

# SAC-4PY-MT/2XFT VP - Y distributor



1410632

<https://www.phoenixcontact.com/us/products/1410632>

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Y distributor, 4-position, Plug straight M12, coding: T, on Socket straight M12, coding: T and Socket straight M12, coding: T, For direct current up to 12 A/63 V



## Your advantages

- High-performance: DC connectors for up to 12 A and 63 V DC

## Commercial data

Item number	1410632
Packing unit	1 pc
Minimum order quantity	5 pc
Sales key	BF10
Product key	BF1GAP
Catalog page	Page 184 (C-6-2019)
GTIN	4046356924726
Weight per piece (including packing)	38.36 g
Weight per piece (excluding packing)	38.36 g
Customs tariff number	85366990
Country of origin	PL

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## Technical data

### Product properties

Product type	Y-distributor
Number of positions	4
Application	Power supply
No. of cable outlets	2
Shielded	no
Coding	T
Thread type	M12

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

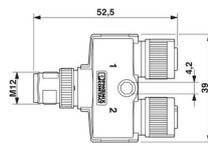
### Electrical properties

Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage $U_N$	63 V DC
Nominal current $I_N$	2x 12 A (at 40 °C)

### Signaling

Status display	No
Status display present	No

### Dimensions

Dimensional drawing	
Length	52.5 mm
Center distance	21 mm

### Material specifications

Flammability rating according to UL 94	HB
Seal material	NBR
Material of grip body	TPU, hardly inflammable, self-extinguishing
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PA
Material for screw connection	Zinc die-cast, nickel-plated

### Connector

Connection 1

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Type	Plug straight M12
Coding type	T

## Connection 2

Type	Socket straight M12
Coding type	T

## Mechanical properties

### Mechanical data

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

### Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)

## Standards and regulations

Standard designation	M12 connector
Standards/specifications	IEC 61076-2-111

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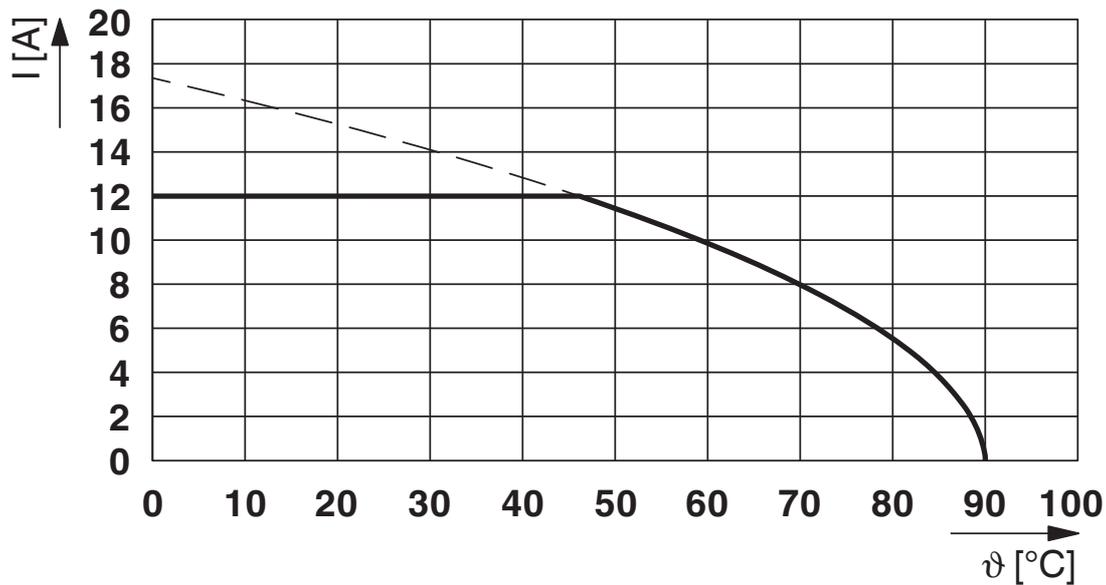


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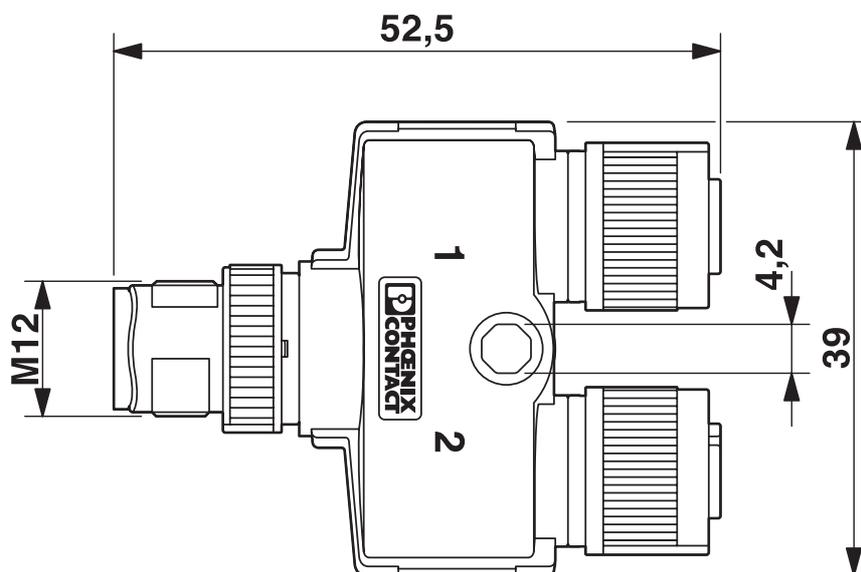
## Drawings

