

# SAC-5PT-F/F-M VP SH - T distributor

1256941

<https://www.phoenixcontact.com/us/products/1256941>



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T distributor, CANopen®, DeviceNet™, 5-position, shielded, Socket straight M12, coding: A, on  
Socket straight M12, coding: A and Plug straight M12, coding: A, Parallel distributor



## 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	1256941
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF10
Product key	AF1GAA
GTIN	4063151363512
Weight per piece (including packing)	49.1 g
Weight per piece (excluding packing)	49.1 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Product properties

Product type	T-distributor
Sensor type	CANopen®
Number of positions	5
No. of cable outlets	2
Shielded	yes
Coding	A
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 $I_N$	4 A
Transmission medium	Copper

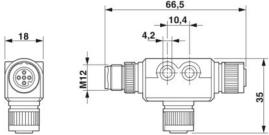
### Interfaces

Signal type/category	CANopen® DeviceNet™
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### Signaling

Status display	no
Status display present	no

### Dimensions

Dimensional drawing	
Height	18 mm
Length	66.5 mm

### Material specifications

Material	PBT (Female connector contact carrier) (Pin contact carrier)
Flammability rating according to UL 94	V0
Seal material	NBR
Material of grip body	PBT

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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	A

### Connection 2

Type	Socket straight M12
Coding type	A

### Connection 3

Type	Plug straight M12
Coding type	A

## Cable/line

Signal type/category	CANopen®
	DeviceNet™

## Mechanical properties

### Mechanical data

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

### Ambient conditions

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

## Standards and regulations

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

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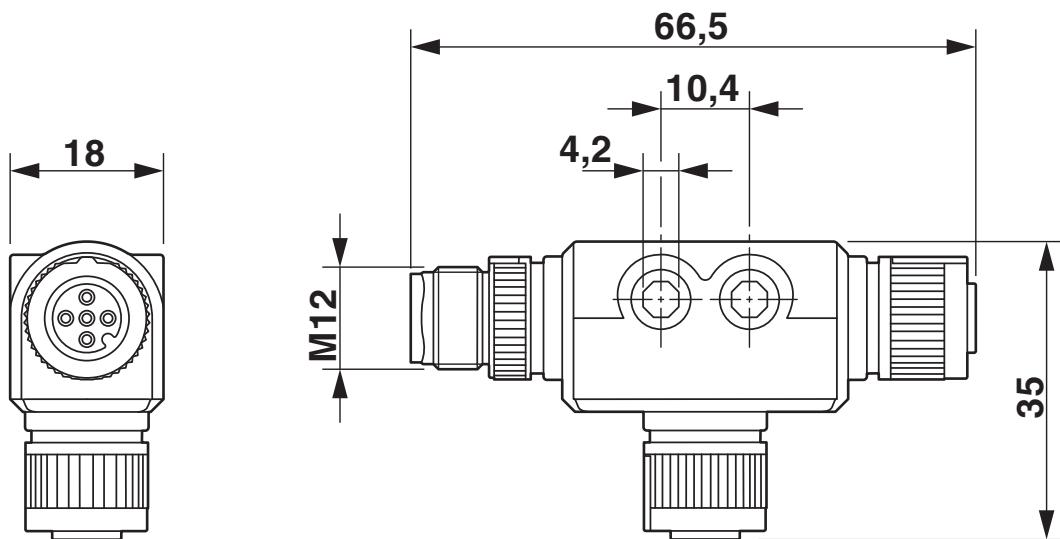
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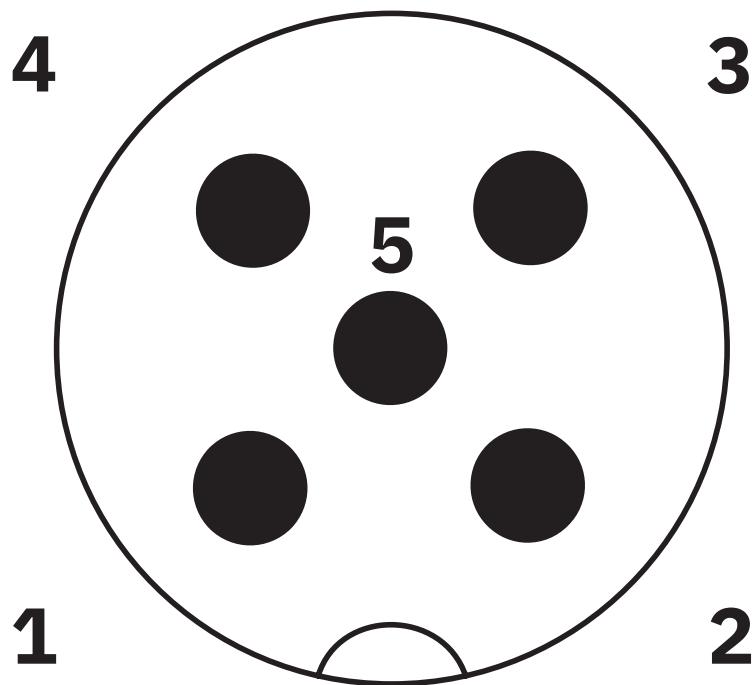
## Drawings

