

SAC-3P-M12Y/2XM 8FS - Y distributor



1683471
<https://www.phoenixcontact.com/us/products/1683471>

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Y distributor, 4-position, unshielded, Plug straight M12, coding: A, on Socket straight M8, coding: A and Socket straight M8, coding: A

Commercial data

Item number	1683471
Packing unit	5 pc
Minimum order quantity	1 pc
Sales key	BF10
Product key	BF1GAB
Catalog page	Page 252 (C-2-2019)
GTIN	4017918166939
Weight per piece (including packing)	12.95 g
Weight per piece (excluding packing)	13.1 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
No. of cable outlets	2
Shielded	no
Coding	A
Thread type	M12 to M8

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

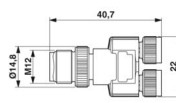
Electrical properties

Insulation resistance	$\geq 100 \text{ M}\Omega$
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	22 mm
Height	14.8 mm
Length	40.7 mm
Center distance	12 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	Plug straight M12
Coding type	A

Connection 2

Type	Socket straight M8
Coding type	A

Connection 3

Type	Socket straight M8
Coding type	A

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 ... 90 °C (Plug / socket)

Standards and regulations

M12

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

M8

Standard designation	M8 connector
Standards/specifications	IEC 61076-2-104

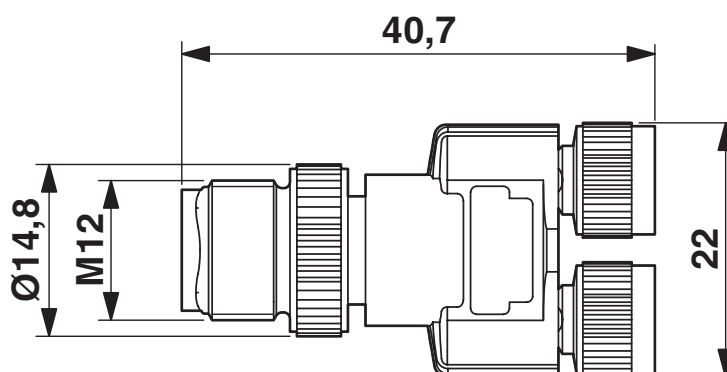
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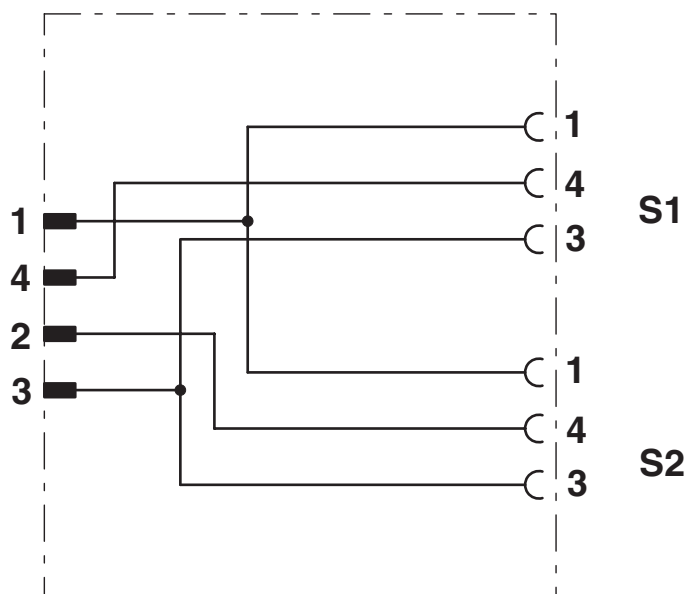
Drawings

