

SAC-5P-M12MS/7,2-92X/M12FSSHOD - Bus system cable



1070775

<https://www.phoenixcontact.com/us/products/1070775>

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.



Bus system cable, CANopen®, 5-position, FRNC halogen-free, black, shielded, cable length: 7.2 m, for outdoor applications

Commercial data

Item number	1070775
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF04
Product key	AF1CKD
GTIN	4055626751320
Weight per piece (including packing)	520 g
Weight per piece (excluding packing)	493.304 g
Customs tariff number	85444290
Country of origin	PL

SAC-5P-M12MS/7,2-92X/M12FSSHOD - Bus system cable



1070775

<https://www.phoenixcontact.com/us/products/1070775>

Technical data

Product properties

Product type	Data cable preassembled
Sensor type	CANopen®
Number of positions	5


Interfaces

Signal type/category	CANopen®
----------------------	----------

Cable/line

Cable length	7.2 m
--------------	-------

CANopen®/DeviceNet™ outdoor installation, FRNC, black [92X]

Dimensional drawing	
Cable weight	70 kg/km
UL AWM Style	21281 (80°C/300 V)
Number of positions	4
Shielded	yes
Cable type	CANopen®/DeviceNet™ outdoor installation, FRNC, black [92X]
Conductor structure	2xAWG24/19+2xAWG22/19
Signal runtime	4.46 ns/m
Conductor structure signal line	19x 0.13 mm
AWG signal line	24
Conductor structure, voltage supply	19x 0.16 mm
AWG power supply	22
Conductor cross-section	2x 0.25 mm ² (Signal) 2x 0.34 mm ² (Power) 1x 0.38 mm ² (Drain wire)
Wire diameter incl. insulation	1.9 mm (Signal) 1.4 mm (Power)
External cable diameter	6.90 mm ±0.3 mm
Outer sheath, material	FRNC
External sheath, color	black
Conductor material	Tin-plated Cu litz wires
Material wire insulation	PE
Single wire, color	red-black, blue-white

SAC-5P-M12MS/7,2-92X/M12FSSHOD - Bus system cable



1070775

<https://www.phoenixcontact.com/us/products/1070775>

Thickness, insulation	0.60 mm (Signal)
	0.30 mm (Power)
Thickness, outer sheath	1.15 mm
Twisted pairs	2 cores to the pair
Type of pair shielding	Aluminum-lined foil
Overall twist	2 pairs around a drain wire in the center to the core
Optical shield covering	70 %
Max. conductor resistance	90 Ω/km (Signal)
	55 Ω/km (Power)
Insulation resistance	≥ 200 MΩ*km (at 20 °C)
Wave impedance	120 Ω ±12 Ω (f = 1 MHz)
Working capacitance	39.8 nF (at 1 kHz, core/core)
Nominal voltage, cable	≤ 300 V
Test voltage Core/Core	2000 V (50 Hz, 1 min.)
Test voltage Core/Shield	2000.00 V (50 Hz, 1 min.)
Minimum bending radius, fixed installation	5 x D
Minimum bending radius, flexible installation	10 x D
Smallest bending radius, fixed installation	35 mm
Smallest bending radius, movable installation	69 mm
Halogen-free	yes
Flame resistance	According to IEC 60332-3-25 (Cat. D)
Resistance to oil	yes
Other resistance	UV resistant
Ambient temperature (operation)	-40 °C ... 105 °C
Ambient temperature (installation)	-40 °C ... 105 °C

SAC-5P-M12MS/7,2-92X/M12FSSHOD - Bus system cable



1070775

<https://www.phoenixcontact.com/us/products/1070775>

Classifications

ECLASS

ECLASS-13.0	27060307
ECLASS-15.0	27060307

ETIM

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

UNSPSC

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

SAC-5P-M12MS/7,2-92X/M12FSSHOD - Bus system cable



1070775

<https://www.phoenixcontact.com/us/products/1070775>

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