

Sensor/actuator cable - SAC-2P-DTMS/0,3PUR/M12FS4P SKF - 1426044

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, 2-position, PUR halogen-free, black-gray RAL 7021, Plug straight DEUTSCH DT04-2P
Clip locking, on Socket straight M12, coding: A, cable length: 0.3 m, Special wiring

RoHS

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	100 pc
GTIN	 4 055626 437859
GTIN	4055626437859

Technical data

Dimensions

Length of cable	0.3 m
-----------------	-------

Ambient conditions

Ambient temperature (operation)	-20 °C ... 80 °C (Plug / socket)
---------------------------------	----------------------------------

General

Rated current at 40°C	8 A
Rated voltage	48 V AC
	48 V DC
Number of positions	2
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Status display	No
Protective circuit/component	unwired

Material

Flammability rating according to UL 94	V2
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	TPU
Valve plug contact material	Cu alloy

Sensor/actuator cable - SAC-2P-DTMS/0,3PUR/M12FS4P SKF - 1426044

Technical data

Material

Valve plug contact surface material	Nickel-plated
Valve plug contact insert material	PA 6.6
Material housing valve plug	PA
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	Silicon

Standards and Regulations

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
Halogen-free	in accordance with DIN VDE 0472 part 815
	in accordance with DIN EN 50267-2-1
Other resistance	hydrolysis and microbe resistant
	partly UV-resistant in accordance with DIN EN ISO 4892-2-A
	Low adhesion
Flammability rating according to UL 94	V2

Cable

Cable type	PUR halogen-free black
Cable type (abbreviation)	PUR
Cable abbreviation	Li9Y11Y
UL AWM style	20549 / 10493 (80°C/300 V)
Conductor cross section	2x 0.75 mm ² (Signal line)
AWG signal line	18
Conductor structure signal line	42x 0.15 mm
Core diameter including insulation	1.69 mm ±0.05 mm (Signal line)
Thickness, insulation	≥ 0.21 mm
Wire colors	brown, blue
Overall twist	2 wires, twisted
External sheath, color	black-gray RAL 7021
Outer sheath thickness	≥ 0.38 mm
External cable diameter D	4.8 mm ±0.15 mm
Minimum bending radius, fixed installation	5 x D
Minimum bending radius, flexible installation	10 x D
Number of bending cycles	4000000
Bending radius	48 mm
Traversing path	10 m
Traversing rate	3 m/s

Sensor/actuator cable - SAC-2P-DTMS/0,3PUR/M12FS4P SKF - 1426044

Technical data

Cable

Acceleration	10 m/s ²
Cable weight	33 kg/km
Outer sheath, material	PUR
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 1 GΩ*km (at 20 °C)
Conductor resistance	≤ 26 Ω/km (at 20 °C)
Nominal voltage, cable	≤ 300 V AC
Test voltage, cable	≥ 3000 V AC (Spark test)
Special properties	flexible
	Flexible cable conduit capable
Flame resistance	according to UL 758/1581 (horizontal)
	in accordance with UL 758/1581 FT2
	according to DIN EN 60332-2-2
Halogen-free	in accordance with DIN VDE 0472 part 815
	in accordance with DIN EN 50267-2-1
Resistance to oil	According to DIN EN 60811-2-1, 168 h at 100°C
	According to UL 758, 168 h at 60°C
Other resistance	hydrolysis and microbe resistant
	partly UV-resistant in accordance with DIN EN ISO 4892-2-A
	Low adhesion
	abrasion-resistant
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-25 °C ... 80 °C (cable, flexible installation)

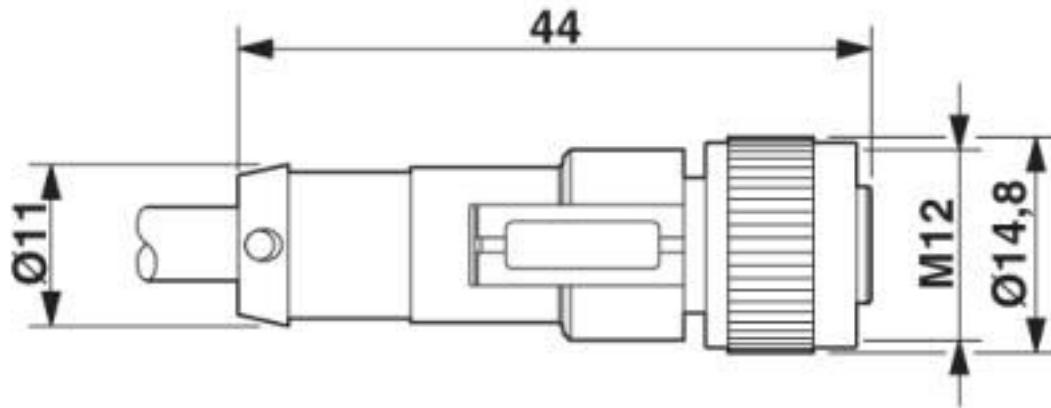
Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

