

1514029

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

Commercial data

Item number	1514029
Packing unit	5 pc
Minimum order quantity	5 pc
Product key	BF1GAB
Catalog page	Page 253 (C-2-2019)
GTIN	4017918943509
Weight per piece (including packing)	29.41 g
Weight per piece (excluding packing)	26.78 g
Customs tariff number	85366990
Country of origin	PL

Technical data

Product properties

Product type	Y-distributor
Number of positions	5
No. of cable outlets	2
Shielded	no
Coding	A
Thread type	M12

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

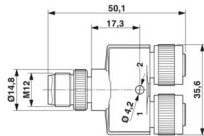
Electrical properties

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	39 mm
Height	16 mm
Length	50.1 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

1514029

<https://www.phoenixcontact.com/pc/products/1514029>

Connector

Connection 1

Type	Plug straight M12
Coding type	A

Connection 2

Type	Socket straight M12
Coding type	A

Connection 3

Type	Socket straight M12
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

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

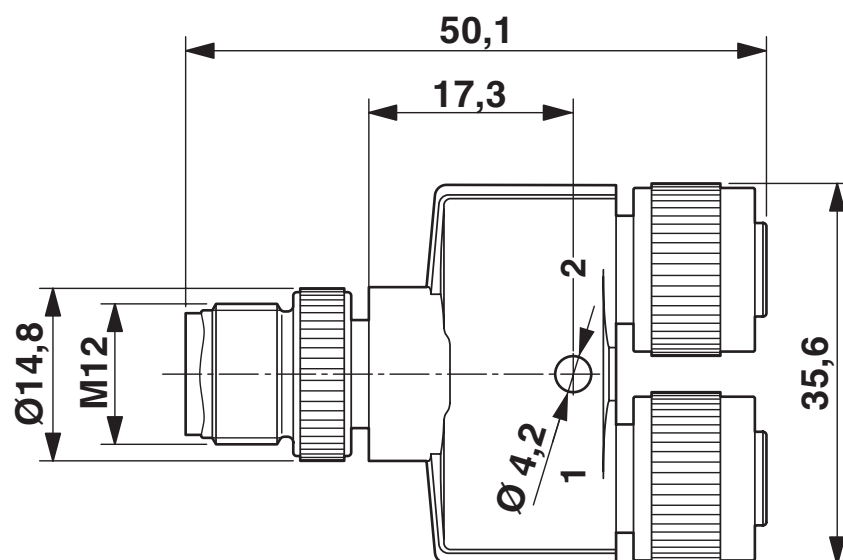
SAC-5P-M12Y/2XM12FS VP S21 - Y distributor

1514029

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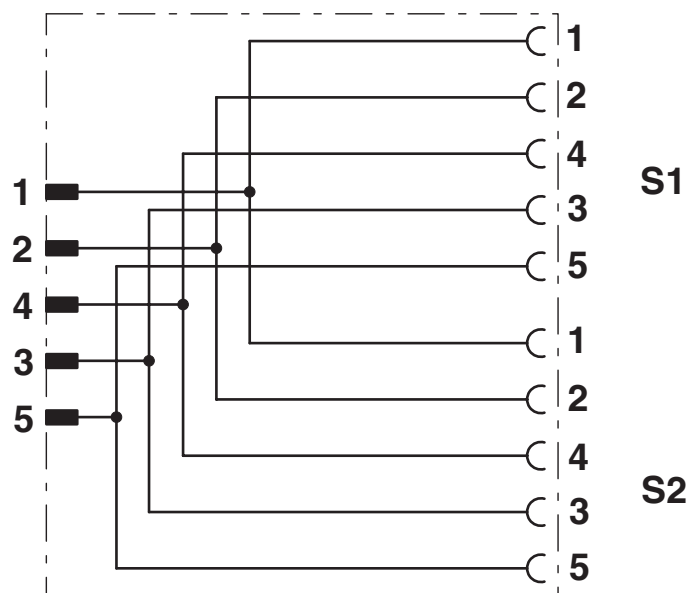
Drawings