Diagram



Current carrying capacity

Dimensional drawing



M12 Y distributor

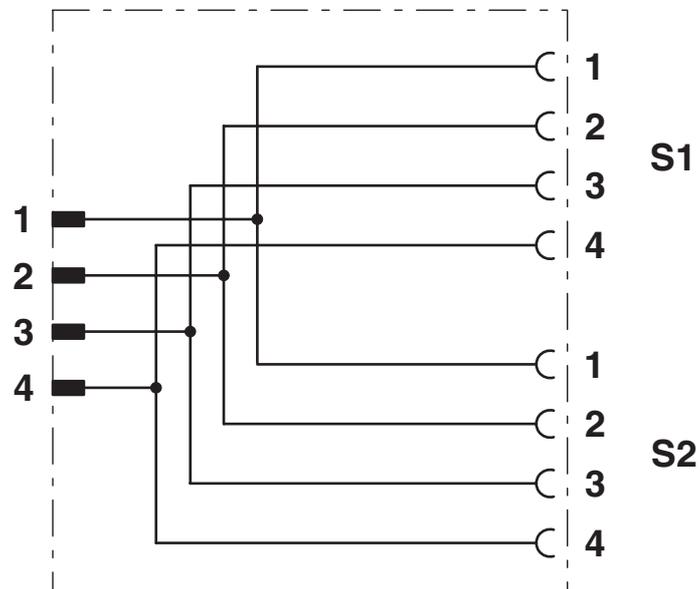
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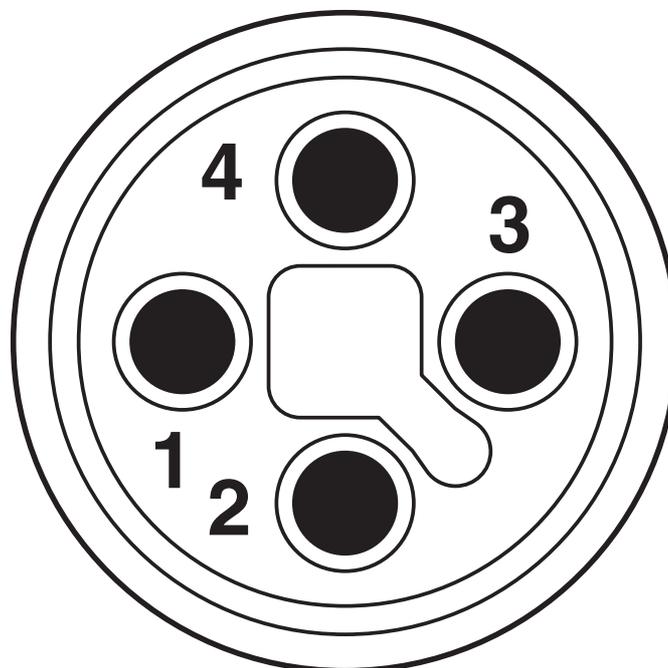
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Circuit diagram



Schematic diagram



Pin assignment for M12 plug, 4-pos., T-coded, view of plug side

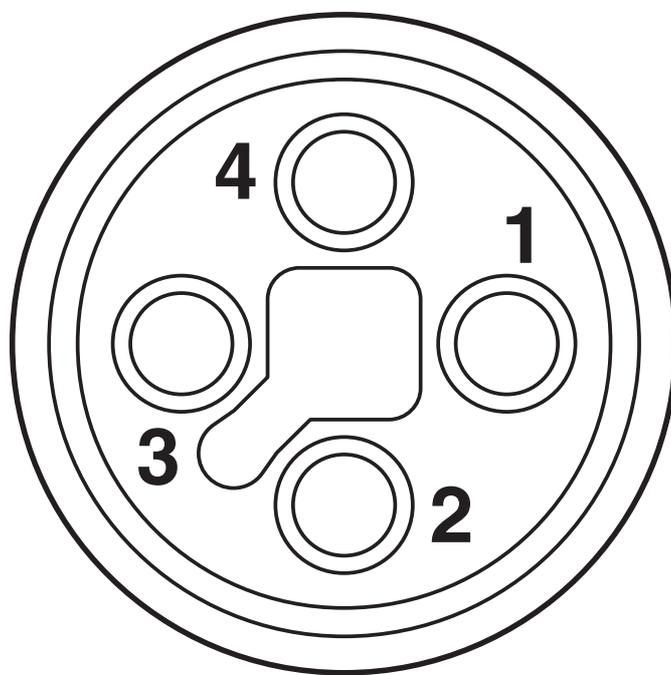
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Schematic diagram



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

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## Classifications

### ECLASS

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

### ETIM

ETIM 8.0	EC002925
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### UNSPSC

UNSPSC 21.0	31251500
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## Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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## Accessories

### 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

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### 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

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## 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



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## 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



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## 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

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## 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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