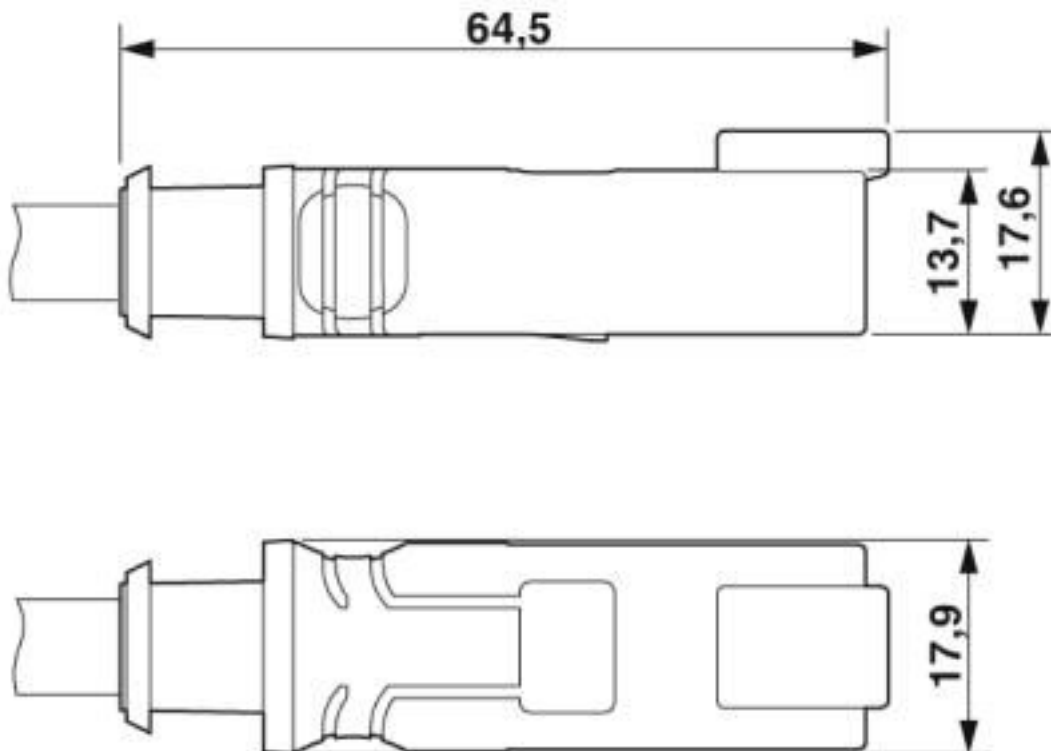
Sensor/actuator cable - SAC-2P-DTMS/0,3PUR/M12FS4P SKF - 1426044

