

# SAC-4P-DTMS/ 5,0-PUR - Sensor/actuator cable



1415014

<https://www.phoenixcontact.com/us/products/1415014>

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.



Sensor/actuator cable, 4-position halogen-free, Plug straight DEUTSCH DT04-4P, coding: A Clip locking, on free cable end, cable length: 5 m

## Commercial Data

Item number	1415014
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	BF08
Product Key	BF1DWA
Catalog Page	Page 244 (C-2-2019)
GTIN	4055626036915
Weight per Piece (including packing)	284.2 g
Weight per Piece (excluding packing)	284.2 g
Customs tariff number	85444290
Country of origin	DE

1415014

<https://www.phoenixcontact.com/us/products/1415014>

## Technical Data

### Product properties

Product type	Sensor/actuator cable
Number of positions	4
Application	Mobile hydraulics
No. of cable outlets	1
Shielded	no
Coding	A

### Material specifications

Color Handle area	black
Flammability rating according to UL 94	V2
Seal material	Silicon
Material of grip body	TPU
Contact material	Cu alloy
Contact surface material	nickel-plated
Contact carrier material	PA 6.6
Material for screw connection	not available

### Electrical properties

Contact resistance	≤ 8 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage $U_N$	48 V AC
	48 V DC
Nominal current $I_N$	8 A
Protective circuit	unwired

### Signaling

Status display	No
Status display present	No

### Connector

#### Connection 1

Type	Plug straight DEUTSCH DT04-4P Clip locking
Number of positions	4
Coding type	A
Number of positions	4
Locking type	Clip locking

#### Connection 2

Type	free cable end
------	----------------

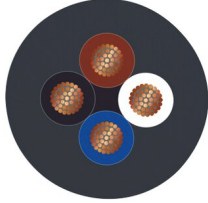
### Cable/line

# SAC-4P-DTMS/ 5,0-PUR - Sensor/actuator cable



1415014

<https://www.phoenixcontact.com/us/products/1415014>

Cable length	5 m
PUR halogen-free black [PUR]	
Dimensional drawing	
Cable weight	51 kg/km
UL AWM Style	20549 / 10152 (80°C/300 V)
Number of positions	4
Shielded	no
Cable type	PUR halogen-free black [PUR]
Conductor structure signal line	42x 0.15 mm
AWG signal line	18
Conductor cross section	4x 0.75 mm <sup>2</sup> (Signal line)
Wire diameter incl. insulation	1.69 mm ±0.05 mm (Signal line)
External cable diameter	5.7 mm ±0.15 mm
Outer sheath, material	PUR
External sheath, color	black-gray RAL 7021
Conductor material	Bare Cu litz wires
Material wire insulation	PP
Single wire, color	brown, blue, black, white
Thickness, insulation	≥ 0.21 mm
Thickness, outer sheath	≥ 0.38 mm
Overall twist	4 wires, twisted
Max. conductor resistance	≤ 26 Ω/km (at 20 °C)
Insulation resistance	≥ 1 GΩ*km (at 20 °C)
Nominal voltage, cable	≤ 300 V AC
Test voltage	≥ 3000 V AC (Spark test)
Minimum bending radius, fixed installation	5 x D
Minimum bending radius, flexible installation	10 x D
Max. bending cycles	4000000
Halogen-free	in accordance with DIN VDE 0472 part 815 in accordance with DIN EN 50267-2-1
Flame resistance	according to UL 758/1581 (horizontal) in accordance with UL 758/1581 FT2 according to DIN EN 60332-2-2
Resistance to oil	According to DIN EN 60811-2-1, 168 h at 100°C According to UL 758, 168 h at 60°C hydrolysis and microbe resistant

# SAC-4P-DTMS/ 5,0-PUR - Sensor/actuator cable



1415014

<https://www.phoenixcontact.com/us/products/1415014>

Other resistance	partly UV-resistant in accordance with DIN EN ISO 4892-2-A
	Low adhesion
	abrasion-resistant
Special properties	flexible
	Flexible cable conduit capable
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-25 °C ... 80 °C (Cable, flexible installation)

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP67
	IP69K
Ambient temperature (operation)	-20 °C ... 80 °C (Plug / socket)

