

SAC-5P-M12MS/ 0,6-927/M12FS VA - Sensor/actuator cable



1402945

<https://www.phoenixcontact.com/us/products/1402945>

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 documentation. Our general terms of use for downloads are valid.



5-pos. cable, black PVC, shielded, shielded plug, straight M12, A-coded, on shielded socket, straight M12, A-coded with VA knurl, length: 0.6 m

Commercial data

Item number	1402945
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF04
Product key	AF1CDD
GTIN	4046356637633
Weight per piece (including packing)	81 g
Weight per piece (excluding packing)	81 g
Customs tariff number	85444290
Country of origin	PL

SAC-5P-M12MS/ 0,6-927/M12FS VA - Sensor/actuator cable



1402945

<https://www.phoenixcontact.com/us/products/1402945>

Technical data

Product properties

Product type	Data cable preassembled
Number of positions	5

Electrical properties

Nominal voltage U_N	48 V AC
	60 V DC

Cable/line

Cable length	0.6 m
--------------	-------

CANopen®/DeviceNet™, PVC, black [927]

Cable weight	83 kg/km
UL AWM Style	2464 (80°C/300 V)
Number of positions	4
Shielded	yes
Cable type	CANopen®/DeviceNet™, PVC, black [927]
Signal runtime	4.46 ns/m
Conductor structure signal line	44x 0.10 mm
AWG signal line	22
Conductor structure, voltage supply	44x 0.10 mm
AWG power supply	22
Conductor cross-section	2x 0.34 mm ² (Signal line)
	2x 0.34 mm ² (Power supply)
	1x 0.38 mm ² (Drain wire)
Wire diameter incl. insulation	2.55 mm (Signal line)
	1.37 mm (Power supply)
External cable diameter	8.30 mm ±0.3 mm
Outer sheath, material	PVC
External sheath, color	black
Conductor material	Tin-plated Cu litz wires
Material wire insulation	Foamed PP (Signal line)
	PVC (Power supply)
Single wire, color	red-black, blue-white
Thickness, insulation	≥ 0.30 mm (Wire insulation power supply)
Thickness, outer sheath	≥ 1.00 mm
Twisted pairs	2 cores to the pair
Type of pair shielding	Aluminum-lined polyester foil
Overall twist	2 pairs with filler elements, around a drain wire in the center to the core
Optical shield covering	85 %
Max. conductor resistance	≤ 56 Ω/km

SAC-5P-M12MS/ 0,6-927/M12FS VA - Sensor/actuator cable



1402945

<https://www.phoenixcontact.com/us/products/1402945>

Insulation resistance	$\geq 20 \text{ M}\Omega \cdot \text{km}$
Wave impedance	$120 \Omega \pm 12 \Omega$ (f = 1 MHz)
Working capacitance	approx. 39.8 nF (Signal line, line-line)
	$\leq 4000 \text{ pF}$ (Signal line, line-shield)
Nominal voltage, cable	$\leq 300 \text{ V}$
Test voltage	2000 V (50 Hz, 1 min.)
Minimum bending radius, fixed installation	4 x D
Minimum bending radius, flexible installation	8 x D
Smallest bending radius, fixed installation	34 mm
Smallest bending radius, movable installation	67 mm
Flame resistance	in acc. with UL 1581, section 1061
Ambient temperature (operation)	-30 °C ... 80 °C

SAC-5P-M12MS/ 0,6-927/M12FS VA - Sensor/actuator cable



1402945

<https://www.phoenixcontact.com/us/products/1402945>

Classifications

ECLASS

ECLASS-13.0	27060307
ECLASS-15.0	27060307

ETIM

ETIM 10.0	EC001855
-----------	----------

UNSPSC

UNSPSC 21.0	26121600
-------------	----------

SAC-5P-M12MS/ 0,6-927/M12FS VA - Sensor/actuator cable



1402945

<https://www.phoenixcontact.com/us/products/1402945>

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%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com