

1006140

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Sensor/actuator cable, 6-position, PUR halogen-free, black-gray RAL 7021, shielded, Plug straight M8, on free cable end, cable length: 2.5 m, Without PATGs

Commercial data

Item number	1006140
Packing unit	1 pc
Minimum order quantity	100 pc
Note	Made to order (non-returnable)
Product key	AF1BNA
GTIN	4055626477220
Weight per piece (including packing)	99.7 g
Weight per piece (excluding packing)	96.8 g
Country of origin	PL



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Technical data

Product properties

Product type	Sensor/actuator cable
Number of positions	6
Shielded	yes

Electrical properties

Nominal voltage U _N	30 V AC
	30 V DC

Connector

Connection 1

Туре	Plug straight M8
Number of positions	6
Connection 2	

Connection 2

Cable/line

Cable length	2.5 m

PUR halogen-free black [PUR]

Dimensional drawing



Cable weight	34 kg/km
Number of positions	6
Shielded	yes
Cable type	PUR halogen-free black [PUR]
Conductor structure signal line	18x 0.10 mm
AWG signal line	26
Conductor cross section	6x 0.14 mm² (Signal line)
Wire diameter incl. insulation	1.05 mm ±0.02 mm
External cable diameter	5.2 mm
	5.20 mm
Outer sheath, material	PUR
External sheath, color	black-gray RAL 7021
Conductor material	Bare Cu litz wires



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Single wire, color	brown, white, black, blue, gray, pink
Smallest bending radius, fixed installation	52 mm
Smallest bending radius, movable installation	52 mm
Dynamic load capacity (bending)	Max. bending cycles: 4000000, Bending radius: 52 mm, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s²
Dynamic load capacity (torsion)	Torsion: ±180 °/m, Torsion cycles: ≥1000000, Torsional frequency: 35 cycles/min.
Halogen-free	in accordance with DIN VDE 0472 part 815
Flame resistance	in accordance with DIN UL-Style 20549
Resistance to oil	in accordance with DIN EN 60811-2-1
Other resistance	Highly resistant to acids, alkaline solutions and solvents
	hydrolysis and microbe resistant
	partly UV-resistant (in accordance with DIN EN ISO 4892-2-A)
Special properties	Flexible cable conduit capable
	Silicone-free
	Free of substances which would hinder coating with paint or varnish
Ambient temperature (operation)	-40 °C 80 °C (cable, fixed installation)
	-5 °C 80 °C (Cable, flexible installation)



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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1006140

UL Li Approv	isted val ID: FILE E 221474			
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine				
	30 V	1.5 A	-	-

cUL Listed Approval ID: FILE E 221	474			
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine				
	30 V	1.5 A	-	-



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Classifications

ECLASS

	ECLASS-13.0	27060311			
	ECLASS-15.0	27060311			
ΕT	ETIM				
	ETIM 9.0	EC001855			
UNSPSC					
	UNSPSC 21.0	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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