PHŒNIX CONTACT

Contact insert - CUC-INI-C1ZNI-S/R4IP8 - 1421129

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Contact insert, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: Zinc die-cast, connection method: IDC fast connection, connection cross section: AWG 23- 22, cable outlet: straight

Your advantages

- ☑ assembly without special tools
- ☑ One-Piece Design
- ☑ AWG 23-22
- ☑ 360° shielding
- ☑ High shock and vibration resistance

RoHS | IDC | IP20 | Ethernet PROFINET EtherCAT

Key Commercial Data

Packing unit	1 pc
GTIN	4 055626 254685
GTIN	4055626254685
Weight per Piece (excluding packing)	20.000 g
Custom tariff number	85366990
Country of origin	Poland

Technical data

Mechanical characteristics

Connection method	IDC fast connection
Minimum external conductor diameter	5 mm
Maximum external conductor diameter	9 mm
Overvoltage category	I
AWG solid min.	23

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Technical data

Mechanical characteristics

AWG solid max.	22
AWG multi-stranded min.	23
AWG multi-stranded max.	22
Cable outlet	straight
No. of cable outlets	1
Conductor cross section	0.23 mm² ... 0.32 mm² (solid)
	0.23 mm² ... 0.36 mm² (flexible)
Weight	26.6 g
Flammability rating according to UL 94	V0

Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C

Material data

Contact surface material	Gold over nickel
Contact material	Copper alloy
Contact carrier material	PC
Housing material	Zinc die-cast
Width	13.65 mm
Height	43.4 mm
Length	10.5 mm

Electrical characteristics

Number of positions	8
Nominal voltage U_N	48 V
Transmission speed	1 Gbps
Transmission characteristics (category)	CAT5 (IEC 11801:2002)
GRP transmission properties	CAT5 (IEC 11801:2002) CAT5 (IEC 11801:2002)
Transmission speed	1 Gbps
Frequency range	to 100 MHz
Rated current	1.75 A
Overvoltage category	I
Contact resistance	0.001 Ω (Wire – IDC)
	0.005 Ω (Litz wires – IDC)
Rated voltage (III/3)	72 V (DC)

Standards and Regulations

Flammability rating according to UL 94	V0

Environmental Product Compliance

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Technical data

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Classifications

eCl@ss

eCl@ss 10.0.1	27440101
eCl@ss 4.0	27260700
eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
eCl@ss 5.1	27260700
eCl@ss 6.0	27260700
eCl@ss 7.0	27440101
eCl@ss 8.0	27440101
eCl@ss 9.0	27440101

ETIM

ETIM 5.0	EC002636
ETIM 6.0	EC002636
ETIM 7.0	EC002636

UNSPSC

UNSPSC 13.2	39121409
UNSPSC 18.0	39121409
UNSPSC 19.0	39121409
UNSPSC 20.0	39121409
UNSPSC 21.0	39121409

Approvals

Approvals

Approvals

cULus Recognized / EAC

Ex Approvals

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Approvals

Approval details

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E335024-20170228
Nominal voltage UN		56.5 V	
Nominal current IN		0.175 A	

EAC		B.01687

Accessories

Accessories

Data cable by the meter

Network cable - VS-OE-OE-93B-100,0 - 1416389

Network cable, PROFINET CAT5 (100 Mbps), 4-position, PVC, green RAL 6018, shielded, free cable end, on free cable end, cable length: 100 m

Network cable - VS-OE-OE-93B/... - 1417362

Network cable, PROFINET CAT5 (100 Mbps), 4-position, PVC, green RAL 6018, shielded, free cable end, on free cable end, cable length: Free entry (0.5 ... 400 m)

Data plug

RJ45 connector - CUC-V14-C1S-S/R4IP8 - 1407908

RJ45 connector, degree of protection: IP65/IP67, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: Stainless steel 1.4404, connection method: IDC fast connection, connection cross section: AWG 23- 22, cable outlet: straight

PHŒNIX CONTACT

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Accessories

RJ45 connector - CUC-V14-C1ZNI-S/R4P8 - 1422664

Push-pull connector (version 14), die-cast zinc, with RJ45 connector insert, 8-pos., with IDC fast connection technology, for 1 and 7-wire cores, 23 ... 22 AWG, for cable diameter of 5.5 mm ... 10 mm

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RJ45 connector - CUC-V14-C1ZNI-B/R4P8 - 1422665

Push-pull connector (version 14), die-cast zinc, with RJ45 connector insert, 8-pos., with IDC fast connection technology, for 1 and 7-wire cores, 23 ... 22 AWG, for cable diameter of 5.5 mm ... 10 mm

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RJ45 connector - CUC-V14-C1ZNI-T/R4P8 - 1422667

Push-pull connector (version 14), die-cast zinc, with RJ45 connector insert, 8-pos., with IDC fast connection technology, for 1 and 7-wire cores, 23 ... 22 AWG, for cable diameter of 5.5 mm ... 10 mm

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Electronics pliers

Diagonal cutter - MICROFOX-SP-1 - 1212487

Electronic diagonal cutter, tapered head, without chamfer, with opening spring, non-reflective phosphate-treated surface, punched version

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Stripping tool - VS-CABLE-STRIP-VARIO - 1657407

Stripping tool, for the multi-level stripping of shielded cables

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Accessories