

1623331

https://www.phoenixcontact.com/us/products/1623331

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M40, Cable connector, series: SB, straight long, shielded: yes, SPEEDCON, No. of pos.: 8+4+PE, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, cable diameter range: 20.5 mm ... 26.5 mm, coding: Signal, coding 1, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1244860

# Your advantages

- · All housing can be fitted with pin or socket contacts
- · A total of eight contacts are available for signal transmission
- · Reduced connection time with SPEEDCON fast locking system
- · Mechanical coding reliably prevents incorrect connections
- Safe use in the field, thanks to high degree of protection
- Consistent EMC protection for reliable connection solutions in the industrial environment

### Commercial data

Item number	1623331
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB33
Product key	ABRCEB
Catalog page	Page 126 (C-2-2019)
GTIN	4055626194066
Weight per piece (including packing)	450.5 g
Weight per piece (excluding packing)	450.5 g
Customs tariff number	85366990
Country of origin	DE



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# Technical data

Notes	
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Grimp contacts, 8 x Ø 1 mm, 5 x Ø 3.6 mm, order separately aftety note  WARNING: The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.  - WARNING: Commission property inspected for damage. Decommission defective products immediately. Replace damage or products. Repairs are not possible.  - WARNING: Only electrically qualified personnel may install and operate the product. They must observe the following safety notes. The qualified personnel may install and operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics of electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indicates that only personnel familiar with electrical engineering are allowed to install and operate the product.  - The products are suitable for applications in plant, controller, and electrical device engineering.  - When operating the connectors in outdoor applications, they must be separately protected against environmental influences.  - Assembled products may not be manipulated or improperty opened.  - Only use mating connectors that are specified in the technical data of the standards listed (e.g., the ones listed in the product accessories online at phoenixcontact.com/products.).  - When using the product in direct connection with third-party manufacturers, the user is responsible.  - For operating voltages > 50 V AC, conductive connector housings must be grounded  - VDE 01001-97 § 411.1.3.2 and DIN EN 80 204/11.88 § 14.1.3 are applicable when combining several circuits in a cable and/or connector  - Observe the corresponding technical data. You will find information:  - On the product of product and products under the product  - Online at phenoixcontact.com/products under the product  - Online at phenoixcontact confur/products must be observed for this product.  - Use a protective cap to protect connectors that are not in use.  - T		
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	standards.
	<ul> <li>Observe the minimum bending radius of the cable. Lay the cable without twisting it.</li> </ul>
	<ul> <li>The connector warms up in normal operation. Depending on the ambient conditions, the surface of the connector can continue to warm up. In this case, the user is responsible for posting warnings (e.g. DIN EN ISO 13732-1:2008-12).</li> </ul>
Product properties	
Product type	Circular connector (cable-side)
Connector	
Connector	
Connection 1	
Head design	Socket
Insulating body	
Protection against electric shock	IEC 61984
Coding	Signal, coding 1
Connection method	Crimp connection
Contact switching type	Socket
Application	Hybrid
Number of positions	13
Direction of rotation	Standard
Connection profile	8+4+PE
Contact diameter Power contacts	3.6 mm
Litz wire cross-section Power contacts min.	1 mm²
Litz wire cross-section Power contacts max.	16 mm²
Rated current Power contacts	70 A
Note	for max. connection cross section
Rated voltage	630 V AC
Rated surge voltage	6 kV
Overvoltage category	III
Degree of pollution	3
Rated voltage (II/3) power contact	850 V DC
Rated voltage (III/3) power contact	630 V AC
Contact diameter Signal contacts	1 mm
Litz wire cross-section Signal contacts min.	0.06 mm²
Litz wire cross-section Signal contacts max.	1.5 mm²
Nominal current per signal contact	8 A
Note	for max. connection cross section
Rated surge voltage	6 kV
Rated voltage (III/3) signal contact	500 V
Contact diameter Data contacts	1 mm



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Litz wire cross-section Data contacts min.	0.06 mm²
Litz wire cross-section Data contacts max.	1.5 mm²
Rated current per data contact at 25°C	8 A
Note	for max. connection cross section
Rated surge voltage	1.5 kV
Installation height	2000 m

#### Housing

Type of locking SPEEDC  Pg screw connection none	CON
Pg screw connection none	
-	
Degree of protection (plugged in)	9K
Thread type M40	

Seal	
External cable diameter	20.5 mm 26.5 mm
Seal material	FKM

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-40 °C 115 °C (see derating curve)

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