PHŒNIX CONTACT

T distributor - SAC-5PT-FB/MB-MBF PBDP SH - 1424713

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T distributor, PROFIBUS DP (12 Mbps), 5-position, shielded, Socket straight M12, coding: B, on Plug straight M12, coding: B and Plug straight M12, coding: B, Thread M12 plug input not rotatable

Your advantages

☑ Safe use in the field, thanks to a high degree of protection

☑ Reliable signal transmission - 360° shielding in environments with electromagnetic interference

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4055626376769

Technical data

Ambient conditions

Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
Degree of protection	IP65

General

Rated current at 40°C	1 A (Contact 2 and 4)
	4 A (Contact 1 and 3)
Rated voltage	48 V AC
	60 V DC
Number of positions	5
Color handle area	black
Coding	B-coded
Standards/regulations	M12 connector IEC 61076-2-101
Signal type/category	PROFIBUS DP, 12 Mbps
Status display	No
Overvoltage category	II

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Technical data

General

Degree of pollution	3
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 connector)

Material

Flammability rating according to UL 94	V0
Contact material	CuZn (pin) / CuSn (socket)
Contact surface material	Ni/Au
Contact carrier material	PBT
Material of grip body	PBT
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

Characteristics head 2

Color	black

Standards and Regulations

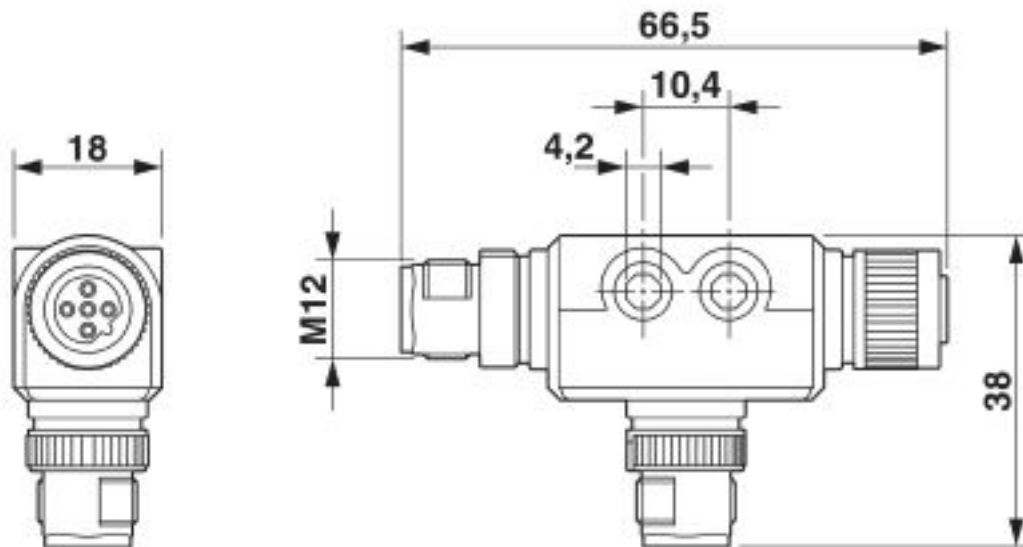| Standards/specifications	M12 connector IEC 61076-2-101
Flammability rating according to UL 94	V0

Environmental Product Compliance

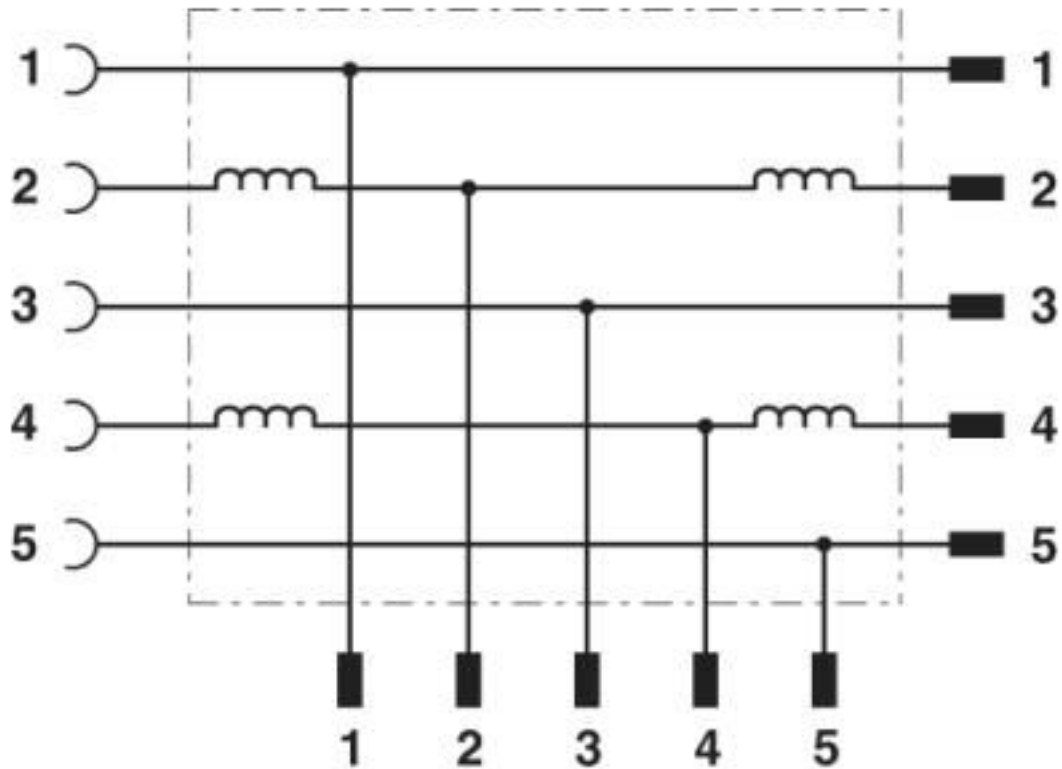| China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