Dimensional drawing



M12 x 1 socket, straight

Dimensional drawing



DEUTSCH DT04-2P, top view and side view

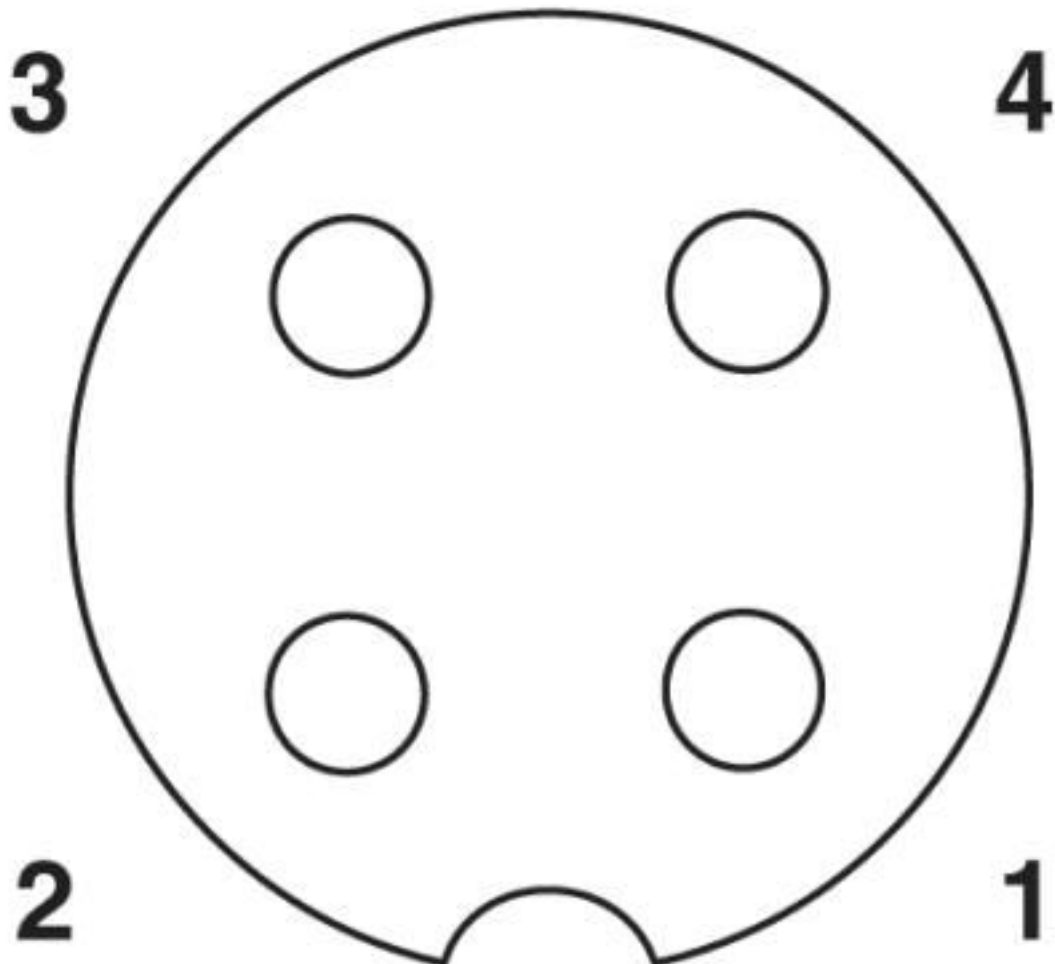
Sensor/actuator cable - SAC-2P-DTMS/0,3PUR/M12FS4P SKF - 1426044

