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	AF1GAB
GTIN	4017918166939
Weight per piece (including packing)	13 g
Weight per piece (excluding packing)	13.1 g
Customs tariff number	85366990
Country of origin	PL

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

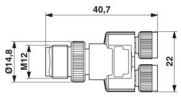
Electrical properties

Insulation resistance	≥ 100 MΩ
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

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

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

M12

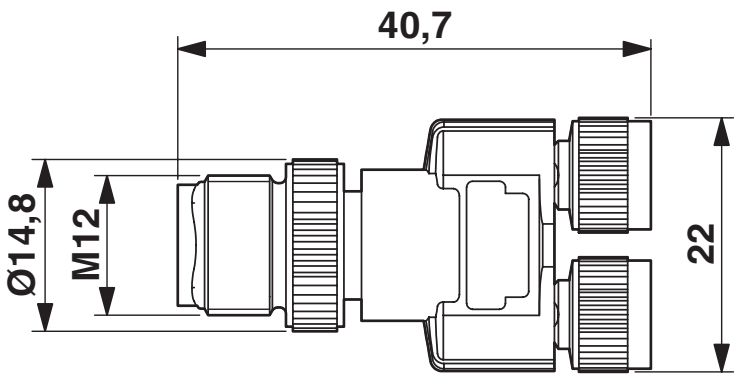
Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101