Dimensional drawing



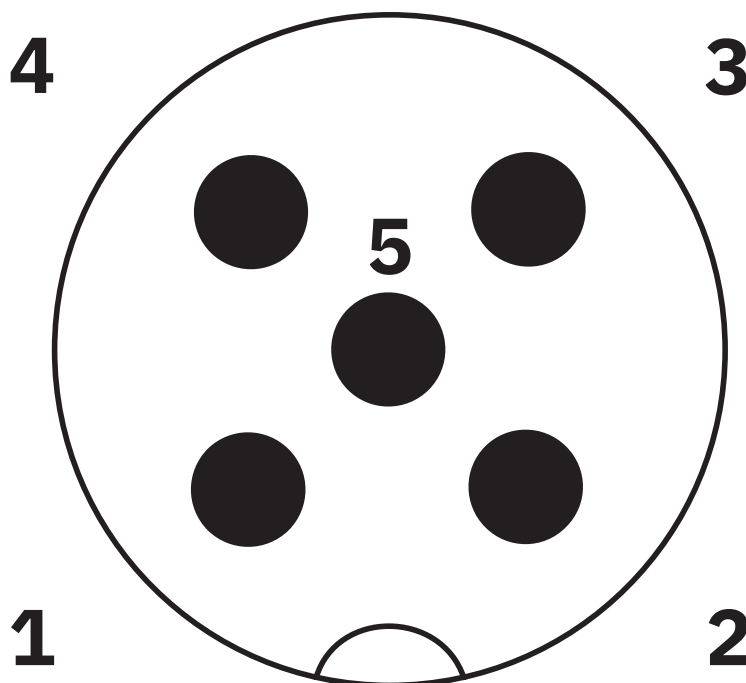
Plug M12 x 1, Y distributor, inner gauge of 21 mm

Circuit diagram



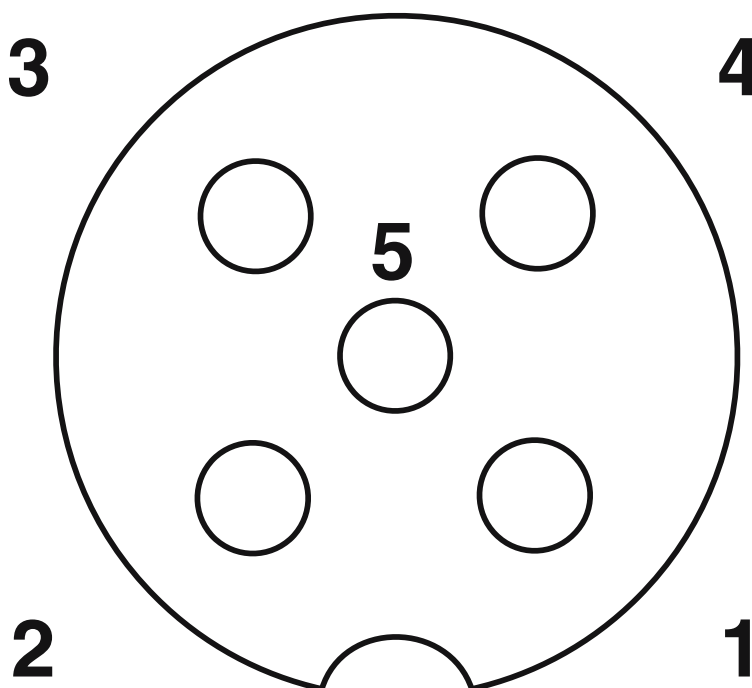
Contact assignment of the M12 Y distributor

Schematic diagram



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

Schematic diagram



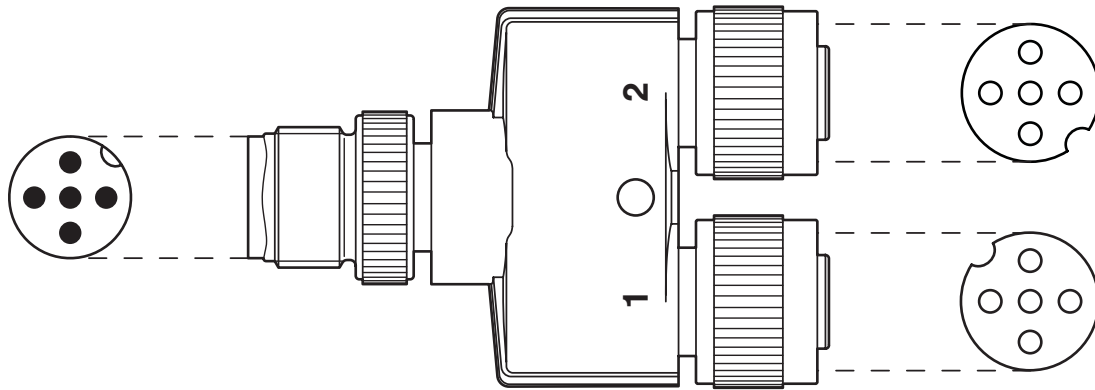
Pin assignment M12 socket, 5-pos., A-coded, socket side view

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1514029

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Schematic diagram



Layout of connector pin assignments

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1514029

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/1514029>

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

cULus Listed

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1514029

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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	1.006 kg CO2e

1514029

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Accessories

PROT-M12 - Screw plug

1680539

<https://www.phoenixcontact.com/pc/products/1680539>



An M12 screw plug for the unoccupied M12 sockets of the sensor/actuator cable, boxes and flush-type connectors

PROT-M12 FS - Sealing cap

1560251

<https://www.phoenixcontact.com/pc/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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1514029

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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

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M12 sealing cap made of plastic with fixing band, for sensor cables, for free M12 plugs



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1514029

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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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