Circuit diagram



Contact assignment of the DEUTSCH connectors

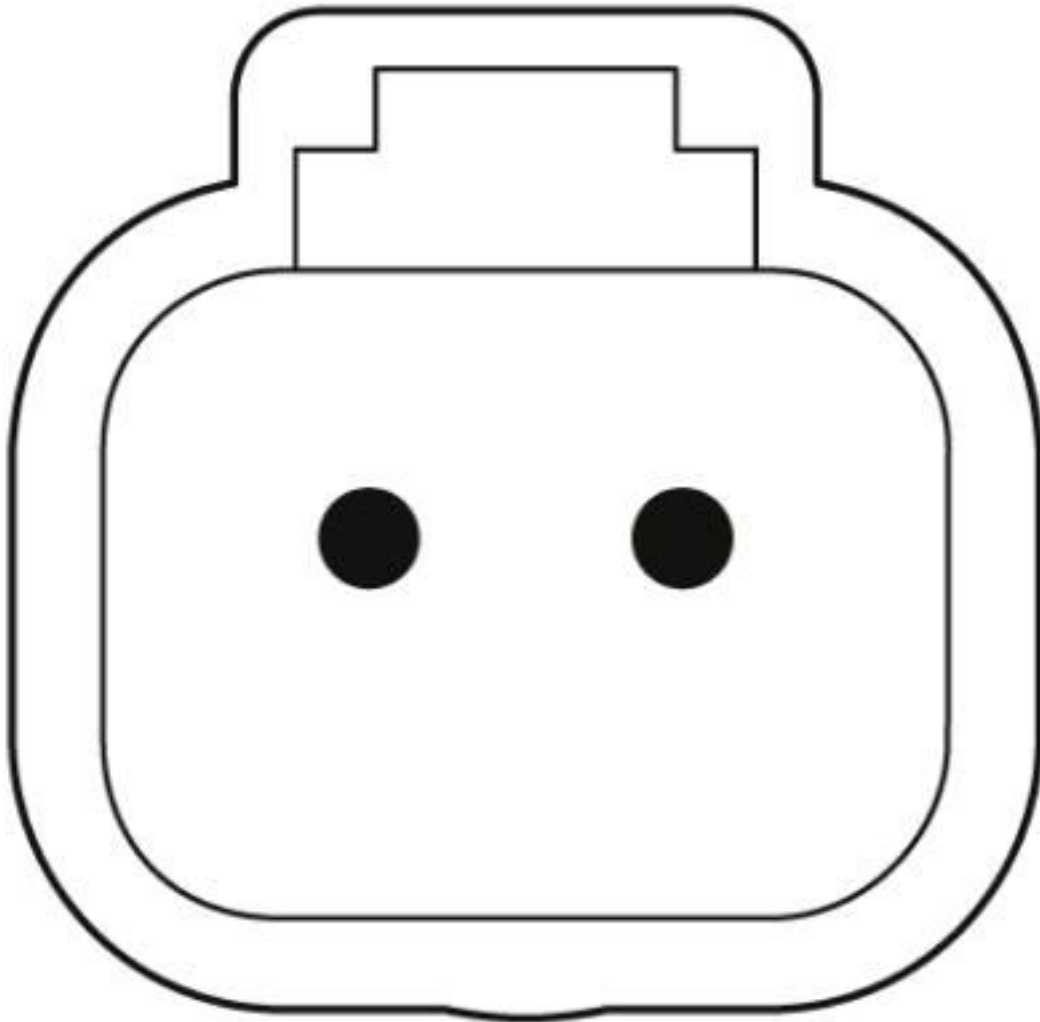
Schematic diagram



Pin assignment M12 socket, 4-pos., A-coded, view female side

Sensor/actuator cable - SAC-2P-DTMS/0,3PUR/M12FS4P
SKF - 1426044

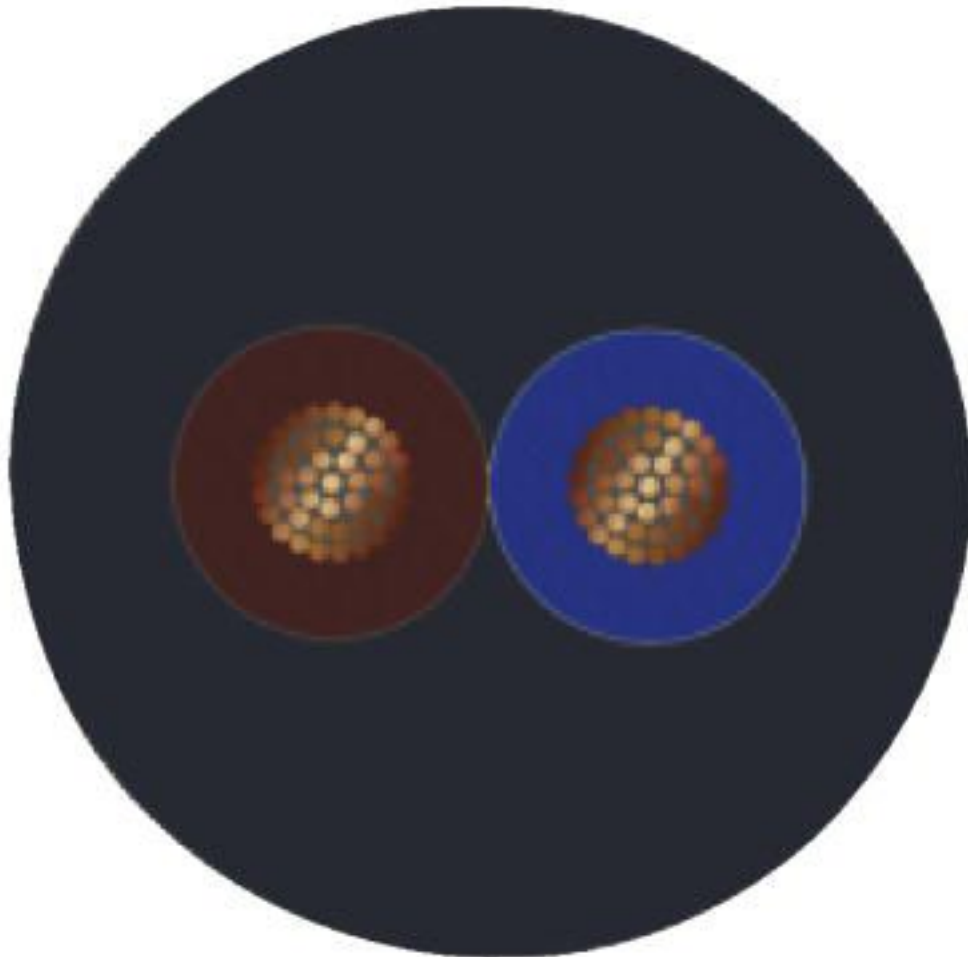
Schematic diagram



DEUTSCH DT04-2P pin assignment

Sensor/actuator cable - SAC-2P-DTMS/0,3PUR/M12FS4P SKF - 1426044

Cable cross section



PUR halogen-free black [PUR]

Classifications

eCl@ss

eCl@ss 10.0.1	27060311
eCl@ss 6.0	27279200
eCl@ss 7.0	27279218
eCl@ss 9.0	27060311

ETIM

ETIM 5.0	EC001855
ETIM 6.0	EC001855
ETIM 7.0	EC001855

Phoenix Contact 2020 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Phoenix Contact:](#)

[1426044](#)