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

1608126

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IDC



RJ45 connector, RJ45, Ethernet, CAT5 (IEC 11801:2002) (100 Mbps), 4-position, connection method: IDC fast connection, material: Plastic, connection cross section: AWG 26- 22, degree of protection: IP65/IP67, color: black

Commercial data

Item number	1608126
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB17
Product key	ABNOAA
GTIN	4046356159968
Weight per piece (including packing)	32.7 g
Weight per piece (excluding packing)	31.8 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 2.00, order no: 2.252, Chapter 8.2 Connectors for Outside Environment (Balanced cabling) and chapter 13 Application specific Cabling and Interconnection Technology (AIDA)

Product properties

Product type	Data connector (cable side)
Type	RJ45
Number of positions	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 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	Ethernet CAT5 (IEC 11801:2002), 100 Mbps

Dimensions

Width	22 mm
Height	30 mm
Length	70 mm

Material specifications

Color	black
Material	Plastic
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	Plastic
Cable seal material	TPE
Contact material	CuSn
Contact surface material	Au/Ni
Contact carrier material	PC
O-ring material	NBR
Material for screw connection	PA
Outer sheath, material	PVC
Conductor material	Tin-plated Cu litz wires

Cable/line

Cable structure	1x4xAWG22/7, SF/TQ
External cable diameter	5 mm ... 8 mm
Outer sheath, material	PVC
Cable cross section	0.4 mm²
Conductor material	Tin-plated Cu litz wires

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65/IP67
Ambient temperature (operation)	-10 °C ... 60 °C

Standards and regulations

Standards/specifications	IEC PAS 61076-3-117

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1608126

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	EC002636

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	82bdb982-2f5a-4549-9e34-1808262756ae

EF3.1 Climate Change

CO2e kg	1.216 kg CO2e

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com