

# SAC-M12T/2XM12 PB DP F - Bus system T-connector



1543553

<https://www.phoenixcontact.com/us/products/1543553>

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Bus system T-connector, PROFIBUS DP, 5-position, Plug straight M12, coding: B, on Plug straight M12, coding: B and Socket straight M12, coding: B

## Commercial data

Item number	1543553
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF10
Product key	AF1GAA
GTIN	4046356098298
Weight per piece (including packing)	66.6 g
Weight per piece (excluding packing)	64.52 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Product properties

Product type	T-distributor
Number of positions	5
No. of cable outlets	2

### Electrical properties

Nominal voltage $U_N$	30 V
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### Interfaces

Signal type/category	PROFIBUS DP
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### Material specifications

Material of grip body	PUR
Contact material	CuZn
Contact surface material	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
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### Mechanical properties

#### Mechanical data

Insertion/withdrawal cycles	$\geq 100$
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### Environmental and real-life conditions

#### Ambient conditions

Degree of protection	IP67
Ambient temperature (operation) (male connector/female)	-40 °C ... 80 °C (Plug / socket)

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connector)

250 °C (Short-term)

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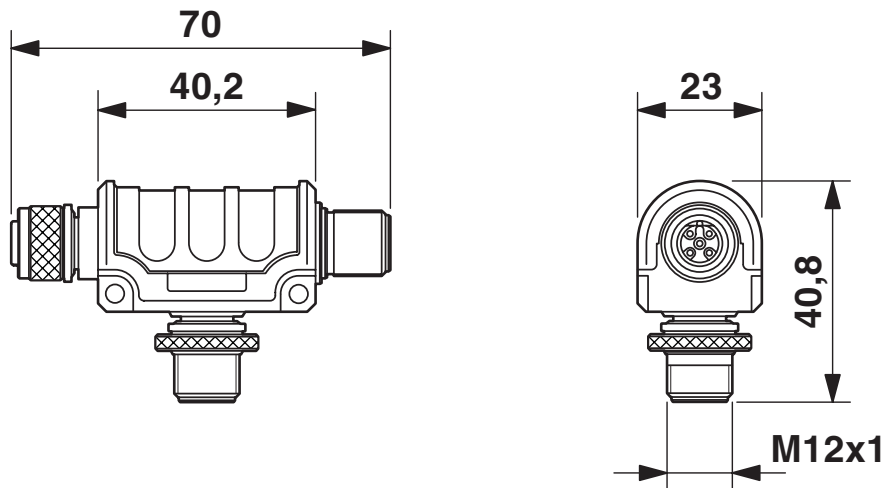


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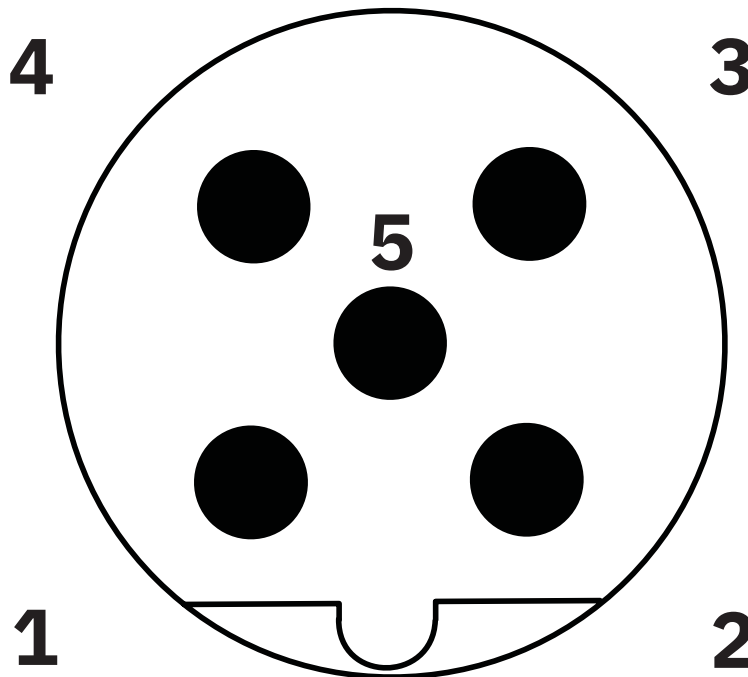
## Drawings

