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

1424713

https://www.phoenixcontact.com/us/products/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, Fixed M12 thread on plug input

Your advantages

- Safe use in the field, thanks to a high degree of protection
- Reliable signal transmission – 360° shielding in environments with electromagnetic interference

Commercial data

Item number	1424713
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF10
Product key	BF1GAA
Catalog page	Page 436 (C-2-2019)
GTIN	4055626376769
Weight per piece (including packing)	50.3 g
Weight per piece (excluding packing)	50.3 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Product properties

Product type	T-distributor
Sensor type	PROFIBUS DP
Number of positions	5
No. of cable outlets	2
Shielded	yes
Coding	B
Thread type	M12

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Electrical properties

Nominal voltage U_N	48 V AC
	60 V DC
Nominal current I_N	1 A (Contact 2 and 4)
	4 A (Contact 1 and 3)
Transmission medium	Copper

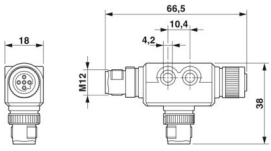
Interfaces

Signal type/category	PROFIBUS DP, 12 Mbps

Signaling

Status display	No
Status display present	No

Dimensions

Dimensional drawing	
Height	18 mm
Length	66.5 mm

Material specifications

Material	PBT
	PA
Flammability rating according to UL 94	V0
Seal material	NBR
Material of grip body	PBT

Contact material	CuZn (pin) / CuSn (socket)
Contact surface material	Ni/Au
Material for screw connection	Zinc die-cast, nickel-plated

Connector

Connection 1

Type	Socket straight M12
Coding type	B

Connection 2

Type	Plug straight M12
Coding type	B

Connection 3

Type	Plug straight M12
Coding type	B

Cable/line

Signal type/category	PROFIBUS DP, 12 Mbps

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100

Environmental and real-life conditions

Ambient conditions

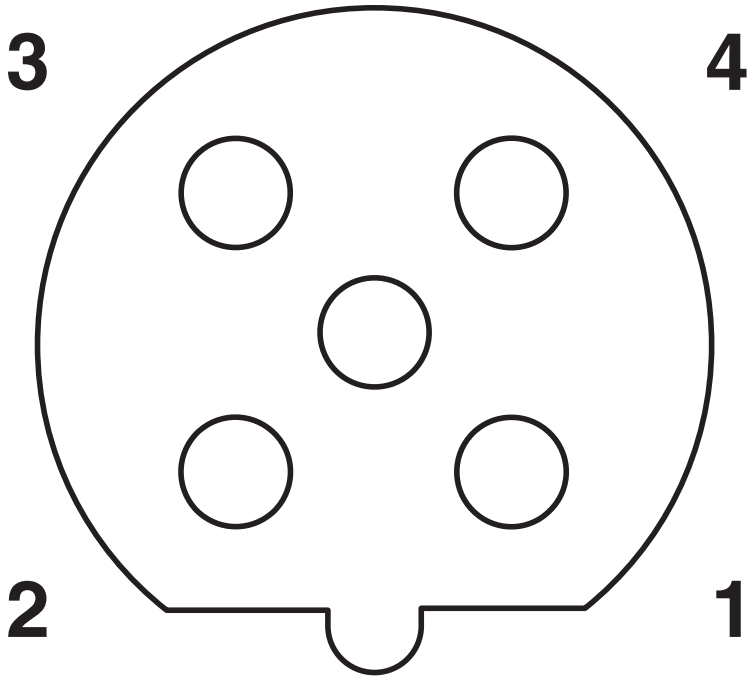
Degree of protection	IP65
Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)

