

# Bus system plug connector - SACC-M12MSB-5CON-PG9 SH XL PB - 1401096

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Bus system connector, male connector, straight, 5-pos., M12, shielded, gold-plated contacts, B-encoded, screw connection, metal knurl, PG11 cable gland

## Key commercial data

Packing unit	0
Minimum order quantity	1
GTIN	 4 046356 523349
Custom tariff number	85366990
Country of origin	GERMANY

## Technical data

### General data

Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	5
Volume resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ

### General characteristics

Coding	B - inverse
Surge voltage category	II
Pollution degree	3
Degree of protection	IP67
Torque	1 Nm ... 1.4 Nm (Pressure nut)
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 66
Material of grip body	Zinc die-cast, nickel-plated
Material, knurls	Nickel-plated brass
Sealing material	NBR
Connection method	Screw connection

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## Technical data

### General characteristics

Conductor cross section	0.25 mm <sup>2</sup> ... 0.75 mm <sup>2</sup>
AWG conductor cross section	24 ... 18
External cable diameter	8 mm ... 10 mm
Status display	No

## Classifications

### eclass

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

### etim

ETIM 3.0	EC002062
ETIM 4.0	EC002062

### unspsc

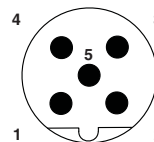
UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

## Drawings

### Schematic diagram

Cable connection side M12 (screw connection)

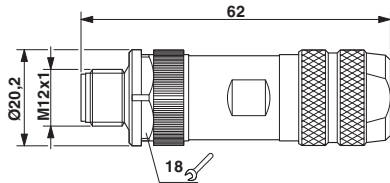
### Schematic diagram



Pin assignment M12 male connector, 5-pos., B-coded, male side

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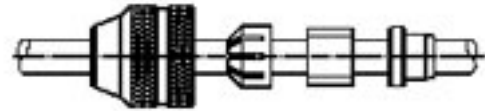
Dimensioned drawing



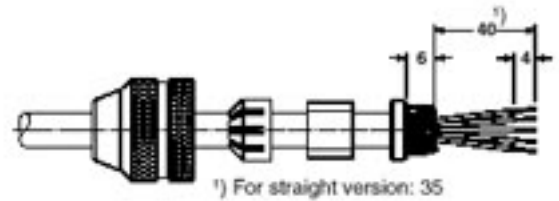
M12 x 1 male connector, straight, shielded

Functional drawing

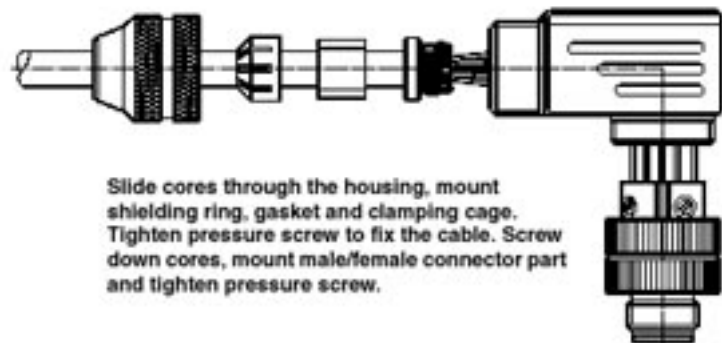
## Assembly steps for M 12 male/female connector and conductor



Slide parts onto the conductor



Strip conductor, widen shield and lay around the shielding ring, cut off projecting mesh.



Slide cores through the housing, mount shielding ring, gasket and clamping cage. Tighten pressure screw to fix the cable. Screw down cores, mount male/female connector part and tighten pressure screw.