Dimensional drawing



M12 T distributor

Schematic diagram

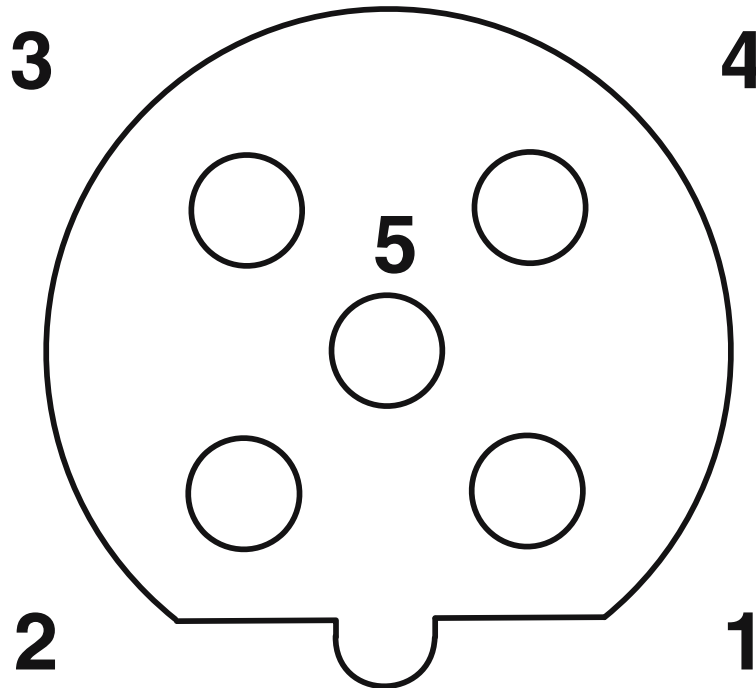


Pin assignment M12 male connector, 5-pos., B-coded, male side

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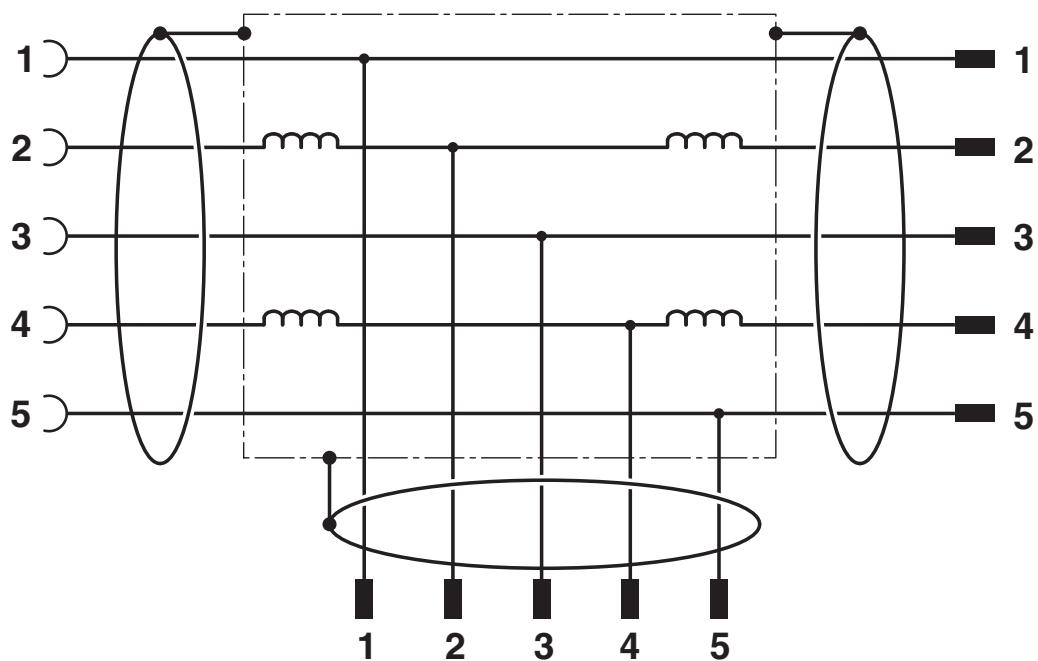
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Schematic diagram



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

Circuit diagram



Contact assignment of the M12 plug and the M12 socket

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## Classifications

### ECLASS

ECLASS-13.0	27440106
ECLASS-15.0	27440106

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## Environmental product compliance

EU REACH SVHC

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