

Sensor/Actuator cable - SAC-5P-M 8MSB/ 0,3-115/M 8FSB - 1404479

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)




Sensor/Actuator cable, 5-position, PUR, Black-gray RAL 7021, Plug straight M8, B-coded, on Socket straight M8, B-coded, Cable length: 0.3 m

Product Features

- ✓ Easy and safe: 100% electrically tested plug-in components
- ✓ Our standard: robust halogen-free PUR cable



Key commercial data

Packing unit	1 PCE
GTIN	 4 046356 697163
Custom tariff number	85444290
Country of origin	GERMANY

Technical data

General data

Rated current at 40°C	3 A
Rated voltage	30 V
Number of positions	5
Volume resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Length of cable	0.3 m
Ambient temperature (operation)	-25 °C ... 90 °C (Plug / socket)

General characteristics

Standards/regulations	M8 plug-in connector IEC 61076-2-104
Coding	B - inverse

Sensor/Actuator cable - SAC-5P-M 8MSB/ 0,3-115/M 8FSB - 1404479

Technical data

General characteristics

Surge voltage category	II
Pollution degree	3
Degree of protection	IP65
Degree of protection	IP67
Degree of protection	IP68
Insertion/withdrawal cycles	≥ 100
Torque	0.2 Nm (M8 plug-in connectors)
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR
Status display	No

Conductor data

Cable type	PUR halogen-free black
Cable type (abbreviation)	115
Cable abbreviation	Li9Y11Y
UL AWM style	20549
Conductor cross section	0.25 mm ²
AWG signal line	24
Conductor structure signal line	32x 0.10 mm
Core diameter including insulation	1.17 mm ±0.02 mm
Thickness, insulation	approx. 0.21 mm (Core insulation)
Thickness, insulation	approx. 0.7 mm (Outer cable sheath)
Wire colors	Brown, white, blue, black, gray
Overall twist	5 cores, twisted
Length of twist, overall twist	75 mm
External sheath, color	Black-gray RAL 7021
External cable diameter D	4.7 mm ±0.15 mm
Smallest bending radius, fixed installation	23.5 mm
Smallest bending radius, movable installation	47 mm
Number of bending cycles	4000000
Bending radius	47 mm
Traversing path	10 m
Traversing rate	3 m/s
Acceleration	10 m/s ²

Sensor/Actuator cable - SAC-5P-M 8MSB/ 0,3-115/M 8FSB - 1404479

Technical data

Conductor data

Cable weight	30 kg/km
Outer sheath, material	PUR
Material, filler	PP
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Insulation resistance	$\geq 1 \text{ G}\Omega\cdot\text{km}$
Conductor resistance	$\leq 75 \text{ }\Omega/\text{km}$
Nominal voltage, conductor	$\leq 300 \text{ V (AC)}$
Test voltage, conductor	$\geq 3000 \text{ V (AC)}$
Flame resistance	according to UL 758/1581 (horizontal)
Flame resistance	In accordance with UL 758/1581 FT2
Halogen-free	in accordance with DIN VDE 0472 part 815
Halogen-free	in accordance with DIN EN 50267-2-1
Resistance to oil	According to DIN EN 60811-2-1, 168 h at 100°C
Other resistance	hydrolysis and microbe resistant
Other resistance	Resistant to salt water
Other resistance	Low adhesion
Other resistance	abrasion-resistant
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
Ambient temperature (operation)	-25 °C ... 80 °C (cable, flexible installation)

Classifications

ETIM

ETIM 3.0	EC001855
ETIM 4.0	EC001855
ETIM 5.0	EC001855

UNSPSC

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

eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306

Sensor/Actuator cable - SAC-5P-M 8MSB/ 0,3-115/M 8FSB - 1404479

Classifications

eCl@ss

eCl@ss 5.0	27061801
eCl@ss 5.1	27061801
eCl@ss 6.0	27061801
eCl@ss 7.0	27061801

Accessories

Accessories

Marking

Insert label - PABA WH/15 - 1013151



Insert label, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Thread on, Cable diameter: 0.6-50 mm, Lettering field: 15 x 4 mm

Insert label - PABA YE/15 - 1013698



Insert label, Strip, yellow, Unlabeled, Can be labeled with: Plotter, Mounting type: Thread on, Cable diameter: 0.6-50 mm, Lettering field: 15 x 4 mm

Insert label - PABA RD/15 - 1013944



Insert label, Strip, red, Unlabeled, Can be labeled with: Plotter, Mounting type: Thread on, Cable diameter: 0.6-50 mm, Lettering field: 15 x 4 mm

Conductor marker carrier - PATO 2/15 - 1013122



Conductor marker carrier, transparent, Unlabeled, Mounting type: Clip on, Cable diameter: 2.8-4.4 mm, Lettering field: 4 x 15 mm

Sensor/Actuator cable - SAC-5P-M 8MSB/ 0,3-115/M 8FSB - 1404479

Accessories

Conductor marker carrier - PATO 3/15 - 1013135



Conductor marker carrier, transparent, Unlabeled, Mounting type: Clip on, Cable diameter: 4.4-6.7 mm, Lettering field: 4 x 15 mm

Conductor marker carrier - PATO 4/15 - 1013148



Conductor marker carrier, transparent, Unlabeled, Mounting type: Clip on, Cable diameter: 6.7-10 mm, Lettering field: 4 x 15 mm

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

Protection and sealing elements

Sealing cap - PROT-M 8 FS-PA-CHAIN - 1430857

M8 sealing cap made of plastic with fixing band for sensor cables, for M8 plugs



Screw plug - PROT-M 8 MS-PA-CHAIN - 1430860

M8 sealing cap made of plastic with fixing band for sensor cables, for M8 sockets



Sensor/Actuator cable - SAC-5P-M 8MSB/ 0,3-115/M 8FSB - 1404479

Accessories

Tools

Torque screwdriver - TSD 02 SAC - 1208487



Torque screwdriver, with preset torque of 0.2 Nm and 4 mm hexagonal drive for M8 connectors

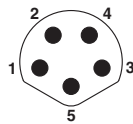
Tool - SAC BIT M8-D10 - 1208461



Nut for assembling sensor/actuator cables with M8 connector and for M8 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive

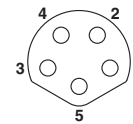
Drawings

Schematic diagram



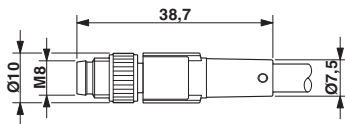
Pin assignment, pin side, M8, 5-pos., B-coded

Schematic diagram



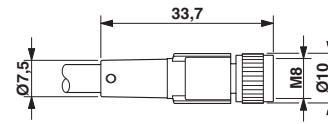
Pin assignment, socket side, M8, 5-pos., B-coded

Dimensioned drawing



M8 x 1 male plug, straight version

Dimensioned drawing



Socket M8 x 1, straight

Sensor/Actuator cable - SAC-5P-M 8MSB/ 0,3-115/M 8FSB - 1404479

Circuit diagram



Contact assignment of M8 plugs/sockets

© Phoenix Contact 2013 - all rights reserved
<http://www.phoenixcontact.com>

单击下面可查看定价，库存，交付和生命周期等信息

[>>Phoenix Contact \(菲尼克斯\)](#)