

SACCBP-M12FS-8CON-M16/0,8-940 - Bus system flat-type plug



1562974

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Bus system flush-type socket, Ethernet, 8-pos., M12, shielded, rear/screw mounting with M16 thread, with 0.8 m bus cable, 4 x 2 x 0.26 mm²

Commercial data

Item number	1562974
Packing unit	25 pc
Minimum order quantity	50 pc
Product key	ABQYAA
GTIN	4046356301244
Weight per piece (including packing)	69 g
Weight per piece (excluding packing)	69 g
Country of origin	DE

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Technical data

Product properties

Number of positions	8
No. of cable outlets	1
Shielded	yes
Coding	A

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Electrical properties

Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage U_N	30 V
Nominal current I_N	2 A
Transmission characteristics (category)	CAT5 (IEC 11801:2002)
Wave impedance	100 Ω
Max. conductor resistance	150 m Ω /m

Signaling

Status display	no
Status display present	no

Material specifications

Flammability rating according to UL 94	V0
Seal material	NBR
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PA 6.6
Material for screw connection	Brass, nickel-plated
Outer sheath, material	PUR
Conductor material	Bare Cu litz wires

Connector

Connection 1

Head design	Socket
Head cable outlet	straight
Head thread type	M12
Coding	A

Connection 2

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Head design	free cable end
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Cable/line

Cable length	0.8 m
Cable weight	44 kg/km
Cable type	Ethernet
Cable abbreviation	Li-02YSC11Y
External cable diameter	6.70 mm
Outer sheath, material	PUR
External sheath, color	water blue RAL 5021
Wire diameter incl. insulation	approx. 1 mm
Single wire, color	white-blue, white-orange, white-green, white-brown
Cable cross section	0.14 mm ²
Conductor material	Bare Cu litz wires
Conductor structure signal line	7x 0.20 mm
AWG signal line	26
Material wire insulation	Cell PE
Twisted pairs	2 cores to the pair
Type of pair shielding	Aluminum-lined polyester foil
Overall twist	4 pairs for core
Shielding	Tinned copper braided shield
Optical shield covering	65 %
Nominal voltage, cable	125 V
Test voltage, cable	1000 V
Cable resistance	≤ 150 mΩ/m
Cable insulation resistance	5 GΩ*km
Coupling resistance	5.00 mΩ/m (at 10 MHz)
Wave impedance	100 Ω (at 100 MHz)
Working capacitance	42 pF
Signal runtime	460 ns/m
Signal speed	0.72 c
Interference suppression	90.00 dB (up to 1000 MHz)
Smallest bending radius, fixed installation	≥ 33.5 mm
Shield attenuation	60.00 dB (up to 1000 MHz)
Ambient temperature (operation)	-40 °C ... 70 °C (cable, fixed installation)
	-10 °C ... 50 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67 (When plugged in)
	IP65 (When plugged in)
	IP65/IP67

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Ambient temperature (operation) (male connector/female connector)	-25 °C ... 90 °C (Plug / socket)
Ambient temperature (operation) (Cable, fixed installation)	-40 °C ... 70 °C (cable, fixed installation)
Ambient temperature (operation) (Cable, flexible installation)	-10 °C ... 50 °C (Cable, flexible installation)

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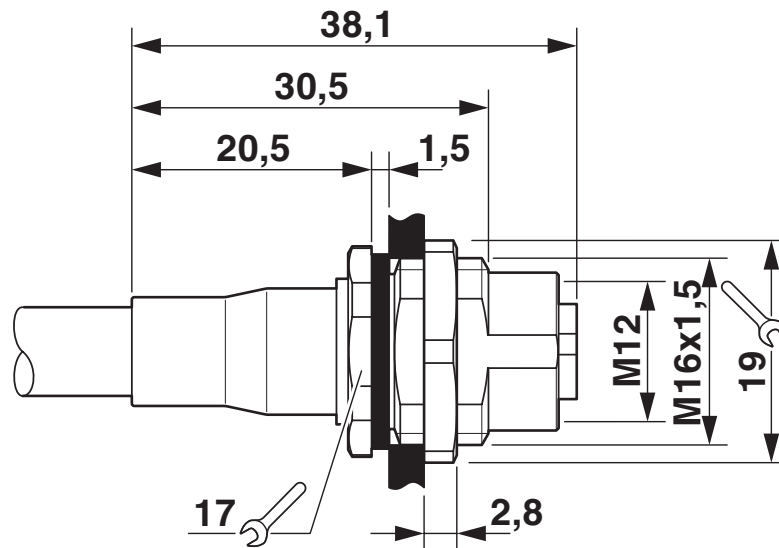


