

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



1426044

<https://www.phoenixcontact.com/us/products/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 documentation. Our general terms of use for downloads are valid.



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

Commercial data

Item number	1426044
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	AF1DWA
GTIN	4055626437859
Weight per piece (including packing)	35.7 g
Weight per piece (excluding packing)	35.2 g
Customs tariff number	85444290
Country of origin	CZ

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



1426044

<https://www.phoenixcontact.com/us/products/1426044>

Technical data

Product properties

Product type	Sensor/actuator cable
Number of positions	2
No. of cable outlets	1
Shielded	no
Coding	A

Material specifications

Flammability rating according to UL 94	V2
Seal material	Silicon
Material housing valve plug	PA
Material of grip body	TPU
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Contact material	Cu alloy
Valve plug contact insert material	PA 6.6
Contact surface material	nickel-plated
Material for screw connection	Zinc die-cast, nickel-plated

Electrical properties

Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage U_N	48 V AC 48 V DC
Nominal current I_N	8 A

Signaling

Status display	no
Status display present	no

Connector

Connection 1

Type	Plug straight DEUTSCH DT04-2P Clip locking
Number of positions	2
Locking type	Clip locking
Coding type	A
Material	CuSn (Contact) Ni/Au (Contact surface) TPU GF (Contact carrier) TPU, hardly inflammable, self-extinguishing (Grip body)

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



1426044

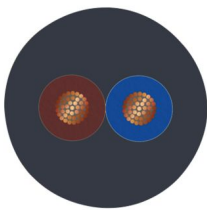
<https://www.phoenixcontact.com/us/products/1426044>

Protective circuit	unwired
Connection 2	
Type	Socket straight M12
Number of positions	2
Coding type	A
Material	Cu alloy (Contact)
	nickel-plated (Contact surface)
	PA 6.6 (Contact carrier)
	PA (Housing)

Cable/line

Cable length	0.3 m
--------------	-------

PUR halogen-free black [PUR]

Dimensional drawing	
Cable weight	33 kg/km
UL AWM Style	20549 / 10493 (80°C/300 V)
Number of positions	2
Shielded	no
Cable type	PUR halogen-free black [PUR]
Conductor structure signal line	42x 0.15 mm
AWG signal line	18
Conductor cross section	2x 0.75 mm² (Signal line)
Wire diameter incl. insulation	1.69 mm ±0.05 mm (Signal line)
External cable diameter	4.80 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
Thickness, insulation	≥ 0.21 mm
Thickness, outer sheath	≥ 0.38 mm
Overall twist	2 wires, twisted
Max. conductor resistance	≤ 26 Ω/km (at 20 °C)
Insulation resistance	≥ 1 GΩ*km (at 20 °C)

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



1426044

<https://www.phoenixcontact.com/us/products/1426044>

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
Smallest bending radius, fixed installation	24 mm
Smallest bending radius, movable installation	48 mm
Dynamic load capacity (bending)	Max. bending cycles: 4000000, Bending radius: 48 mm, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s ²
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
Other resistance	hydrolysis and microbe resistant
	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
Ambient temperature (operation) (male connector/female connector)	-20 °C ... 80 °C (Plug / socket)

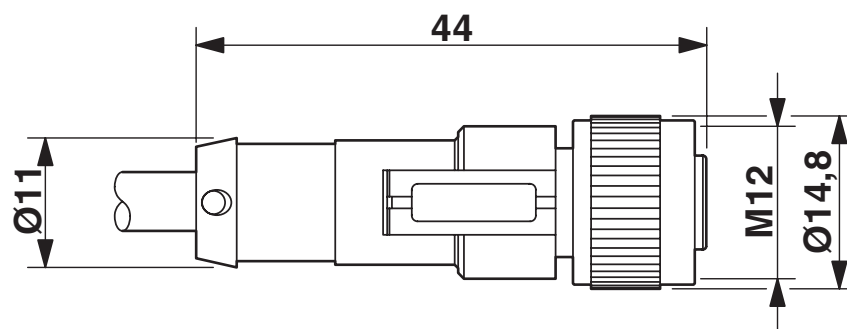
SAC-2P-DTMS/0,3PUR/M12FS4P SKF - Sensor/actuator cable

