

# Bus system flat-type plug - SACCBP-M12FS-4CON-M16/1,0-990 - 1559822

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Bus system flush-type socket, CC-Link, 4-pos., M12, shielded, rear/screw mounting with M16 thread, with 1 m bus cable



## Key commercial data

Packing unit	1 pc
GTIN	 4 046356 322133
Weight per Piece (excluding packing)	109.9 g
Custom tariff number	85444290
Country of origin	Germany
Note	Made to Order (non-returnable)

## Technical data

### Dimensions

Length of cable	1 m
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### Ambient conditions

Ambient temperature (operation)	-25 °C ... 80 °C (Plug / socket)
Degree of protection	IP67

### General

Note	The electrical and mechanical data specified assume that the connector pair is correctly locked and mounted. If the connector is unlocked and if there is a danger of contamination, the connector must be sealed using a protective cap > IP54. Influences arising from litz wires, cables or PCB assembly must also be taken into consideration.
Rated current at 40°C	4 A
Rated voltage	250 V
Number of positions	4
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 10 MΩ

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### Technical data

#### General

Coding	A - standard
Signal type/category	CC link
Status display	No
Surge voltage category	II
Pollution degree	3
Insertion/withdrawal cycles	> 100
Torque	2 Nm ... 3 Nm (Installation-side)

#### Material

Inflammability class according to UL 94	V0
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PA 66
Material, knurts	Nickel-plated brass
Sealing material	FKM

#### Cable

Cable type	CC-Link
Cable type (abbreviation)	990
Conductor cross section	0.5 mm <sup>2</sup>
AWG signal line	20
Conductor structure signal line	7x 0.28 mm
Thickness, insulation	0.89 mm (Outer cable sheath)
Wire colors	white, yellow, blue
Shielding	Plastic-coated aluminum foil, tinned copper braided shield
Optical shield covering	78 %
External sheath, color	red
External cable diameter	7.70 mm
Smallest bending radius, fixed installation	77 mm
Cable weight	78.8 kg/km
Outer sheath, material	PVC
Material conductor insulation	foamed PE, with high density
Conductor material	Bare Cu litz wires
Conductor resistance	31.2 Ω/km
Working capacitance	61 pF
Wave impedance	110 Ω
Nominal voltage, cable	300 V
Ambient temperature (operation)	-30 °C ... 60 °C (cable, fixed installation)
	-5 °C ... 60 °C (cable, flexible installation)

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## Classifications

### eCl@ss

eCl@ss 4.0	27250313
eCl@ss 4.1	27250313
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 7.0	27449001
eCl@ss 8.0	27440103

### ETIM

ETIM 3.0	EC002061
ETIM 4.0	EC000830
ETIM 5.0	EC002061

### UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	39121413

## Approvals

### Approvals

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#### Approvals

EAC

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#### Ex Approvals

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#### Approvals submitted

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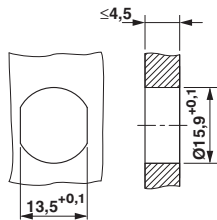
#### Approval details

EAC
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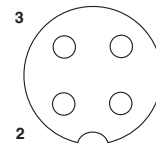
## Drawings

# Bus system flat-type plug - SACCBP-M12FS-4CON-M16/1,0-990 - 1559822

Dimensioned drawing



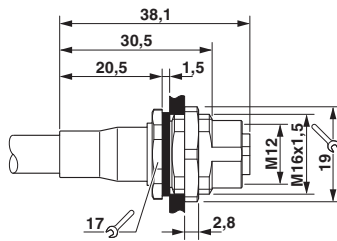
Schematic diagram



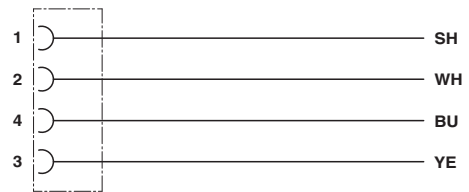
Pin assignment M12 socket, 4-pos., A-coded, view female side

Housing cutout for M16 fastening thread, mounting panel with feed-through hole (alternatively with surface as protection against rotation)

Dimensioned drawing



Circuit diagram



M12 flush-type connector

Contact assignment of the M12 socket