Standards and regulations

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

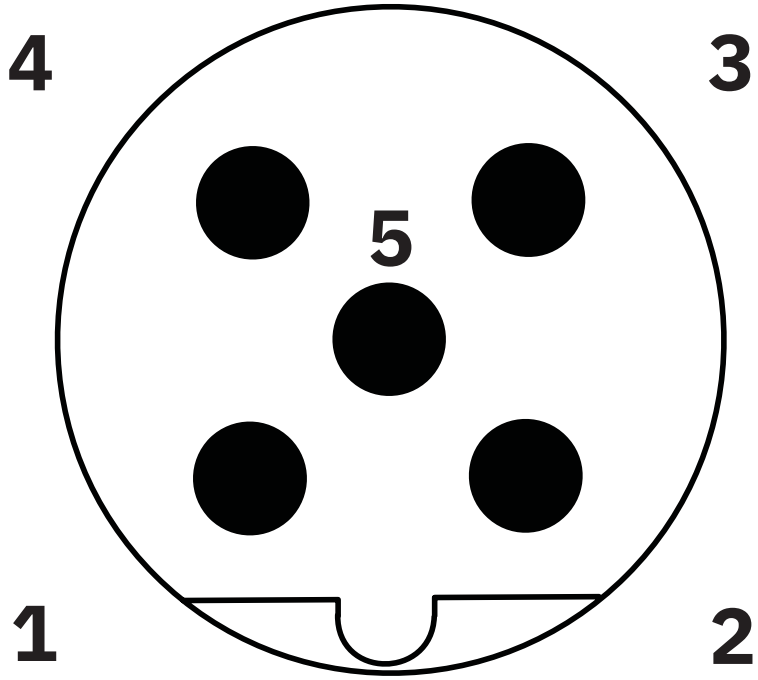
Drawings

Schematic diagram



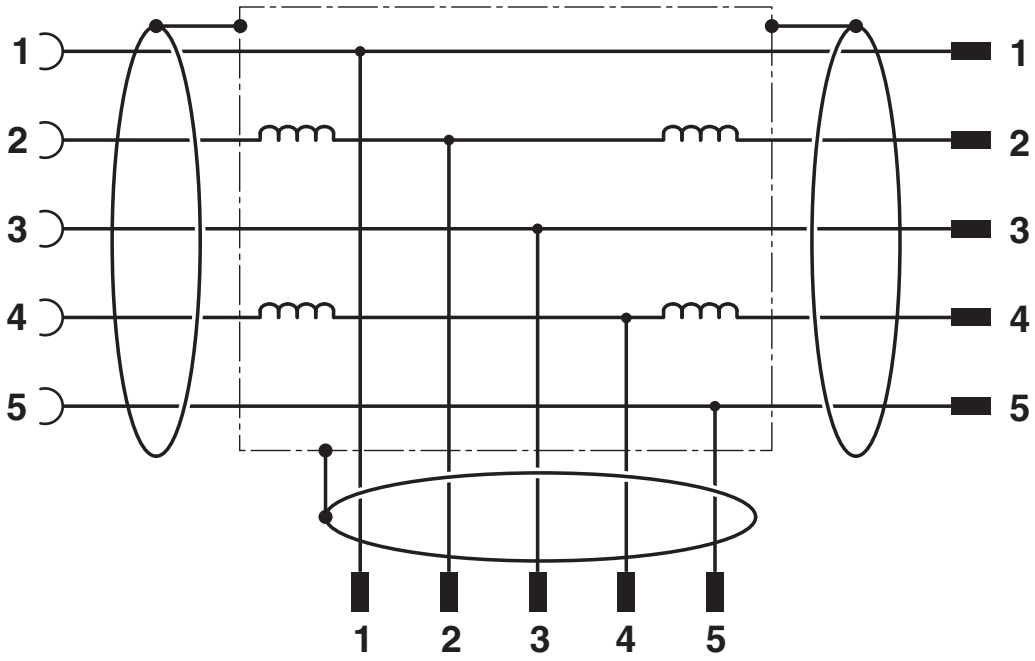
Pin assignment M12 socket, 5-pos., B-coded, female side

Schematic diagram

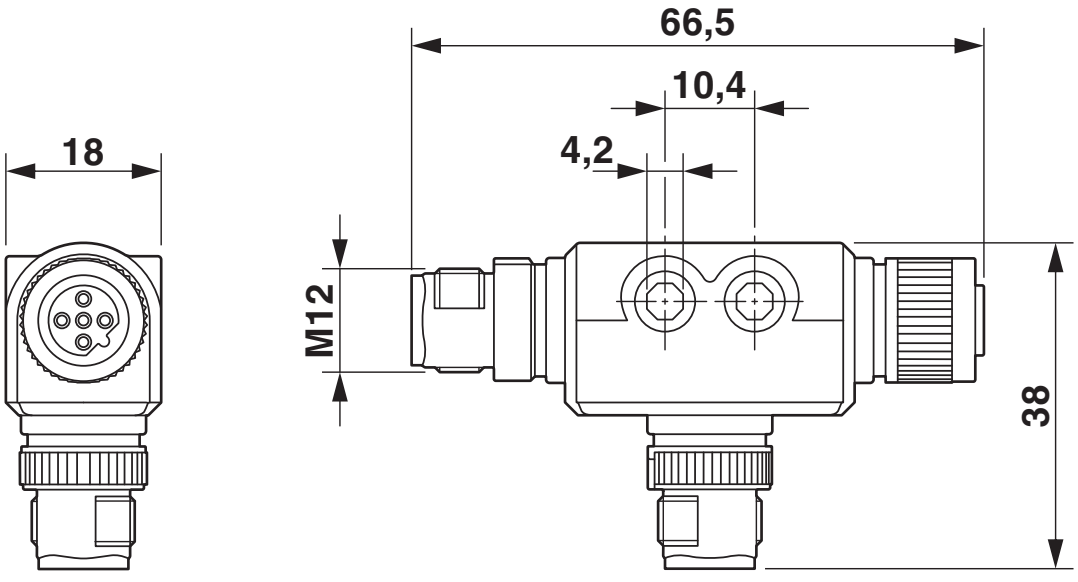


Pin assignment M12 male connector, 5-pos., B-coded, male side

Circuit diagram



Dimensional drawing



M12 T distributor

Classifications

ECLASS

ECLASS-11.0	27440106
ECLASS-12.0	27440106
ECLASS-13.0	27440106

ETIM

ETIM 9.0	EC002925

UNSPSC

UNSPSC 21.0	31251500

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

Accessories

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 - 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 FS - Sealing cap

1560251

https://www.phoenixcontact.com/us/products/1560251



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

PROT-M12 MS-PA-CHAIN - Screw plug

1430899

https://www.phoenixcontact.com/us/products/1430899

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



PROT-M12 FS-PA-CHAIN - Sealing cap

1430873

https://www.phoenixcontact.com/us/products/1430873

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



TSD 04 SAC - Torque screwdriver

1208429

https://www.phoenixcontact.com/us/products/1208429

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



SAC BIT M12-D15 - Tool

1208432

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

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