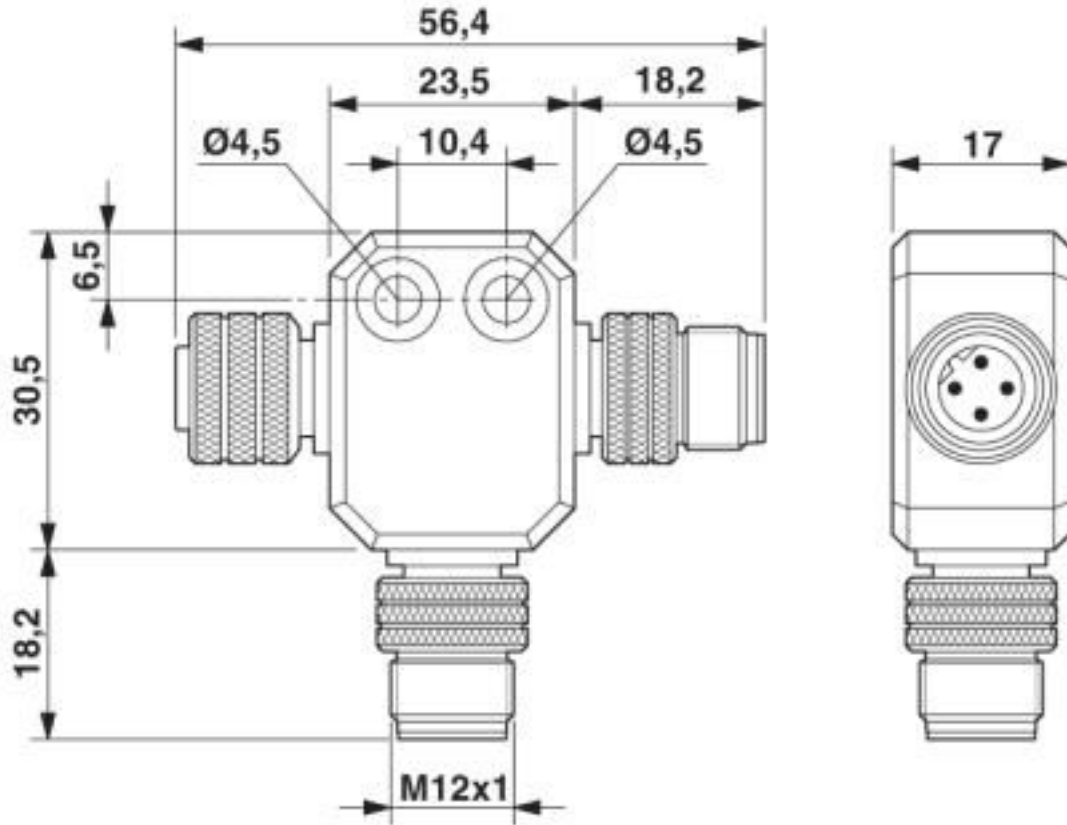
M12 T distributor

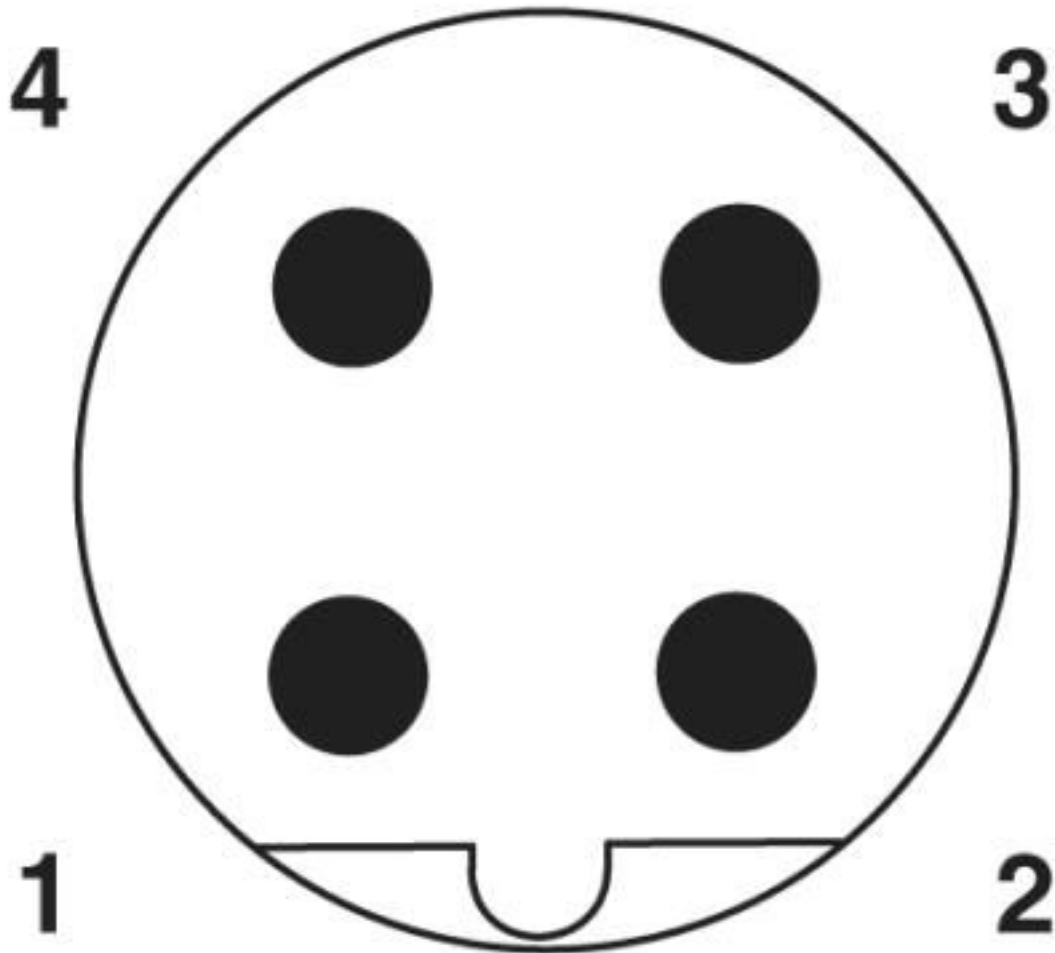# T distributor - SAC-M12T/2XM12 PBDP - 1458884

Circuit diagram

