

SAC-8P-20,0-240/M12FS 0,34 - Sensor/actuator cable



1408857

<https://www.phoenixcontact.com/pc/products/1408857>

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Sensor/actuator cable, 8-position, PUR halogen-free, yellow, free cable end, on Socket straight M12, coding: A, cable length: 20 m

Commercial data

Item number	1408857
Packing unit	1 pc
Minimum order quantity	25 pc
Note	Made to order (non-returnable)
Product key	BF1CFA
GTIN	4046356835039
Weight per piece (including packing)	1,033.3 g
Weight per piece (excluding packing)	811 g
Customs tariff number	85444290
Country of origin	PL

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Technical data

Product properties

Product type	Sensor/actuator cable
Application	Standard
Number of positions	8
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	CuZn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material for screw connection	Zinc die-cast, nickel-plated

Electrical properties

Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage U_N	30 V AC
	30 V DC
Nominal current I_N	2 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100
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Signaling

Status display	No
Status display present	No

Connector

Connection 1

Type	free cable end
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Connection 2

Type	Socket straight M12
Number of positions	8

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Coding type	A
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Cable/line

Cable length	20 m
Number of positions	8
Shielded	no
AWG signal line	22
Conductor cross section	8x 0.34 mm ²
Wire diameter incl. insulation	1.25 mm
External cable diameter	6.00 mm
Outer sheath, material	PUR
External sheath, color	yellow
Material, filler	PE
Material wire insulation	PP
Single wire, color	white, brown, green, yellow, gray, pink, blue, red
Thickness, insulation	Outer cable sheath
Max. conductor resistance	≤ 78 Ω/km
Nominal voltage, cable	300 V
Test voltage	3000 V
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

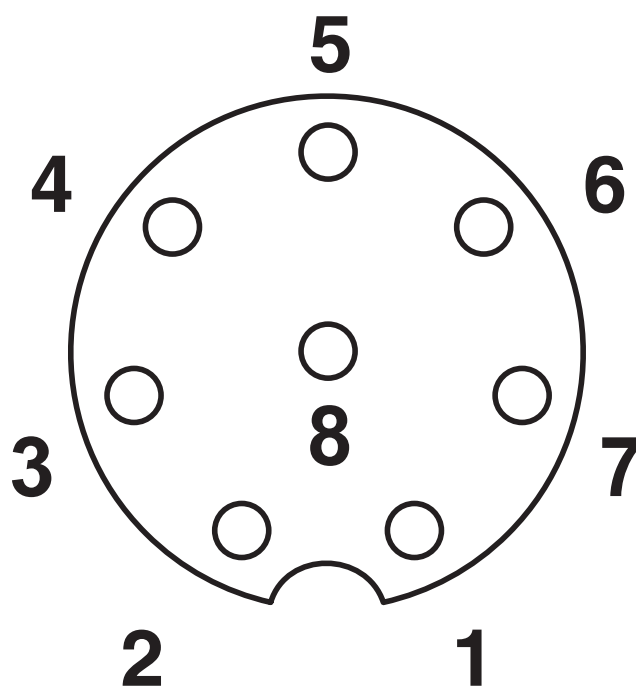
Degree of protection	IP65
	IP67
	IP68
Ambient temperature (operation)	-25 °C ... 90 °C (Plug / socket)
	-40 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (Cable, flexible installation)

Standards and regulations

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

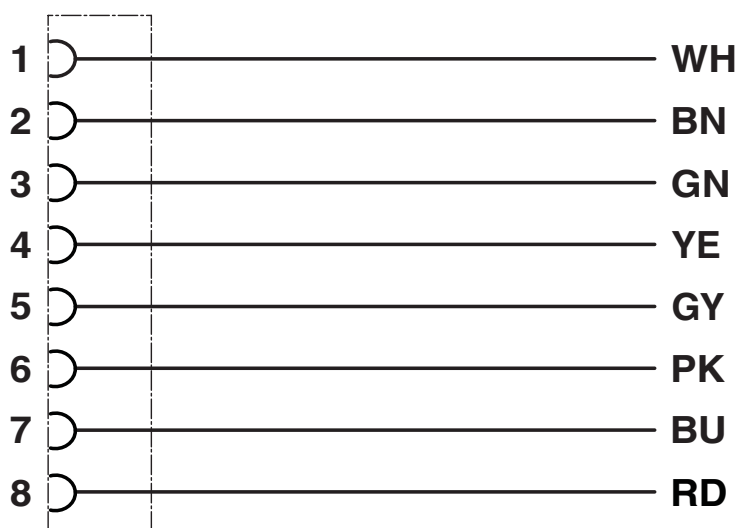
Drawings

Schematic diagram

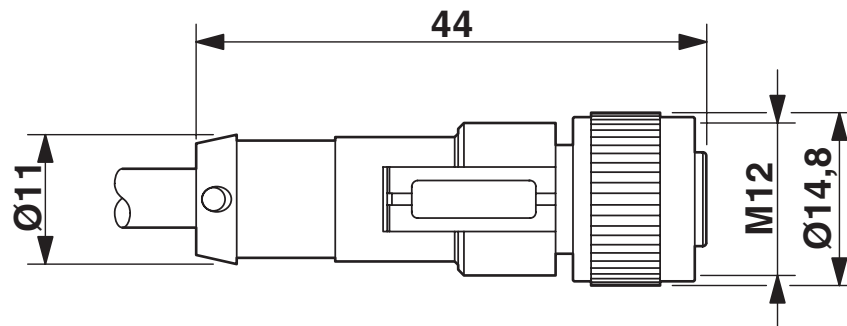


Pin assignment M12 socket, 8-pos., A-coded, view female side

Circuit diagram



Dimensional drawing



M12 x 1 socket, straight

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Classifications

ECLASS

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

ETIM

ETIM 8.0	EC001855
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UNSPSC

UNSPSC 21.0	26121600
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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%

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PHOENIX CONTACT GmbH & Co. KG
Flachmarktstraße 8
D-32825 Blomberg
+49 (0) 5235-3 00
info@phoenixcontact.com