VS-PPC-C1-RJ45-MNNA-PG9-4Q5 - RJ45 connector

1608100

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IDC



Push-Pull connector

RJ45 connector, RJ45, PROFINET, CAT5 (100 Mbps), 4-position, connection method: IDC fast connection, material: Metal, connection cross section: AWG 26- 22, degree of protection: IP65/IP67

Commercial data

Item number	1608100
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	ABNOAA
Product key	ABNOAA
GTIN	4046356159944
Weight per piece (including packing)	70.7 g
Weight per piece (excluding packing)	67.04 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Notes

General	This product corresponds to the PROFINET Cabling and Interconnection Technology Guideline for PROFINET regulations, version 3.01, Order No. 2252

Product properties

Product type	Data connector (cable side)
Type	RJ45
Number of positions	4
Connection profile	RJ45 8(4)
No. of cable outlets	1
Shielded	yes
Cable outlet	straight

Insulation characteristics

Overvoltage category	I
Degree of pollution	2

Electrical properties

Rated voltage (III/3)	72 V (DC)
Rated current	1.75 A
Nominal voltage U_N	48 V
Nominal current I_N	1.75 A
Contact resistance	0.001 Ω (Wire – IDC)
	0.005 Ω (Litz wires – IDC)
Transmission medium	Copper
Transmission speed	100 Mbps
Transmission characteristics (category)	CAT5

Connection data

Connection technology

Connection method	IDC fast connection
Connection cross section AWG	26 ... 22 (solid)
	26 ... 22 (flexible)
Conductor cross-section	0.13 mm² ... 0.32 mm² (solid)
	0.14 mm² ... 0.36 mm² (flexible)

Interfaces

Signal type/category	PROFINET CAT5 (IEC 11801:2002), 100 Mbps

Dimensions

Width	22 mm

Height	30 mm
Length	72 mm

Material specifications

Material	Metal
Flammability rating according to UL 94	V0
Seal material, O-ring	NBR
Seal material cable seal	TPE
Seal material	NBR
Seal material, pin connector pattern	NBR
Housing material	Metal
Housing surface material	nickel-plated
Cable seal material	TPE
Contact material	Cu/Sn
Contact surface material	Au/Ni
Contact carrier material	PC
O-ring material	NBR
Material for screw connection	CuZn

Cable/line

External cable diameter	5 mm ... 8 mm
External cable diameter	5 mm ... 8 mm

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65/IP67
Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Ambient temperature (assembly)	-5 °C ... 45 °C

Standards and regulations

Standards/specifications	IEC PAS 61076-3-117

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/1608100

cUL Recognized
Approval ID: E118976

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
Only rigid conductors	50 V	1.75 A	- 22	-

UL Recognized
Approval ID: E118976

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Only rigid conductors	50 V	1.75 A	- 22	-

Classifications

ECLASS

ECLASS-13.0	27440290
ECLASS-15.0	27440114

ETIM

ETIM 10.0	EC001121

UNSPSC

UNSPSC 21.0	39121400

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.)	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol(CAS: 119-47-1)
	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)(CAS: 3147-75-9)
SCIP	d028ebf0-0bfe-45d2-b396-ffe850e494e5

EF3.1 Climate Change

CO2e kg	1.249 kg CO2e

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