1623688

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PHŒNIX CONTACT

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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 2, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1244942

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	1623688
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	4055626194097
Weight per piece (including packing)	441.4 g
Weight per piece (excluding packing)	441 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

General Orimp contacts, 9 x 0 1 mm, 5 x 0 3.6 mm, order separately Safety note WARNING: The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may domage persons and/or property. • WARNING: Commission properly functioning products only. The products must be regularly inspected for damage. Decommission defective products immediately. Replace damaged products. Repairs are not possible. • WARNING: Converted the product is more than the basics of detertion expression. • WARNING: Converted the product is more than operate the product. The products is may and the basics of detertion expression fermion with the observe the following safety notes. The graduation see subtle to recognize and provent danger. The relevant symbol on the packaging indicates that only personnel familiar with the basics of detertion expression ferminar with electrical engineering and provent danger. The relevant symbol on the packaging indicates that only personnel familiar with electrical engineering and provent danger. The relevant symbol on the packaging indicates that only personnel familiar with electrical engineering and electrical device engineering. • When operating the connectors in autor applications, they must be separately protected against environmental influences. • Assembled products must be anotable. • Assembled products must be anotable. • When operating voltages a so table the indicate data of the standards itseld (e.g. the ones itseld in the product accessories colline at the technical data. You will find influention: • Only use mating connectors that are specified in the technical data of the standards itseld (e.g. the ones itseld in the pro	Notes	
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	standards.
	Observe the minimum bending radius of the cable. Lay the cable without twisting it.
	• 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).
Product properties	
Product type	Circular connector (cable-side)
Connector	
Connection 1	
Head design	Socket
nead design	
Insulating body	
Protection against electric shock	IEC 61984
Coding	Signal, coding 2
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 mm ²
Litz wire cross-section Power contacts max.	16 mm ²
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 mm ²
Litz wire cross-section Signal contacts max.	1.5 mm ²
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



1623688

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Litz wire cross-section Data contacts min.	0.06 mm ²
Litz wire cross-section Data contacts max.	1.5 mm ²
Rated current per data contact at 25°C	8 A
Note	for max. connection cross section
Rated voltage Data contacts	50 V
Rated surge voltage	1.5 kV
Installation height	2000 m
lousing	
Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Type of locking	SPEEDCON
Pg screw connection	none
Degree of protection (plugged in)	IP68/IP69K
Thread type	M40
eal	
External cable diameter	20.5 mm 26.5 mm
	FKM

Environmental and real-life conditions

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

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