


Sensor/actuator cable - SAC-5P-1,3-BF145/M12FS SH - 1403754

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Sensor/actuator cable, POC halogen-free, irradiated, black RAL 9005, shielded



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	 4 046356 666411
GTIN	404635666411
Weight per Piece (excluding packing)	124.700 g
Custom tariff number	85444290
Country of origin	Poland
Note	Made to Order (non-returnable)

Technical data

General

Rated voltage	48 V AC
	60 V DC

Cable

Cable type	POC irradiated halogen-free black
Cable type (abbreviation)	BF 145
Conductor cross section	5x 0.5 mm ²
AWG signal line	20
Core diameter including insulation	1.9 mm
Wire colors	black 1, black 2, black 3, black 4, black 5
Overall twist	5 wires around filler to the core
Shielding	Tinned copper braided shield
External sheath, color	black RAL 9005
External cable diameter D	7.3 mm
Minimum bending radius, fixed installation	4 x D
Minimum bending radius, flexible installation	12 x D
Number of bending cycles	2000000
Minimum bending radius, drag chain applications	10 x D
Traversing path	5 m

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Technical data

Cable

Traversing rate	4 m/s
Acceleration	5 m/s ²
Cable weight	86 kg/km
Outer sheath, material	POC
Material conductor insulation	POC
Conductor material	Tin-plated Cu litz wires
Nominal voltage, cable	300 V
Test voltage Core/Core	3500 V
Test voltage Core/Shield	2500 V
Special properties	Irradiated
Flame resistance	IEC 60332-1
	According to DIN EN 50265-2-1
Halogen-free	according to IEC 60754-1
	in accordance with DIN EN 50267-2-1
Other resistance	Good resistance to aggressive media
Concentration of fumes	in accordance with IEC 61034
	EN 50268-2
Ambient temperature (operation)	-55 °C ... 145 °C (cable, fixed installation)
	-35 °C ... 120 °C (cable, flexible installation)

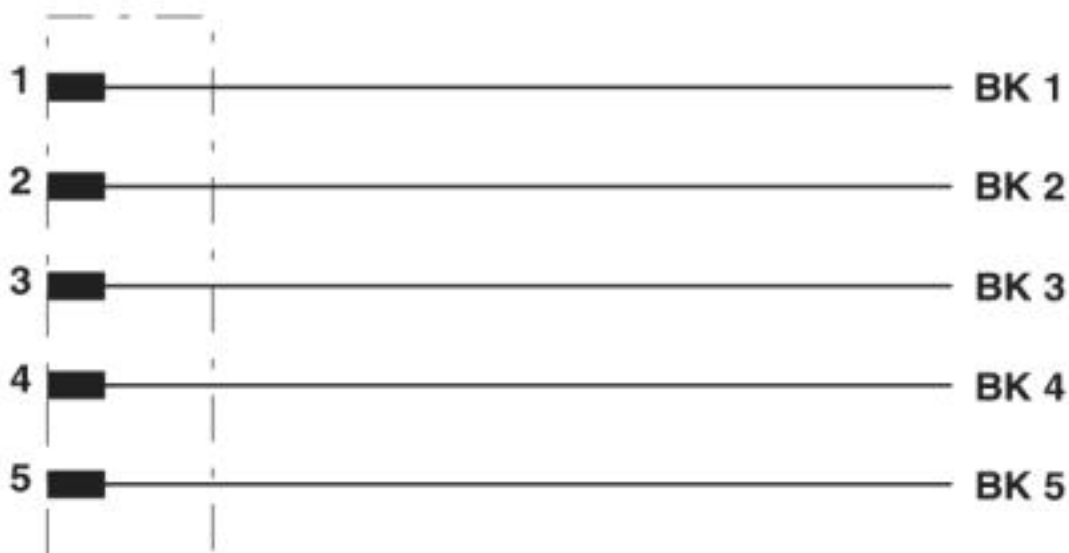
Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Sensor/actuator cable - SAC-5P-1,3-BF145/M12FS SH - 1403754

Circuit diagram



Contact assignment of the M12 socket

Classifications

eCl@ss

eCl@ss 4.0	24010400
eCl@ss 4.1	24010400
eCl@ss 5.0	19030300
eCl@ss 5.1	19030300
eCl@ss 6.0	27061800
eCl@ss 7.0	27061801
eCl@ss 8.0	27061801
eCl@ss 9.0	27061801

ETIM

ETIM 3.0	EC001855
ETIM 4.0	EC001855
ETIM 5.0	EC000830
ETIM 6.0	EC000830
ETIM 7.0	EC003249

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	26121604

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Classifications

UNSPSC

UNSPSC 18.0	26121604
UNSPSC 19.0	26121604
UNSPSC 20.0	26121604
UNSPSC 21.0	26121604