PRC 20-CCM 0,5-2,5 - Crimp contact

1468462

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CRIMP



Crimp contact, Range of articles: PRC 20, color: silver, min. conductor cross-section: 0.5 mm^2, max. conductor cross-section: 2.5 mm^2, rated current: 20 A, Connection method: Crimp connection, For assembly notes, please refer to the packing slip

Your advantages

- More space on the device front with current transmission up to 20 A in a minimum amount of space
- Duo-Unlock technology for greater flexibility during installation and maintenance
- Reliable use under extreme ambient conditions with high degrees of protection and impact resistance
- Simple handling with proven crimp or screw connection technology
- Mechanical and color coding for quick and error-free startup

Commercial data

Item number	1468462
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	ABLHZA
Product key	ABLHZA
GTIN	4063151866457
Weight per piece (including packing)	3.83 g
Weight per piece (excluding packing)	3.64 g
Country of origin	DE

Technical data

Notes

Note on application	For assembly notes, please refer to the packing slip

Product properties

Product type	Crimp contact
Product family	PRC 20

Connection data

Contact connection type	Pin
Stripping length of the individual wire	8 mm

Material specifications

Color (Complete item)	silver-colored

Electrical properties

Rated current	20 A (With 2.5 mm² conductor cross-section in accordance with IEC 61535)
	20 A (With 2.5 mm² conductor cross-section in accordance with IEC 61984)
	20 A (With 2.5 mm²/AWG 14, in accordance with UL 2238)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	500

Mechanical tests

Specification	IEC 60512-1-1:2002-02
Requirements, visual check	No defects that impair normal functionality.
Additional text	The values specified apply to all repetitions of the same test within the normative test sequence.

Dimensional examination

Specification	IEC 60512-1-2:2002-02
Requirements	There are releases available for all singleparts for the current revision status.
Specification	IEC 60512-13-2:2006-02
Requirements, insertion and withdrawal forces	No abrasion down to base material
No. of cycles	100

Polarization and coding

Specification	IEC 60512-13-5:2006-02
Insertion force	1,5 x mating force; 80 N max.

Provisions for earthing

Specification	IEC 61984:2008-10
Requirements	A protective contact connects first and disconnects last.

Contact retention in insert

Specification	IEC 60512-15-1:2008-05
Requirements	No axial offset should occur that can affect functions.

Cable clamp resistance to cable pull

Specification	IEC 60512-17-3:2010-06
Requirements	The permissible displacement or twisting must not exceed the values specified in the relevant standards based on the conductor properties.

Cable clamp resistance to cable torsion

Specification	IEC 60512-17-4:2010-06
Requirements	The permissible displacement or twisting must not exceed the values specified in the relevant standards based on the conductor properties.
Requirements, visual check	Loose parts or damage that would impair functionality are not permitted.

Mechanical strength impact

Specification	IEC 60512-7-2:2011-11
Requirements, visual check	Loose parts or damage that would impair functionality are not permitted.

Electrical tests

Specification	IEC 60352-2:2006-02
Connection method	Crimp connections

Impulse withstand voltage

Specification	IEC 60060-1:2010-09
Requirements, dielectric strength	No disruptive charge or sparkover
Additional text	The values specified apply to all repetitions of the same test within the normative test sequence.

Voltage proof

Specification	IEC 60512-4-1:2003-05
Requirements, dielectric strength	No disruptive charge or sparkover
Test voltage	3.31 kV AC
Additional text	The values specified apply to all repetitions of the same test within the normative test sequence.

Environmental and real-life conditions

Temperature rise

Specification	DIN EN 60512-5-1:2003-01 (following)
Requirements	The specified upper limiting temperature must not be exceeded.
Upper limiting temperature	105 °C
Specification	IEC 60512-11-10:2002-02

Requirements, visual check	No damage that can affect the intended use.
Cold stress	-40 °C/2 h
Specification	IEC 60512-11-9:2002-02
Requirements, visual check	No damage that can affect the intended use.
Thermal stress	105 °C/168 h

IP code X8 - continuous immersion

Specification	IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:2013-08
Requirements	Water may not penetrate in a harmful quantity when the housing is submerged in water continuously under conditions to be agreed between the manufacturer and user. However, the conditions must be more stringent than those of digit 7.
Test duration	2 h

Classifications

ECLASS

ECLASS-13.0	27440691
ECLASS-15.0	27440691

ETIM

ETIM 10.0	EC002863

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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