



**Automatización Eléctrica**  
Especialistas en Automatización

At the end of this document you will find links to products related to this catalog. You can go directly to our shop by clicking [HERE](#). [HERE](#)

# Sensor/Actuator cable - SAC-3P- 3,0-PVC/M 8FR-2L - 1415875

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://phoenixcontact.com/download>)



Sensor/Actuator cable, 3-position, PVC, black RAL 9005, free cable end, on Socket angled M8, with 2 LEDs, Cable length: 3 m

## Why buy this product

- Easy and safe: 100% electrically tested plug-in components
- Convenient: increased machine availability thanks to quick and easy diagnostics

## Key Commercial Data

Packing unit	1 STK
GTIN	 4 055626 054469

## Technical data

### Dimensions

Length of cable	3 m
-----------------	-----

### Ambient conditions

Ambient temperature (operation)	-25 °C ... 90 °C (Plug / socket)
Degree of protection	IP65
	IP67
	IP68

### General

Rated current at 40°C	4 A
Rated voltage	24 V
Number of positions	3
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M8 connector IEC 61076-2-104
Status display	2 LEDs
Protective circuit/component	Unwired
Overvoltage category	II
Degree of pollution	3
Insertion/withdrawal cycles	≥ 100

# Sensor/Actuator cable - SAC-3P- 3,0-PVC/M 8FR-2L - 1415875

## Technical data

### Material

Flammability rating according to UL 94	HB
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

### Standards and Regulations

Standard designation	M8 connector
Standards/regulations	IEC 61076-2-104
Flammability rating according to UL 94	HB

### Cable

Cable type	PVC black
Cable type (abbreviation)	PVC
Cable abbreviation	LiYY
Conductor cross section	3x 0.25 mm <sup>2</sup> (Signal line)
AWG signal line	24
Conductor structure signal line	14x 0.15 mm
Core diameter including insulation	1.17 mm ±0.05 mm
Thickness, insulation	≥ 0.23 mm (Core insulation)
Wire colors	brown, blue, black
Overall twist	3 wires, twisted
External sheath, color	black RAL 9005
Outer sheath thickness	≥ 0.76 mm
External cable diameter D	4.2 mm ±0.15 mm
Cable weight	29 kg/km
Outer sheath, material	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 100 MΩ*km (at 20 °C)
Conductor resistance	max. 79 Ω/km (at 20 °C)
Nominal voltage, cable	≥ 300 V
Test voltage, cable	≤ 3000 V
Flame resistance	As per UL-Style 2464
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-25 °C ... 80 °C (cable, flexible installation)

# Sensor/Actuator cable - SAC-3P- 3,0-PVC/M 8FR-2L - 1415875

## Classifications

### eCl@ss

eCl@ss 5.1	27061804
eCl@ss 6.0	27061801
eCl@ss 8.0	27279218

### ETIM

ETIM 5.0	EC001855
----------	----------

## Approvals

### Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approvals submitted

### Approval details

UL Listed	
Nominal current IN	4 A
Nominal voltage UN	24 V

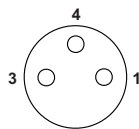
cUL Listed	
Nominal current IN	4 A
Nominal voltage UN	24 V

cULus Listed	
--------------	--

## Drawings

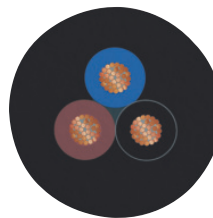
# Sensor/Actuator cable - SAC-3P- 3,0-PVC/M 8FR-2L - 1415875

Schematic diagram



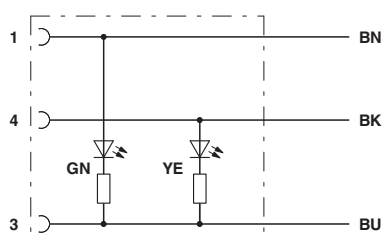
Pin assignment M8 socket, 3-pos., view female side

Cable cross section



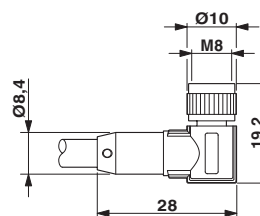
PVC black [PVC]

Circuit diagram



Contact assignment of M8/M12 socket with two LEDs

Dimensional drawing



Socket M8 x 1, angled, with LED

Below is a list of articles with direct links to our shop Electric Automation Network where you can see:

- Quote per purchase volume in real time.
- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, [click on the green button.](#)

<b>Product</b>	<b>Code</b>	<b>Reference</b>	<b>Product link</b>
Sensor/Actuator cable, 3-position, PVC, black RAL 9005, free cable end, on Socket angled M8, with 2 LEDs, Cable length: 3 m	1415875	SAC-3P- 3,0-PVC/ M 8FR-2L	<a href="#">Buy on EAN</a>