1426044

<https://www.phoenixcontact.com/us/products/1426044>

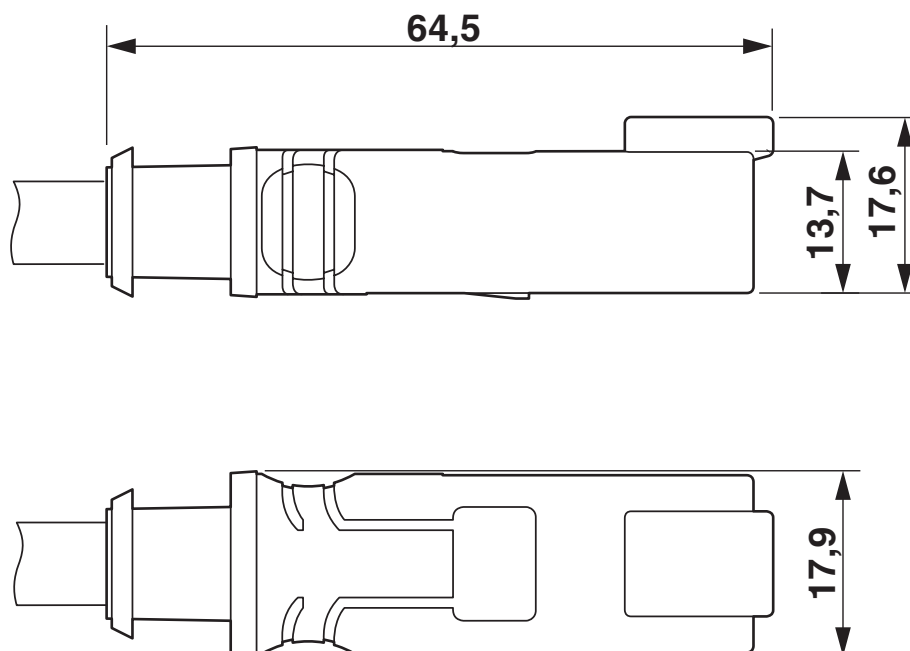
Drawings

Dimensional drawing



M12 x 1 socket, straight

Dimensional drawing



DEUTSCH DT04-2P, top view and side view

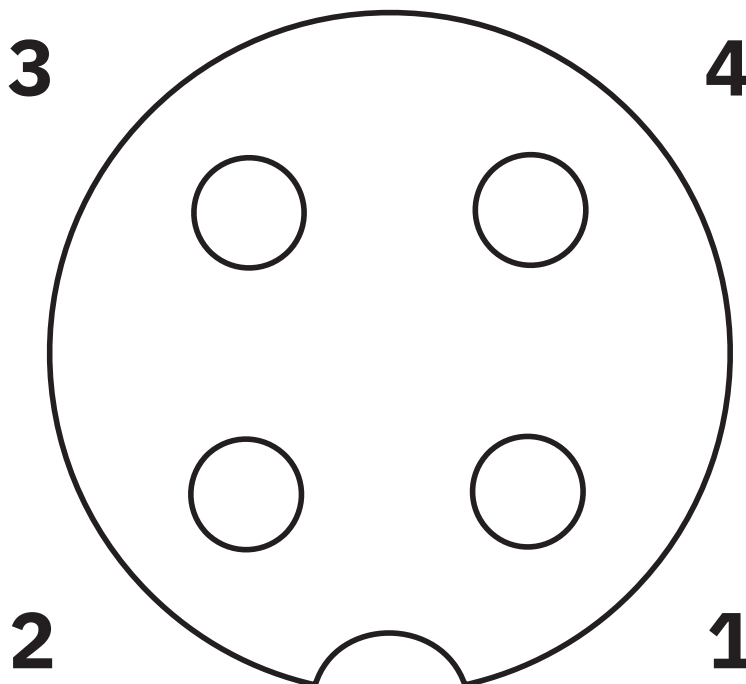
SAC-2P-DTMS/0,3PUR/M12FS4P SKF - Sensor/actuator cable



1426044

<https://www.phoenixcontact.com/us/products/1426044>

Schematic diagram



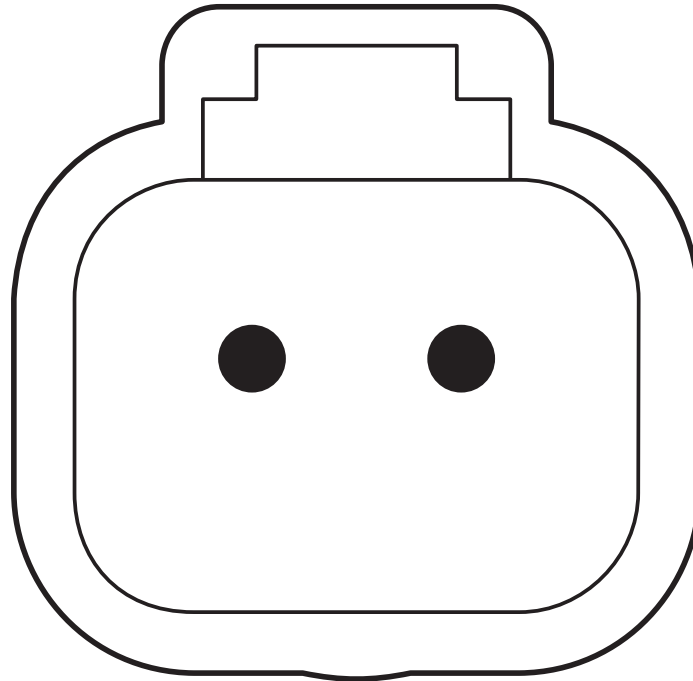
Pin assignment M12 socket, 4-pos., A-coded, view female side

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

1426044

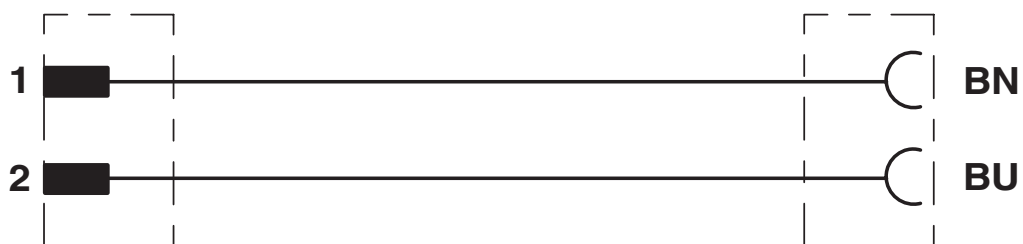
<https://www.phoenixcontact.com/us/products/1426044>

Schematic diagram



DEUTSCH DT04-2P pin assignment

Circuit diagram



Contact assignment of the DEUTSCH connectors

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



1426044

<https://www.phoenixcontact.com/us/products/1426044>

Classifications

ECLASS

ECLASS-13.0	27060311
ECLASS-15.0	27060311

ETIM

ETIM 9.0	EC001855
----------	----------

UNSPSC

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

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



1426044

<https://www.phoenixcontact.com/us/products/1426044>

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	be93a2df-e141-49e9-9851-9729cc410524

Phoenix Contact 2025 © - 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