M8

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

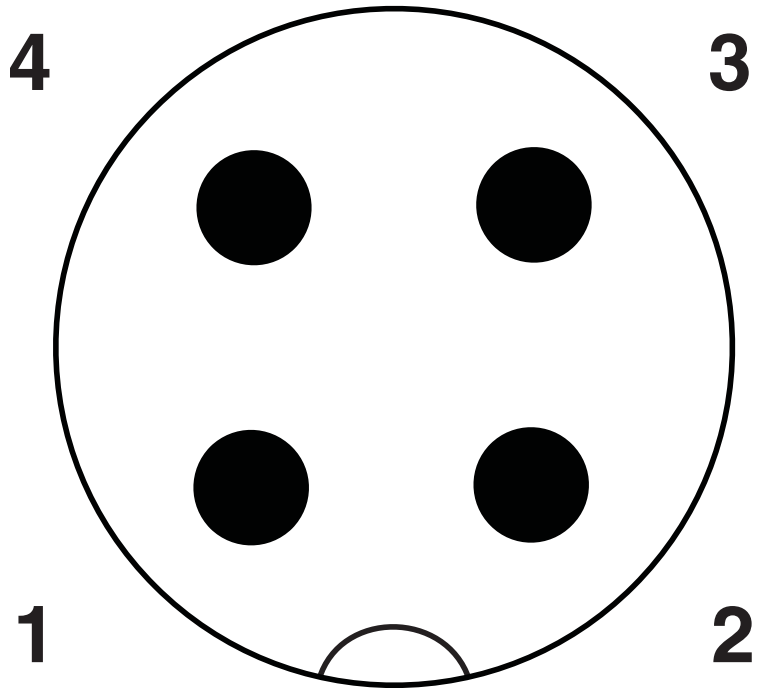
Drawings

Dimensional drawing



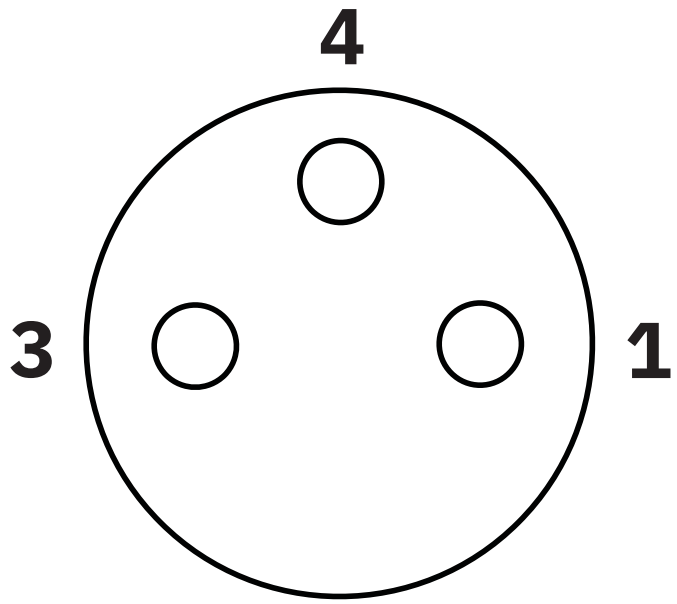
M12 Y distributor

Schematic diagram



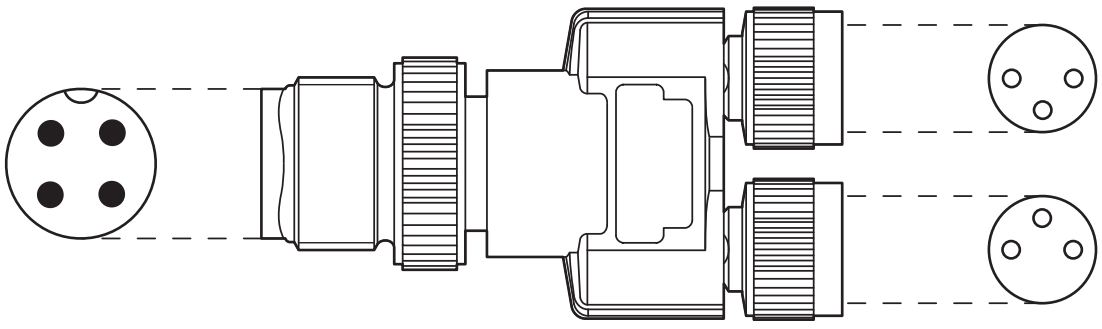
Pin assignment M12 plug, 4-pos., A-coded, view plug side

Schematic diagram



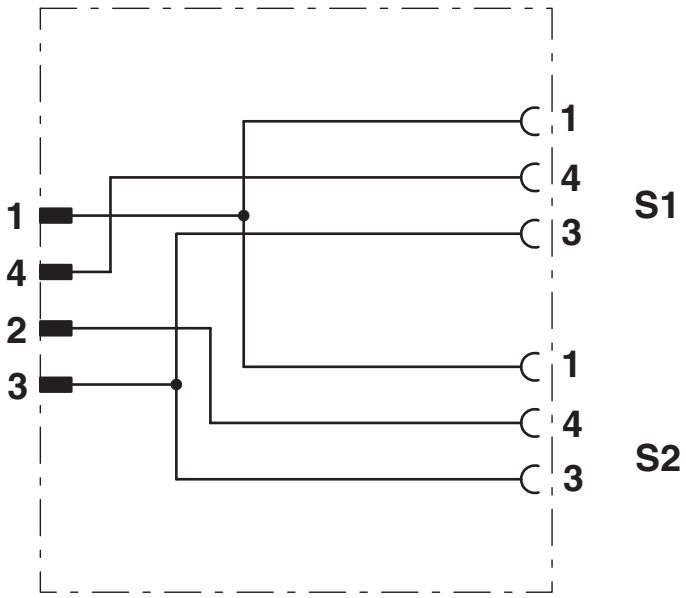
Pin assignment M8 socket, 3-pos., view female side

Schematic diagram



Layout of connector pin assignments

Circuit diagram



Contact assignment of the M12/M8 Y distributor

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

UL Listed
Approval ID: E221474

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	30 V	4 A	-	-

cUL Listed
Approval ID: E221474

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	30 V	4 A	-	-

Classifications

ECLASS

ECLASS-13.0	27440106
ECLASS-15.0	27440106

ETIM

ETIM 10.0	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%

EF3.1 Climate Change

CO2e kg	0.617 kg CO2e

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