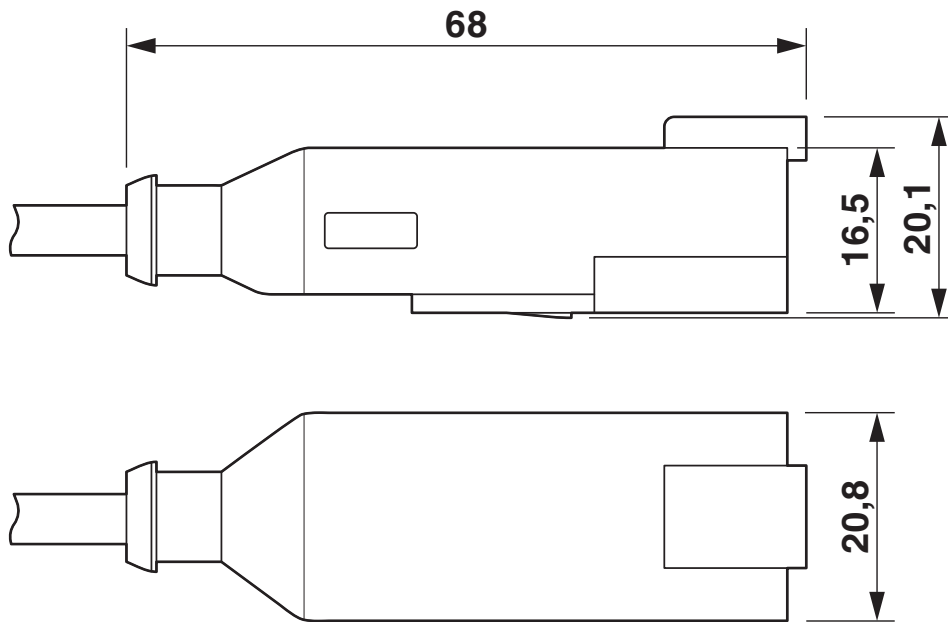
# SAC-4P-DTMS/ 5,0-PUR - Sensor/actuator cable

1415014

<https://www.phoenixcontact.com/us/products/1415014>

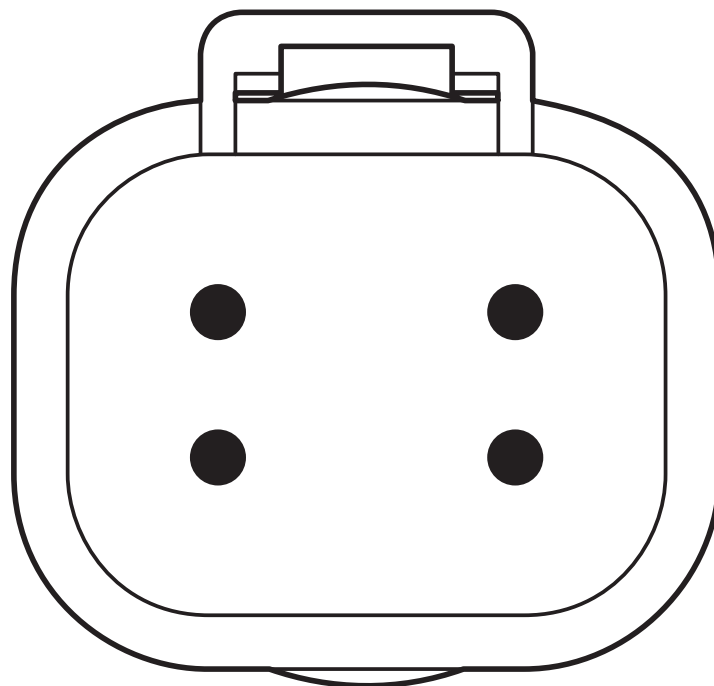
## Drawings

Dimensional drawing



DEUTSCH DT04-4P, top view and side view

Schematic diagram



DEUTSCH DT04-4P pin assignment

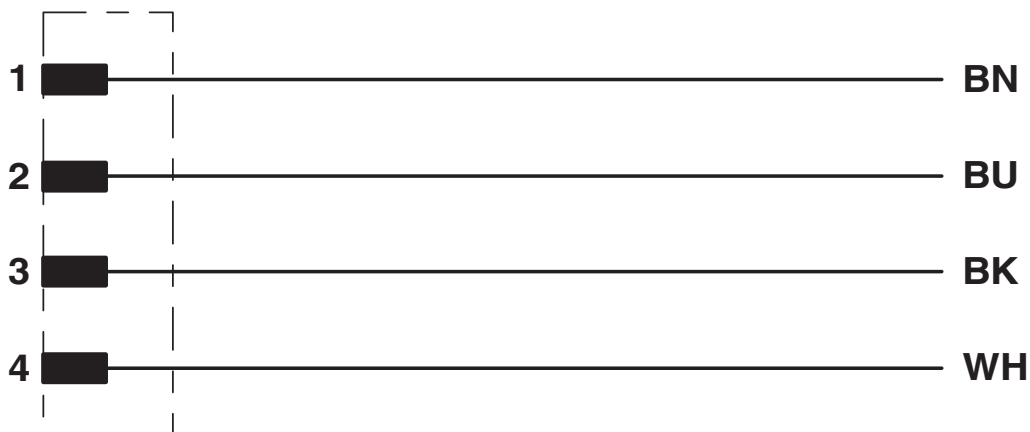
# SAC-4P-DTMS/ 5,0-PUR - Sensor/actuator cable



