SAC-5PY-F/2XM VP SH - Y distributor

1419946

https://www.phoenixcontact.com/us/products/1419946

PHŒNIX CONTACT

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Y distributor, 5-position, Socket straight M12 SPEEDCON, coding: A, on Plug straight M12 SPEEDCON, coding: A and Plug straight M12 SPEEDCON, coding: A, Parallel distributor

Your advantages

• Reliable signal transmission – 360° shielding in environments with electromagnetic interference

• Save time, thanks to installation with SPEEDCON fast locking system

Commercial data

Item number	1419946
Packing unit	5 pc
Minimum order quantity	5 pc
Sales key	BF10
Product key	BF1GAC
Catalog page	Page 253 (C-2-2019)
GTIN	4046356528467
Weight per piece (including packing)	45.668 g
Weight per piece (excluding packing)	45.668 g
Customs tariff number	85366990
Country of origin	PL

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Technical data

Product properties

Product type		Y-distributor
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
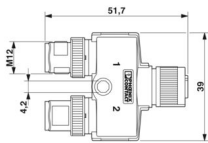
Electrical properties

Insulation resistance		$\geq 100\ M\Omega$
Nominal voltage U_N		48 V AC
		60 V DC
Nominal current I_N		4 A

Signaling

Status display		No
Status display present		No

Dimensions

Dimensional drawing	
Width	39 mm
Height	16 mm
Length	51.7 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	TPU GF
Material for screw connection	Zinc die-cast, nickel-plated

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Connector

Connection 1

Type	Socket straight M12 SPEEDCON
Locking type	SPEEDCON
Coding type	A

Connection 2

Type	Plug straight M12 SPEEDCON
Locking type	SPEEDCON
Coding type	A

Connection 3

Type	Plug straight M12 SPEEDCON
Locking type	SPEEDCON
Coding type	A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation)	-25 °C ... 90 °C (Plug / socket)

Standards and regulations

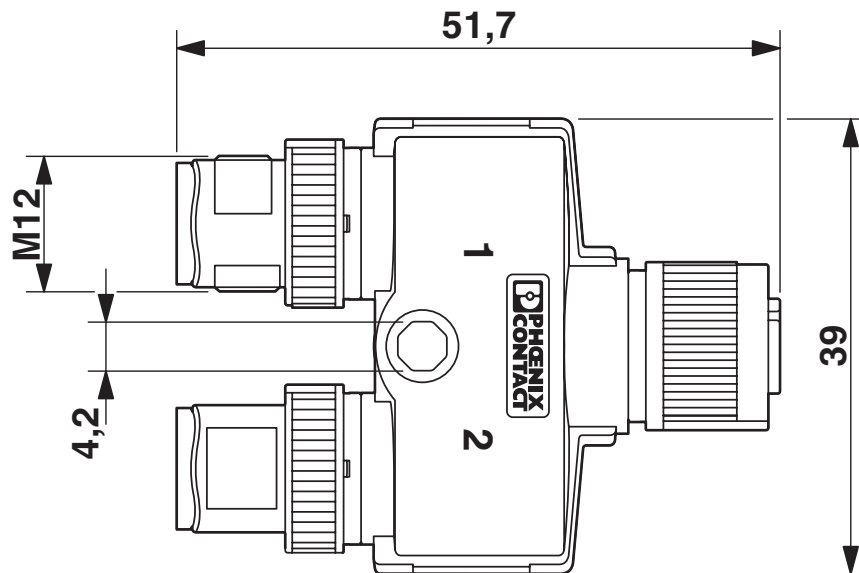|	
Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101