Dimensional drawing



M12 Y distributor

Circuit diagram



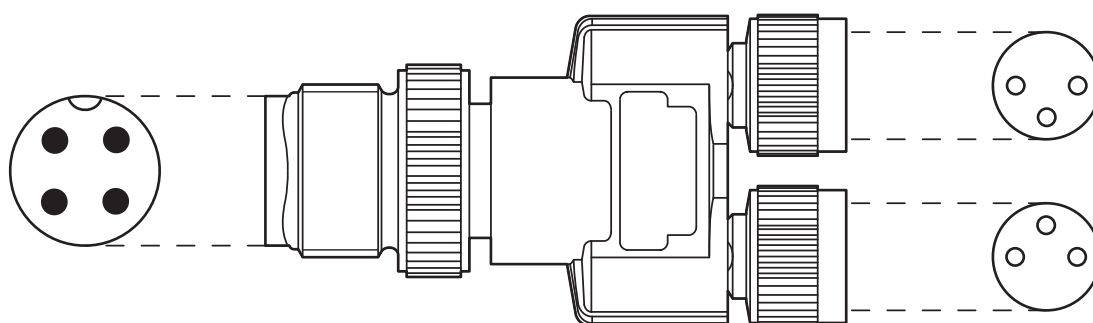
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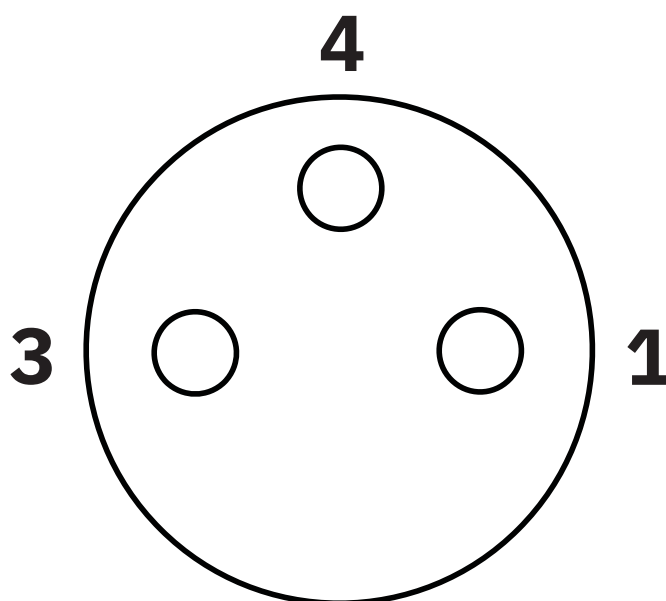


Schematic diagram



Layout of connector pin assignments

Schematic diagram



Pin assignment M8 socket, 3-pos., view female side

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Schematic diagram



Pin assignment M12 plug, 4-pos., A-coded, view plug side

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1683471>



EAC
Approval ID: RU C-DE.AI30.B.01102



EAC
Approval ID: EAC-Zulassung

	UL Listed Approval ID: E221474			
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	30 V	4 A	-	-

	cUL Listed Approval ID: E221474			
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	30 V	4 A	-	-



EAC
Approval ID: RU C-DE.BL08.B.00511

cULus Listed

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Classifications

ECLASS

ECLASS-11.0	27440106
ECLASS-12.0	27440106
ECLASS-13.0	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
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%
EF3.0 Climate Change	
CO2e kg	0.611 kg CO2e

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Accessories

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-M8 - Screw plug

1682540

<https://www.phoenixcontact.com/us/products/1682540>



An M8 screw plug for the unoccupied M8 sockets of the sensor/actuator cable, boxes and flush-type connectors

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TSD 04 SAC - Torque screwdriver

1208429

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

SAC BIT M12-D15 - Tool

1208432

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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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TSD 02 SAC - Torque screwdriver

1208487

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Torque screwdriver, with preset torque of 0.2 Nm and 4 mm hexagonal drive for M8 connectors

SAC BIT M8-D10 - Tool

1208461

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Nut for assembling M8 connectors with longitudinal knurl and a knurl diameter of 10 mm, for 4 mm hexagonal drive

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