T distributor - SAC-5PT-FB/MB-MBF PBDP SH - 1424713
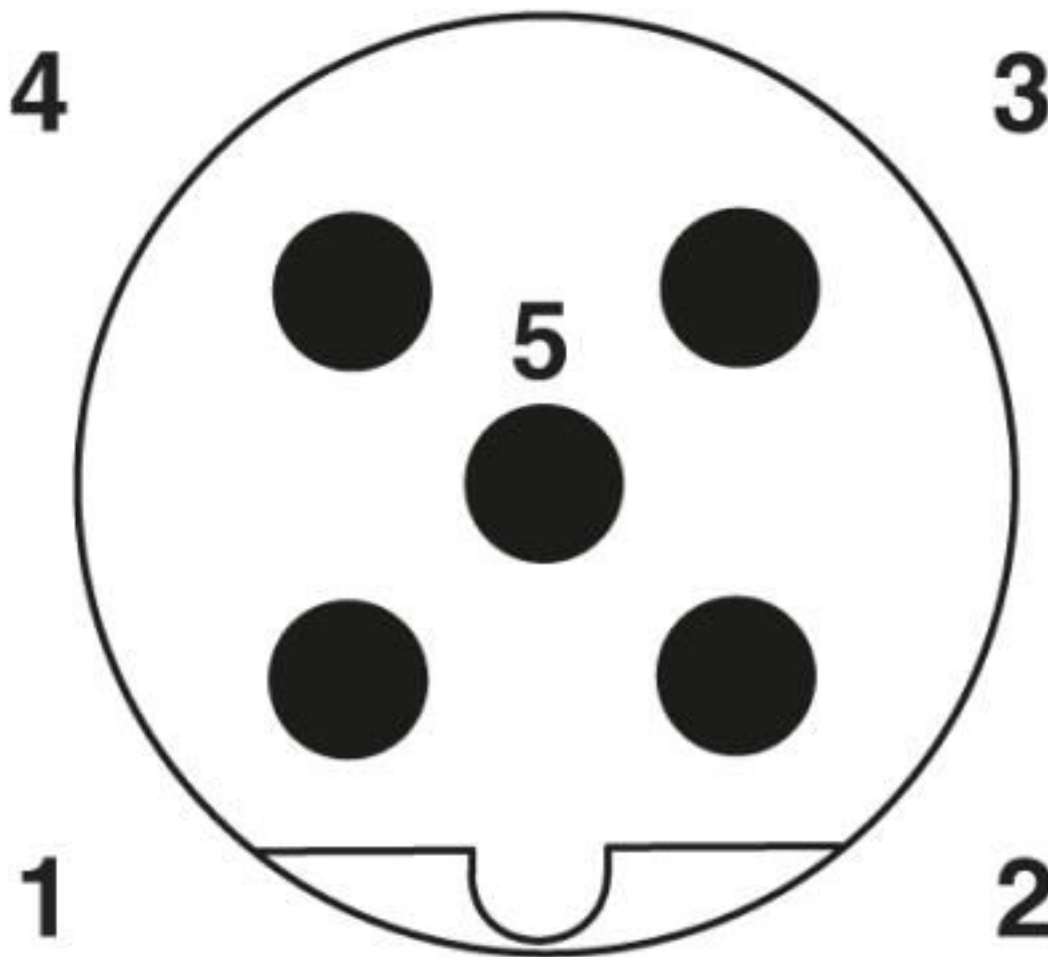
Dimensional drawing

