

1525924

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Sensor/actuator cable, 3-position, PUR/PVC, yellow, Plug straight M12, coding: A, on Socket angled M12, coding: A and Socket angled M12, coding: A, cable length: 1 m

Commercial data

Item number	1525924
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF03
Product key	BF1COA
GTIN	4017918951788
Weight per piece (including packing)	105.1 g
Weight per piece (excluding packing)	102.7 g
Customs tariff number	85444290
Country of origin	PL



1525924

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Technical data

Product properties

Product type	Distributor with cable
Number of positions	3
No. of cable outlets	2
Shielded	no
Coding	A
Insulation characteristics	
Overvoltage category	II
Degree of pollution	3

Material specifications

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

Electrical properties

Insulation resistance	≥ 10 GΩ
Nominal voltage U _N	48 V AC
	60 V DC
Nominal current I _N	4 A

Mechanical properties

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Insertion/withdrawal cycles	≥ 100
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Signaling

Status display	No
Status display present	No

Connector

Connection 1

Туре	Plug straight M12
Coding type	A

Connection 2

Туре	Socket angled M12
Coding type	A



1525924

https://www.phoenixcontact.com/us/products/1525924

Connection 3

Туре	Socket angled M12
Coding type	A

Cable/line

Cable length 1 m

PUR/PVC yellow [140]

Dimensional drawing



Cable weight	37 kg/km
Number of positions	3
Shielded	no
Cable type	PUR/PVC yellow [140]
Conductor structure signal line	42x 0.10 mm
AWG signal line	22
Conductor cross section	0.34 mm ²
Wire diameter incl. insulation	1.52 mm ±0.02 mm
External cable diameter	5.20 mm ±0.2 mm
Outer sheath, material	PUR
External sheath, color	yellow
Conductor material	Bare Cu litz wires
Material wire insulation	PVC
Single wire, color	brown, blue, black
Thickness, insulation	≥ 0.23 mm (Core insulation)
	≥ 0.38 mm (Outer cable sheath)
	approx. 0.45 mm (Inner sheath)
Overall twist	3 wires, twisted
Max. conductor resistance	max. 57.3 Ω/km (at 20 °C)
Insulation resistance	≥ 100 MΩ*km (at 20 °C)
Nominal voltage, cable	300 V
Test voltage	2500 V
Smallest bending radius, fixed installation	52 mm
Smallest bending radius, movable installation	52 mm
Max. bending cycles	2000000
Ambient temperature (operation)	-25 °C 80 °C (cable, fixed installation)
	-5 °C 80 °C (Cable, flexible installation)



1525924

https://www.phoenixcontact.com/us/products/1525924

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65	
	IP67	
	IP68	
Ambient temperature (operation)	-25 °C 90 °C (Plug / socket)	
	-25 °C 80 °C (cable, fixed installation)	
	-5 °C 80 °C (Cable, flexible installation)	

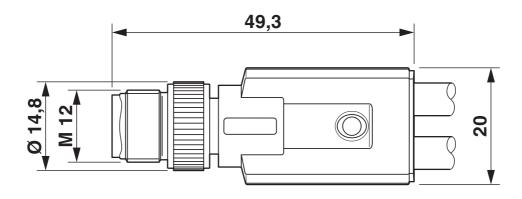


1525924

https://www.phoenixcontact.com/us/products/1525924

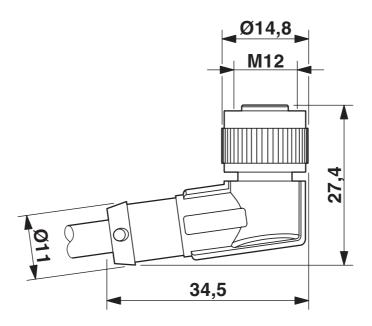
Drawings

Dimensional drawing



Plug M12 x 1, Y distributor

Dimensional drawing



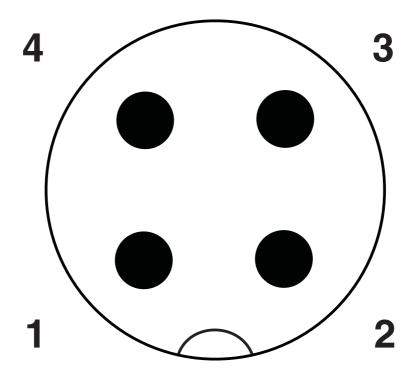
M12 x 1 socket, angled



1525924

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Schematic diagram

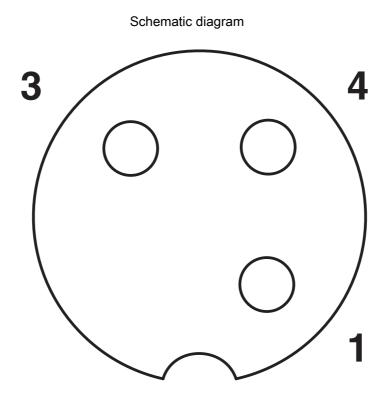


Pin assignment M12 plug, 4-pos., A-coded, view plug side



1525924

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Pin assignment M12 socket, 3-pos., A-coded, view female side



1525924

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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1525924

<u> </u>	UL Listed Approval ID: FILE E 221474				
		Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
		300 V	4 A	-	-

• <u>®</u>	cUL Listed Approval ID: FILE E 221474				
		Nominal voltage U_N	Nominal current I _N	Cross section AWG	Cross section mm ²
		300 V	4 A	-	-

EAC	EAC-RoHS
LIIL	Approval ID: RU D-DE.HB35.B.00387

cULus Listed



1525924

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Classifications

UNSPSC 21.0

ECLASS

	ECLASS-11.0	27060313
	ECLASS-12.0	27060313
	ECLASS-13.0	27060313
ETIM		
	ETIM 8.0	EC001855
UNSPSC		

26121600



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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%

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