

1401096

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Data connector, PROFIBUS, INTERBUS, 5-position, shielded, Plug straight M12, coding: B, Screw connection, knurl material: Zinc die-cast, nickel-plated, cable gland Pg11, external cable diameter 8 mm ... 10 mm

Your advantages

- · Safe use in the field, thanks to a high degree of protection
- · Screw connection: proven connection technology for a large selection of different conductors
- Reliable signal transmission 360° shielding in environments with electromagnetic interference

Commercial data

Item number	1401096
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF30
Product key	BF2CBA
GTIN	4046356523349
Weight per piece (including packing)	55.01 g
Weight per piece (excluding packing)	55.01 g
Customs tariff number	85366990
Country of origin	DE



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Technical data

Notes

General	NOTE: Observe the permissible bending radii when laying conductors, since the degree of protection may be put in jeopardy if the bending forces are too high. Alleviate mechanical loads upstream of the connector, e.g. by using cable ties.
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Product properties

Product type	Circular connector (cable-side)
Sensor type	PROFIBUS
Number of positions	5
Application	Data
No. of cable outlets	1
Shielded	yes
Coding	В
Cable outlet	straight
Pg screw connection	Pg11

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Dimensions

Dimensional drawing	52 7000
Length	62 mm
Wrench size, union nut	16 mm
External dimensions	
Outside diameter	8 mm 10 mm
Housing	
Diameter housing	20.2 mm

Material specifications

Flammability rating according to UL 94	V0
Seal material	NBR
Material of grip body	Zinc die-cast, nickel-plated
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA



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Degree of protection

Material for screw connection	Zinc die-cast, nickel-plated
Connection data	
Conductor connection	
Connection method	Screw connection
Connection cross section	0.25 mm ² 0.75 mm ² (without ferrule)
	0.14 mm ² 0.75 mm ² (with ferrule)
	0.25 mm ² 0.75 mm ² (solid)
Connection cross section AWG	24 18 (without ferrule)
	26 20 (with ferrule)
Stripping length of the individual wire	5 mm
Tightening torque	0.4 Nm (M12 knurl)
	0.2 Nm (Screw terminal blocks)
	1 Nm 1.4 Nm (Pressure nut with 8 mm 12 mm external cable diameter)
Electrical properties	
Rated surge voltage	1.5 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U _N	48 V AC
	60 V DC
Nominal current I _N	4 A
Mechanical properties	
Mechanical data	
Insertion/withdrawal cycles	≥ 100
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Connector	
Connection 1	
Head design	Plug
Head cable outlet	straight
Head thread type	M12
Coding	В
Cable/line	
Signal type/category	PROFIBUS
	INTERBUS
Stripping length of the individual wire	5 mm
Environmental and real-life conditions	
Ambient conditions	

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Ambient temperature (operation)	-40 °C 85 °C (Plug / socket)
Standards and regulations	
Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101



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Classifications

UNSPSC 21.0

ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116
ETIM	
ETIM 9.0	EC002635
UNSPSC	

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Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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