1415014

<https://www.phoenixcontact.com/us/products/1415014>

Circuit diagram



# SAC-4P-DTMS/ 5,0-PUR - Sensor/actuator cable



1415014

<https://www.phoenixcontact.com/us/products/1415014>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1415014>



**EAC-RoHS**

Approval ID: RU D-DE.HB35.B.00387

# SAC-4P-DTMS/ 5,0-PUR - Sensor/actuator cable



1415014

<https://www.phoenixcontact.com/us/products/1415014>

## Classifications

### ECLASS

ECLASS-11.0	27060311
ECLASS-12.0	27060311
ECLASS-13.0	27060311

### ETIM

ETIM 8.0	EC001855
----------	----------

### UNSPSC

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



# SAC-4P-DTMS/ 5,0-PUR - Sensor/actuator cable



1415014

<https://www.phoenixcontact.com/us/products/1415014>

## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

# SAC-4P-DTMS/ 5,0-PUR - Sensor/actuator cable



1415014

<https://www.phoenixcontact.com/us/products/1415014>

## Accessories

### PABA WH/23 - Insert label

1013779

<https://www.phoenixcontact.com/us/products/1013779>



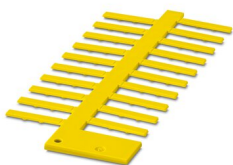
Insert label, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, mounting type: slide-on, cable diameter range: 1.5 ... 35 mm, lettering field size: 23 x 4 mm, Number of individual labels: 20

---

### PABA YE/23 - Insert label

1013782

<https://www.phoenixcontact.com/us/products/1013782>



Insert label, Strip, yellow, unlabeled, can be labeled with: CMS-P1-PLOTTER, mounting type: slide-on, cable diameter range: 1.5 ... 35 mm, lettering field size: 23 x 4 mm, Number of individual labels: 20

## SAC-4P-DTMS/ 5,0-PUR - Sensor/actuator cable

1415014

<https://www.phoenixcontact.com/us/products/1415014>



## B-STIFT - Marker pen

1051993

<https://www.phoenixcontact.com/us/products/1051993>



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

---

## CUTFOX-S VDE - Diagonal cutter

1212207

<https://www.phoenixcontact.com/us/products/1212207>



Diagonal cutter for hard (piano wire) and soft wires, VDE 1000 V AC/1500 V DC tested

# SAC-4P-DTMS/ 5,0-PUR - Sensor/actuator cable

1415014

<https://www.phoenixcontact.com/us/products/1415014>

## WIREFOX SAC-1 - Stripping tool

1212757

<https://www.phoenixcontact.com/us/products/1212757>



Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, from Ø of 3.2 to 4.4 mm, any stripping length

---

## WIREFOX SAC - Stripping tool

1212623

<https://www.phoenixcontact.com/us/products/1212623>



Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, from Ø of 4.4 to 7 mm, any stripping length

# SAC-4P-DTMS/ 5,0-PUR - Sensor/actuator cable



1415014

<https://www.phoenixcontact.com/us/products/1415014>

## WIREFOX 10 - Stripping tool

1212150

<https://www.phoenixcontact.com/us/products/1212150>



Stripping tool, for cables and conductors from 0.02 - 10 mm<sup>2</sup>, self-adjusting, stripping length of up to 18 mm, cutting capacity of up to 10 mm<sup>2</sup> stranded/1.5 mm<sup>2</sup> solid, replaceable stripping blade

---

## WP-CTA POM 13,0 BK - Protective hose adapter

1422884

<https://www.phoenixcontact.com/us/products/1422884>



Protective hose adapter, for corrugated hoses with a nominal size of 13 (10 x 13), corrugated in parallel

# SAC-4P-DTMS/ 5,0-PUR - Sensor/actuator cable



1415014

<https://www.phoenixcontact.com/us/products/1415014>

## WP-PA HF 13,0 BK - Protective hose

3240681

<https://www.phoenixcontact.com/us/products/3240681>



Protective hose, material: PA 6, UV-resistant: yes, flexible, degree of protection: IP68, color: black, flammability rating in acc. with UL 94: V0, inner diameter: 10 mm, Total length: 50 m

---

## WP-PA HF-HB 13,0 BK - Protective hose

3240839

<https://www.phoenixcontact.com/us/products/3240839>



Protective hose, material: PA 6, UV-resistant: yes, flexible, degree of protection: IP68, color: black, flammability rating in acc. with UL 94: HB, inner diameter: 10 mm, Total length: 50 m

---

Phoenix Contact 2023 © - 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](mailto:info@phoenixcon.com)