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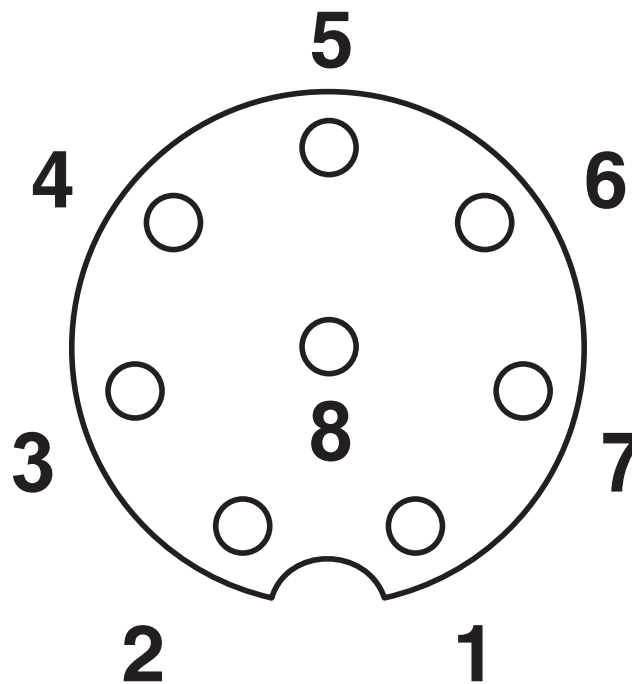
Drawings

Dimensional drawing



M12 flush-type connector

Schematic diagram



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

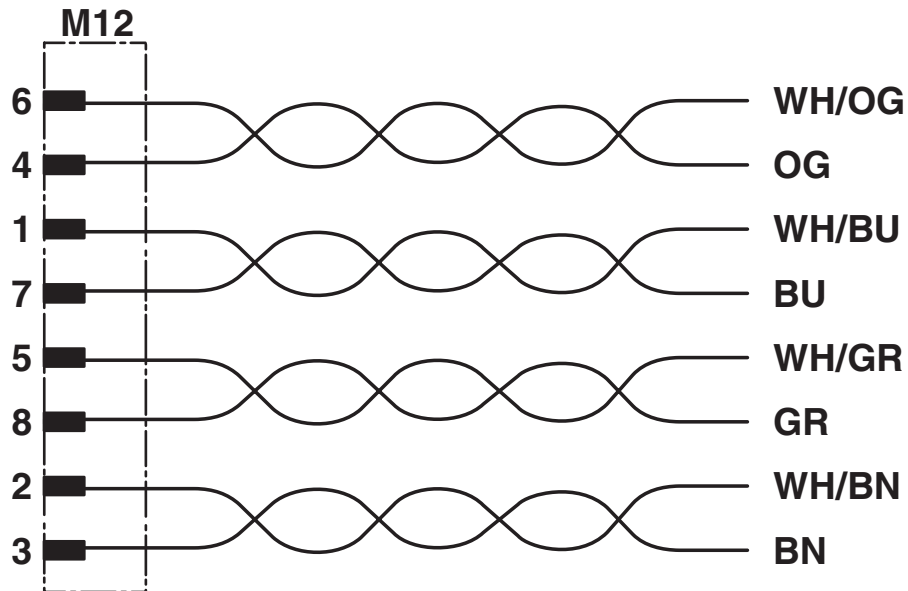
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Circuit diagram



Contact assignment of the M12 plug and the M12 socket

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