Contact assignment of the M12 plug and the M12 socket
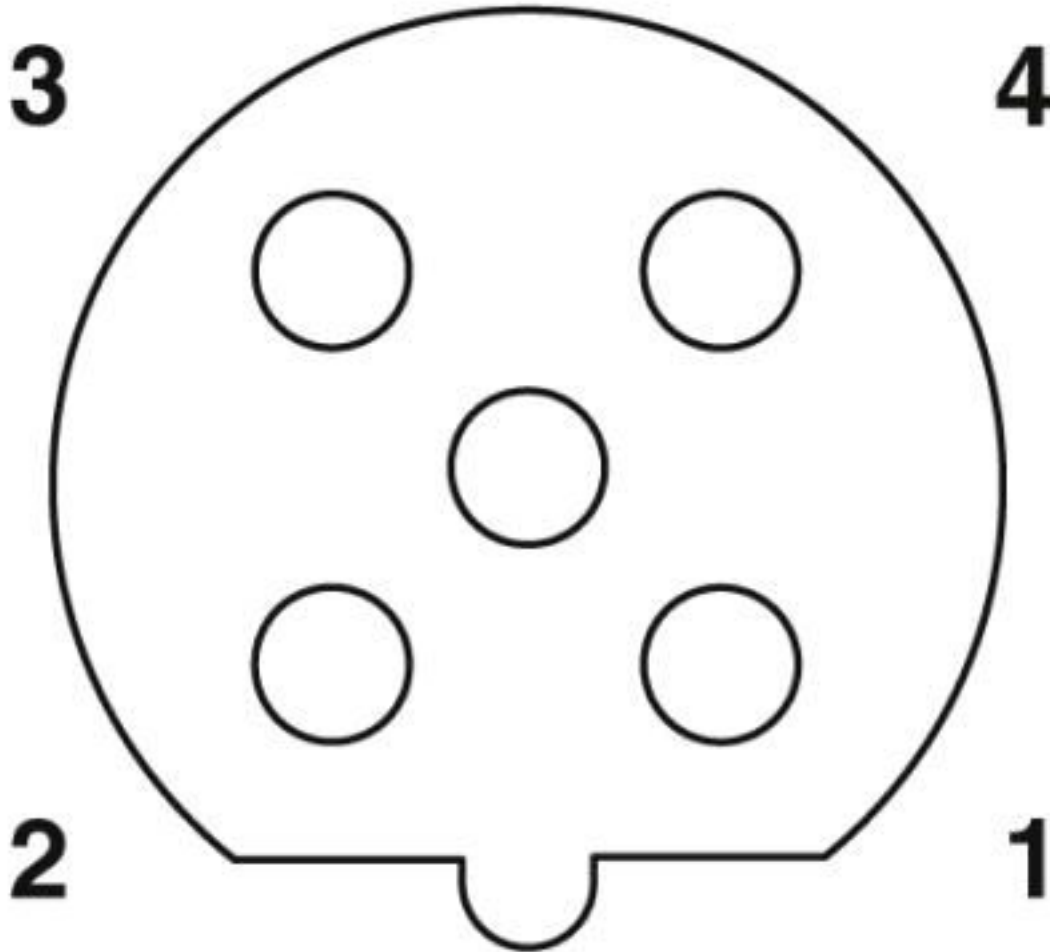
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Schematic diagram

