chanhvinh.com

SAC-4P-10,0-547/M12FS BK - Sensor/actuator cable

1424904

https://www.phoenixcontact.com/gb/products/1424904

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, PVC, yellow, free cable end, on Socket straight M12, coding: A, cable length: 10 m

Commercial data

Item number	1424904
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF1IFB
Product key	BF1IFB
GTIN	4055626401768
Weight per piece (including packing)	652 g
Weight per piece (excluding packing)	652 g
Customs tariff number	85444290
Country of origin	US

chanhvinh.com

SAC-4P-10,0-547/M12FS BK - Sensor/actuator cable

1424904

https://www.phoenixcontact.com/gb/products/1424904

Technical data

Product properties

Product type	Sensor/actuator cable
Application	Standard, U.S. cables
Number of positions	4
No. of cable outlets	1
Shielded	no
Coding	A

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Material specifications

Flammability rating according to UL 94	HB
Seal material	NBR
Material of grip body	TPU, hardly inflammable, self-extinguishing
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material for screw connection	Zinc die-cast, nickel-plated
Outer sheath, material	PVC

Electrical properties

Insulation resistance	≥ 10 MΩ
Nominal voltage U_N	250 V AC
	250 V DC
Nominal current I_N	4 A

Signaling

Status display	no
Status display present	No

Connection data

Conductor connection

Tightening torque	0.4 Nm (M12 connector)

Connector

Connection 1

Type	free cable end

Connection 2

Type	Socket straight M12

chanhvinh.com

SAC-4P-10,0-547/M12FS BK - Sensor/actuator cable

1424904

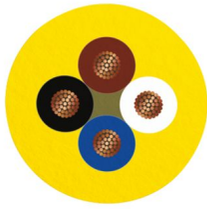
https://www.phoenixcontact.com/gb/products/1424904

Number of positions	4
Coding type	A

Cable/line

Cable length	10 m

PVC AWG 18 yellow 105°C [547]

Dimensional drawing	
UL AWM Style	2517 (105 °C / 300 V)
Number of positions	4
Shielded	no
Cable type	PVC AWG 18 yellow 105°C [547]
Conductor structure signal line	41x 0.16 mm
AWG signal line	18
Wire diameter incl. insulation	1.7 mm ±0.03 mm
External cable diameter	6.00 mm ±0.2 mm
Outer sheath, material	PVC
External sheath, color	yellow
Conductor material	Tin-plated Cu litz wires
Material wire insulation	PVC
Single wire, color	brown, white, blue, black
Overall twist	4 wires, twisted
Nominal voltage, cable	300 V
Minimum bending radius, fixed installation	8 x D
Smallest bending radius, fixed installation	48 mm
Flame resistance	FT4
Special properties	C(UL) CMX OUTDOOR-CMG 105 °C
	UL ITC/PLTC 105 °C
	CSA AWM I/II A/B FT4 105 °C / 300 V
Ambient temperature (operation)	-30 °C ... 105 °C (cable, fixed installation)

Environmental and real-life conditions

Ambient conditions

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

chanhvinh.com

SAC-4P-10,0-547/M12FS BK - Sensor/actuator cable

1424904

https://www.phoenixcontact.com/gb/products/1424904

Standards and regulations

Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101

chanhvinh.com

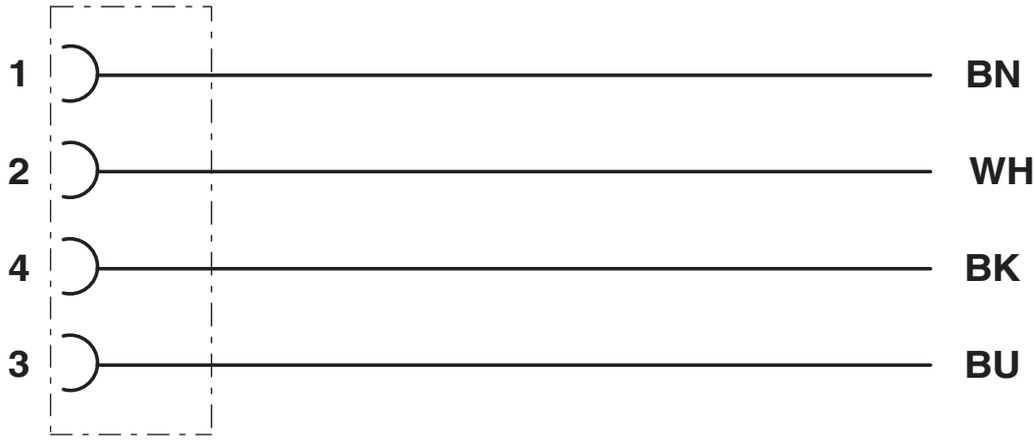
SAC-4P-10,0-547/M12FS BK - Sensor/actuator cable

