

1540983

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Sensor/actuator cable, 2-pos, PUR/PVC gray, straight M12 plug on valve connector type MSZC, with 1 LED, cable length: 2.5 m

Commercial data

Item number	1540983
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	AF1COA
Product key	AF1COA
GTIN	4046356085977
Weight per piece (including packing)	43.92 g
Weight per piece (excluding packing)	42.2 g
Customs tariff number	85444290
Country of origin	PL



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Technical data

Product properties

Product type	Sensor/actuator cable with valve connector
Number of positions	2
No. of cable outlets	1
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 housing valve plug	TPE-U
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Contact material	CuSn

Electrical properties

Insulation resistance	≥ 100 MΩ	
Nominal voltage U_N	48 V AC	
	60 V DC	
Protective circuit	Protective circuit and holding current reduction	

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100
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Signaling

Status display	1 LED
Status display present	yes

Connector

Connection 1

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Туре	Plug straight M12	
Number of positions	2	
Coding type	A	
Material	CuSn (Contact)	
	Ni/Au (Contact surface)	



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	TPU GF (Contact carriers)
Protective circuit	Protective circuit and holding current reduction
Connection 2	
Туре	Valve connector Festo ZC
Number of positions	2
Material	CuSn (Contact)
	TPE-U (Housing)
able/line	
Cable length	2.5 m
PUR gray [PUR]	
Dimensional drawing	
Number of positions	2
Shielded	no
Cable type	PUR gray [PUR]
AWG signal line	24
Conductor cross section	2x 0.25 mm² (Signal line)
External cable diameter	3.40 mm
Outer sheath, material	PUR
External sheath, color	gray RAL 7001
Conductor material	Bare Cu litz wires
Single wire, color	black, black
Ambient temperature (operation)	-10 °C 50 °C (cable, fixed installation)
	-10 °C 50 °C (Cable, flexible installation)
nvironmental and real-life conditions	
Ambient conditions	
Degree of protection	IP65 (M12 connector)
	IP67 (M12 connector)
	IP65 (Valve connector)
	-10 °C 50 °C (Valve connector)
Ambient temperature (operation)	-10 C 30 C (valve connector)

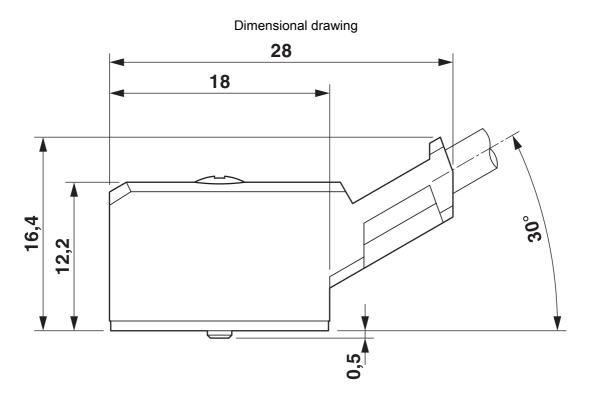
-5 °C ... 70 °C (Cable, flexible installation)



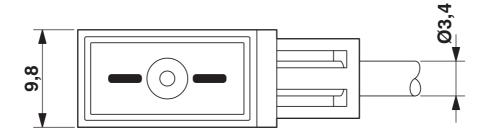
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Drawings



Dimensional drawing

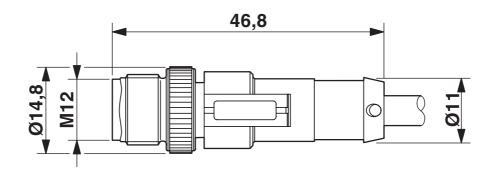


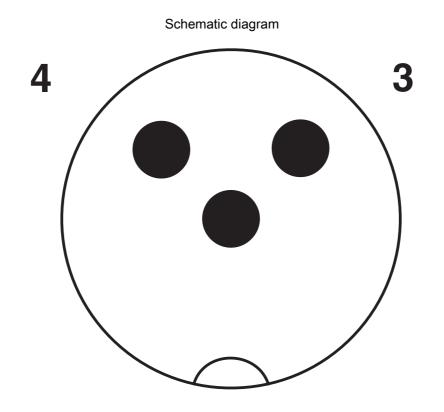


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Dimensional drawing



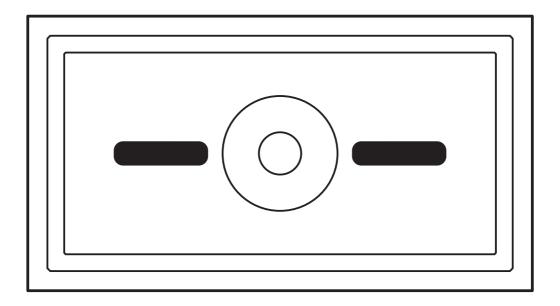




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Schematic diagram





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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/1540983

D	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	1			
		Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
		300 V	4 A	-	-

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



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Classifications

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	ECLASS-13.0	27060313
ETIM		
LTIM		
	ETIM 9.0	EC001855
UNSPSC		
	UNSPSC 21.0	26121600



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Environmental product compliance

EU RoHS

Yes, No exemptions			
China RoHS			
EFUP-E			
No hazardous substances above the limits			
EU REACH SVHC			
No substance above 0.1 wt%			

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