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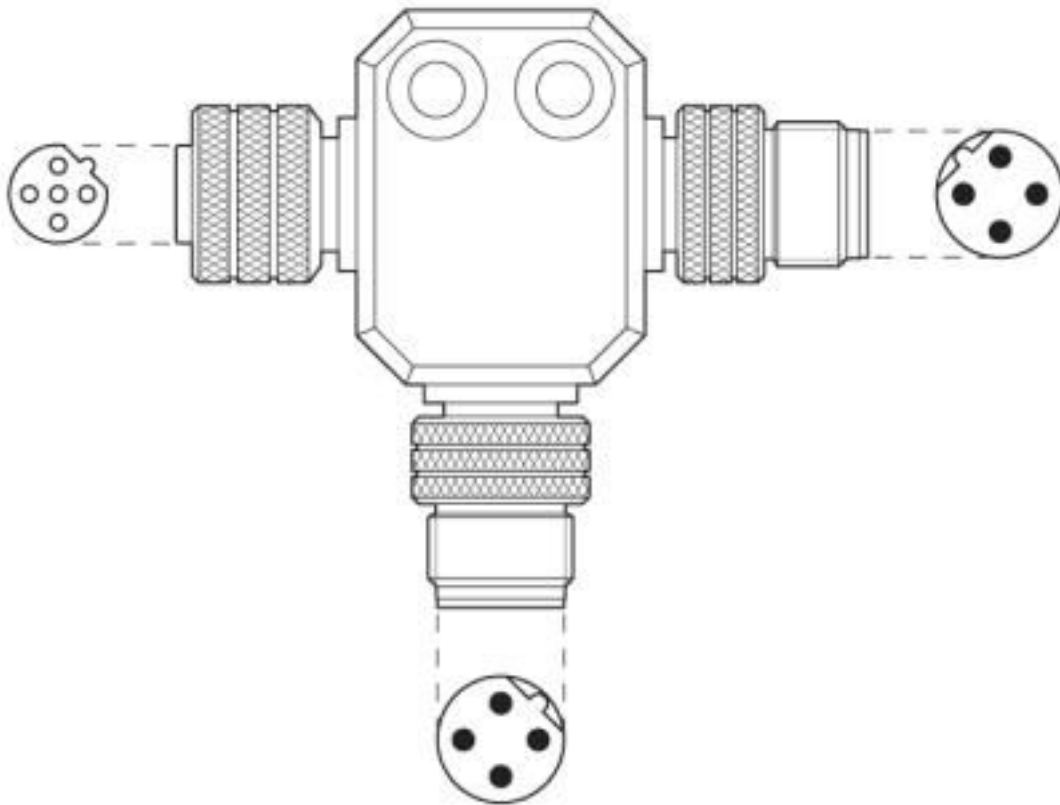
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Schematic diagram

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

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Schematic diagram

Layout of connector pin assignments

Classifications

eCl@ss

eCl@ss 4.0	27260700
eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
eCl@ss 5.1	27260700
eCl@ss 6.0	27279200
eCl@ss 7.0	27279218
eCl@ss 8.0	27440102
eCl@ss 9.0	27440106

ETIM

ETIM 3.0	EC001855
ETIM 4.0	EC002061
ETIM 5.0	EC002635
ETIM 6.0	EC002925
ETIM 7.0	EC002925

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Classifications

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	39121413
UNSPSC 19.0	39121413

Approvals

Approvals

Approvals

EAC / EAC

Ex Approvals

Approval details

EAC	EAC	RU C-DE.AI30.B.01102

EAC	EAC	EAC-Zulassung

Accessories

Accessories

Plug for cable screw gland

Screw plug - PROT-M12 - 1680539

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

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

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Accessories

Screw plug - PROT-M12 MS-PA-CHAIN - 1430899

M12 sealing cap with fixing band, for sensor cables, for free M12 sockets

Protective cap

Sealing cap - PROT-M12 FS - 1560251

M12 sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field

Sealing cap - PROT-M12 FS-PA-CHAIN - 1430873

M12 sealing cap made of plastic with fixing band, for sensor cables, for free M12 plugs

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