1424904

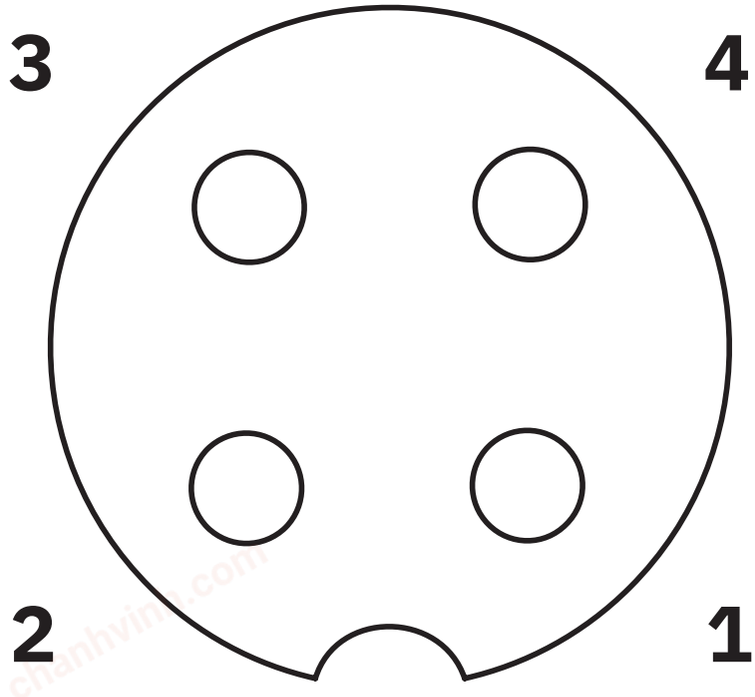
https://www.phoenixcontact.com/gb/products/1424904

Drawings

Circuit diagram



Schematic diagram



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

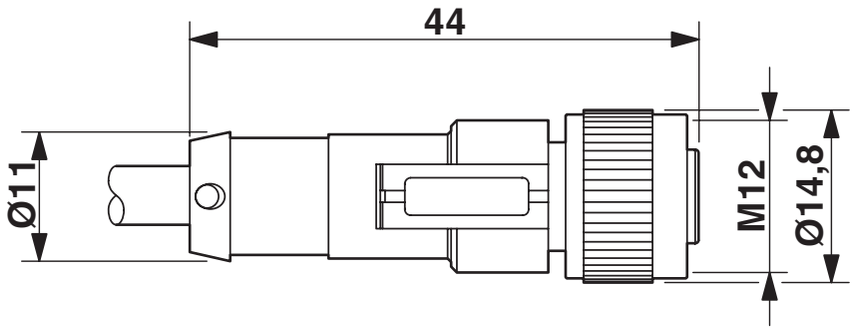
chanhvinh.com

SAC-4P-10,0-547/M12FS BK - Sensor/actuator cable

1424904

https://www.phoenixcontact.com/gb/products/1424904

Dimensional drawing



M12 x 1 socket, straight

chanhvinh.com

SAC-4P-10,0-547/M12FS BK - Sensor/actuator cable

1424904

https://www.phoenixcontact.com/gb/products/1424904

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/1424904

UL Listed
Approval ID: FILE E 221474

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	300 V	4 A	-	-

cUL Listed
Approval ID: FILE E 221474

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	300 V	4 A	-	-

cULus Listed

chanhvinh.com

SAC-4P-10,0-547/M12FS BK - Sensor/actuator cable

1424904

https://www.phoenixcontact.com/gb/products/1424904

Classifications

ECLASS

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

ETIM

ETIM 9.0	EC001855

UNSPSC

UNSPSC 21.0	26121600

chanhvinh.com

SAC-4P-10,0-547/M12FS BK - Sensor/actuator cable

1424904

https://www.phoenixcontact.com/gb/products/1424904

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 2024 © - all rights reserved
https://www.phoenixcontact.com

PHOENIX CONTACT Ltd
Halesfield 13, Telford
Shropshire, TF7 4PG
01952 681700
info@phoenixcontact.co.uk