M12 T distributor

Circuit diagram

Contact assignment of the M12 plug and the M12 socket

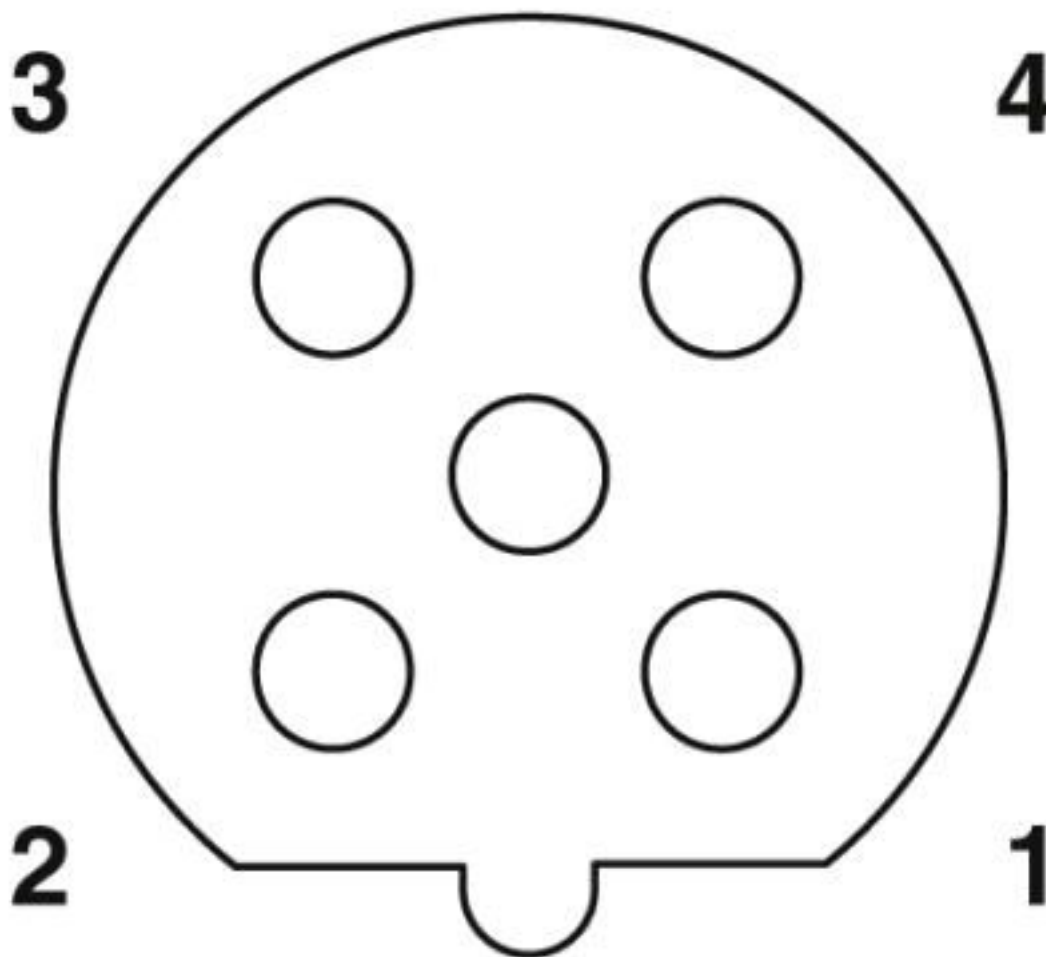# T distributor - SAC-5PT-FB/MB-MBF PBDP SH - 1424713

Schematic diagram

Pin assignment M12 male connector, 5-pos., B-coded, male side

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Schematic diagram

Pin assignment M12 socket, 5-pos., B-coded, female side

Classifications

eCl@ss

eCl@ss 10.0.1	27440106
eCl@ss 4.0	27279000
eCl@ss 4.1	27279000
eCl@ss 5.0	27279200
eCl@ss 5.1	27279200
eCl@ss 6.0	27279200
eCl@ss 7.0	27279201
eCl@ss 9.0	27440106

ETIM

ETIM 5.0	EC002641

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Classifications

ETIM

ETIM 6.0	EC002925
ETIM 7.0	EC002925

Approvals

Approvals

Approvals

EAC / EAC

Ex Approvals

Approval details

EAC		EAC-Zulassung

EAC		RU C-DE.BL08.B.00511

Accessories

Accessories

Plug for cable screw gland

Screw plug - PROT-M12 SH - 1503302

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

Screw plug - PROT-M12 - 1680539

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

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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

Screwdriver tools

Tool - SAC BIT M12-D15 - 1208432

Nut for assembling sensor/actuator cables with M12 connector and M12 connectors for assembly, with a knurl diameter of 15 mm, for 4 mm hexagonal drive

Torque tool

Torque screwdriver - TSD 04 SAC - 1208429

Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
http://www.phoenixcontact.com

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