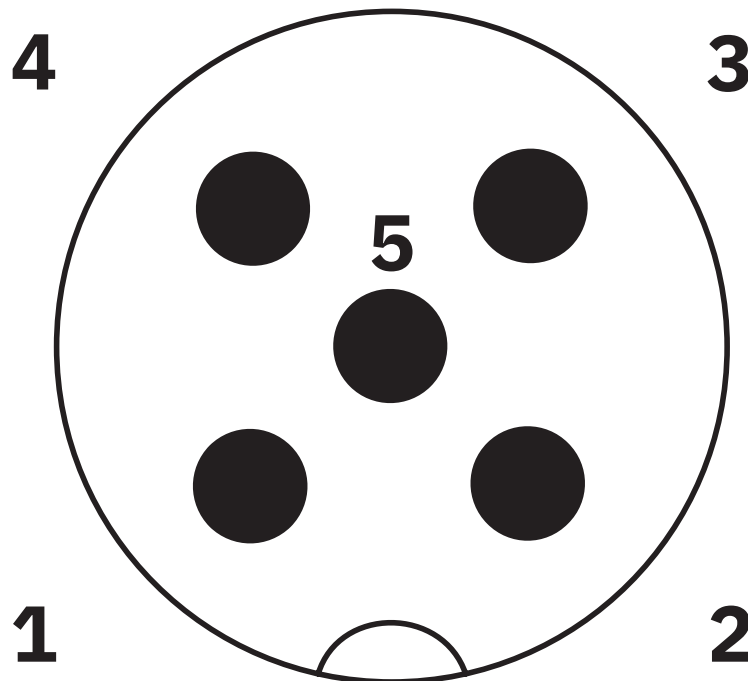# SAC-5PY-F/2XM VP SH - Y distributor

Drawings

Dimensional drawing

M12 Y distributor

Schematic diagram

Pin assignment M12 male connector, 5-pos.
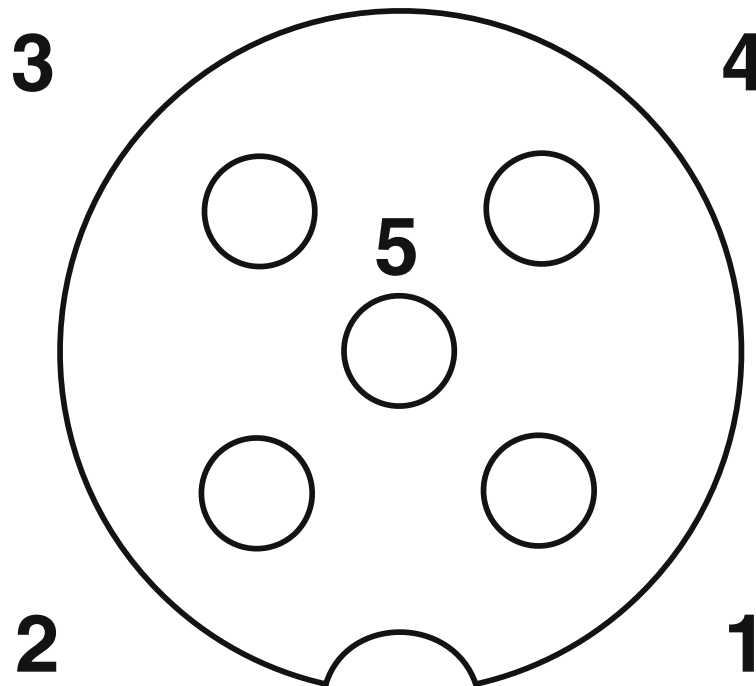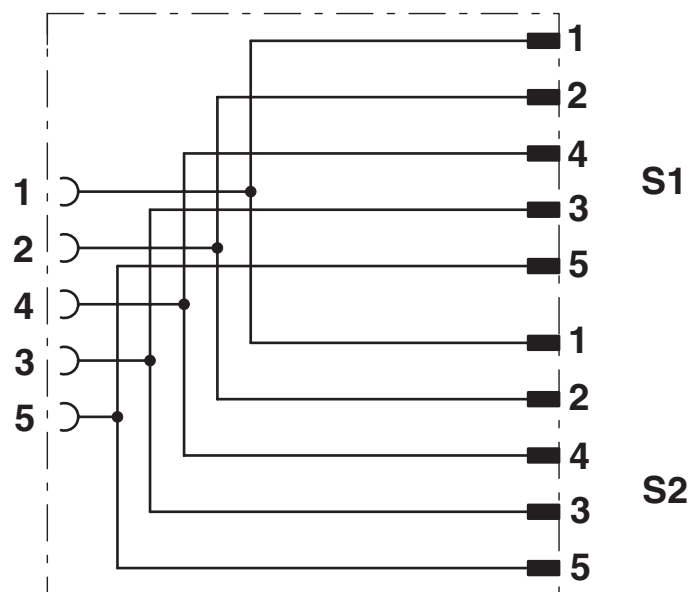
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Schematic diagram

Pin assignment of M12 socket, 5-pos.

Circuit diagram

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%

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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 FS-M - Sealing cap

1430488

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M12 metal 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

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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

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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

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