Dimensional drawing



M12 T distributor

Schematic diagram



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

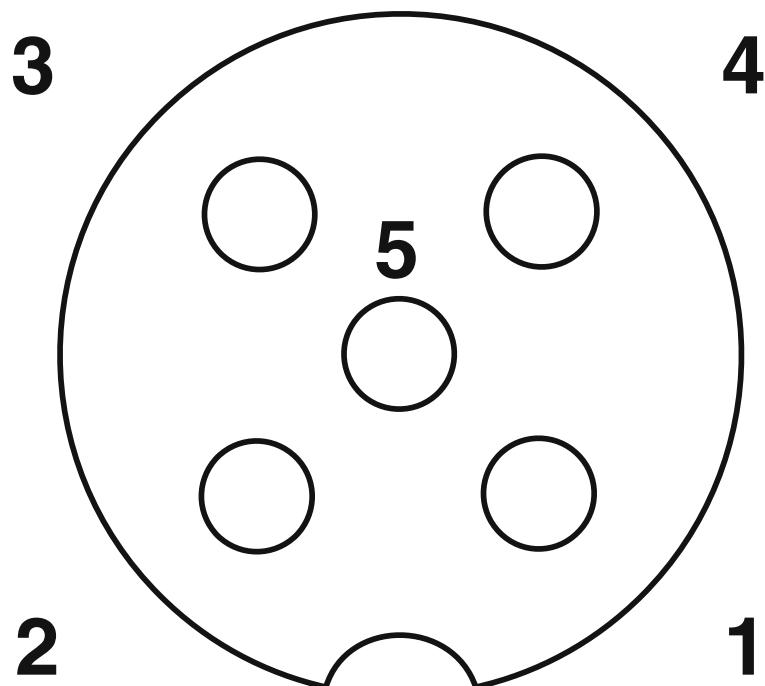
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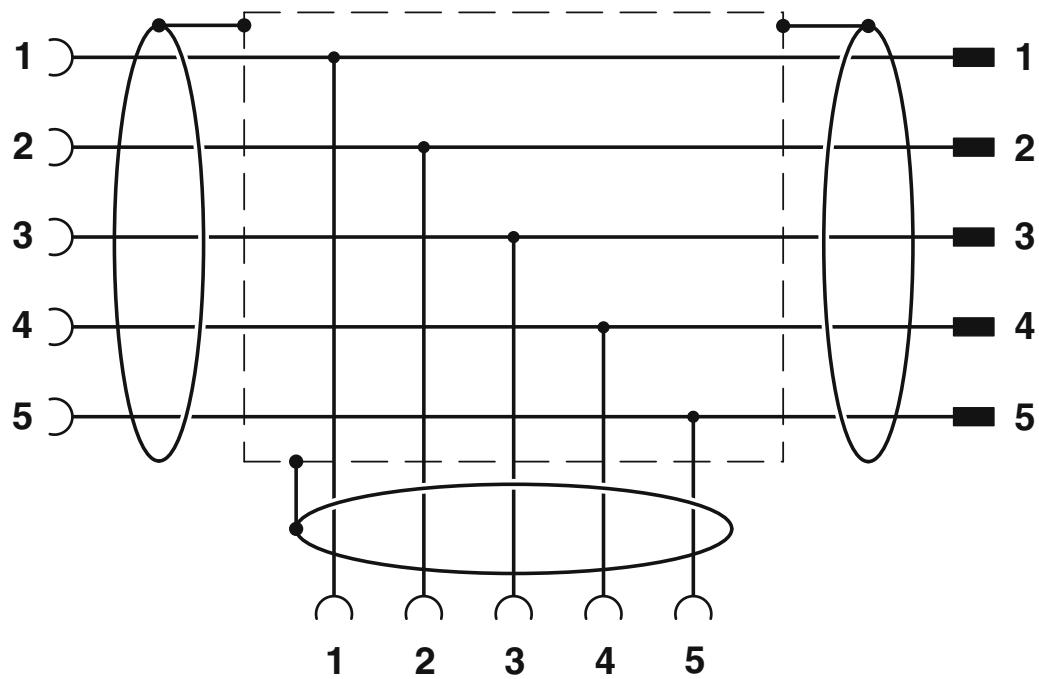


Schematic diagram



Pin assignment M12 socket, 5-pos., A-coded, socket side view

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

### ETIM

ETIM 9.0	EC002925
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### UNSPSC

UNSPSC 21.0	31251500
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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%
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