

Sensor/Actuator cable - SAC-8P- 1,0-285/FS SH SCO - 1402262

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Sensor/Actuator cable, 8-position, PUR, Gray RAL 7001, shielded, Free cable end, on Socket straight M12-SPEEDCON, A-coded, Cable length: 1 m, Twisted pair cables

as in the figure, but with a gray conductor

Key commercial data

Packing unit	0
Minimum order quantity	25
GTIN	 4 046356 591775
Custom tariff number	85444290
Country of origin	POLAND

Technical data

General data

Rated current at 40°C	2 A
Rated voltage	30 V
Number of positions	8
Volume resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Length of cable	1 m
Stripping length of the free conductor end	50 mm
Ambient temperature (operation)	-25 °C ... 90 °C (Male connector / female connector)

General characteristics

Coding	A - standard
Surge voltage category	II
Pollution degree	3
Degree of protection	IP65/IP67/IP69K
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	Zinc die-cast, nickel-plated

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Technical data

General characteristics

Sealing material	NBR
Status display	No

Conductor data

Cable type	PUR, gray, shielded
Cable type (abbreviation)	285
Cable abbreviation	Li12YC11Y-HF
Conductor cross section	4 x 2 x 0.25 mm ² (signal line)
Conductor cross section	1x 0.25 mm ² (Drain wire)
AWG signal line	24
Conductor structure signal line	32x 0.10 mm
External cable diameter	7.6 mm ± 0.2 mm
Wire colors	white-brown, green-yellow, gray-pink, blue-red
External sheath, color	Gray RAL 7001
Insulation resistance	≥ 100 MΩ*km
Nominal voltage, conductor	350 V
Test voltage, conductor	1200 V
Twisted pairs	2 cores to the pair
Overall twist	4 pairs for core
Shielding	Tinned copper braided shield
Optical shield covering	85 %
Outer sheath, material	PUR
Material conductor insulation	PES
Conductor material	Bare Cu litz wires
Smallest bending radius, movable installation	57 mm
Number of bending cycles	3000000
Bending radius	100 mm
Traversing path	1.2 m
Traversing rate	1.4 m/s
Acceleration	2 m/s ²
Ambient temperature (operation)	-50 °C ... 80 °C (cable, fixed installation)
Ambient temperature (operation)	-40 °C ... 80 °C (cable, flexible installation)
Special properties	wear-resistant and notch tough
Resistance to oil	very good oil and chemical resistance
Other resistance	ozone and UV resistant

Classifications

eClass

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27061801
eCl@ss 5.1	27061801

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Classifications

eclass

eCl@ss 6.0	27279218
eCl@ss 7.0	27279218

etim

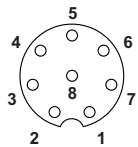
ETIM 3.0	EC001855
ETIM 4.0	EC001855

unspsc

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

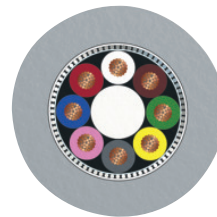
Drawings

Schematic diagram



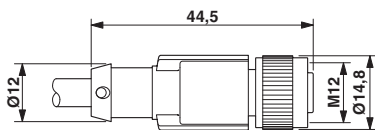
Pin assignment M12 socket, 8-pos., A-coded, view female side

Cable cross section



PUR, gray, shielded [285]

Dimensioned drawing



M12 x 1 female connector, straight, shielded

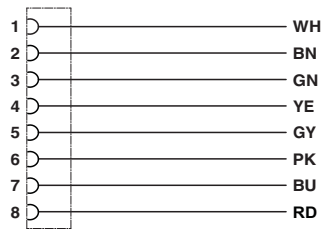
Dimensioned drawing



M12 x 1 female connector, straight, shielded

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Circuit diagram



Contact assignment of the M12 socket

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