

PLC-V8/D15B/IN - System connection



2296087

<https://www.phoenixcontact.com/us/products/2296087>

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V8 adapter for 8 x PLC-INTERFACE (6.2 mm), controller: PLC system cabling of input cards, connection 1: D-SUB socket strip 1x 15-position, connection 2: Plug-in connection (Can be snapped onto 8x PLC-INTERFACE terminals), connection 3: Screw connection 1x 2-position, number of channels: 8, control logic: plusschaltend

Commercial data

Item number	2296087
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C421
Product key	CK21C2
Catalog page	Page 427 (C-5-2019)
GTIN	4017918189136
Weight per piece (including packing)	110.68 g
Weight per piece (excluding packing)	110.68 g
Customs tariff number	85369010
Country of origin	DE

Technical data

Product properties

Product type	Interface module
Product family	PLC-INTERFACE
Number of positions	15
No. of channels	8

Insulation characteristics

Insulation	Functional insulation
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Insulation characteristics: Air clearances and creepage distances

Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

Electrical properties

Operating voltage range	18 V DC ... 33.6 V DC
Current (per branch)	≤ 1 A
Current (Power supply)	≤ 3 A

Air clearances and creepage distances

Rated insulation voltage	50 V
Rated surge voltage	0.5 kV (1.2/50 µs)

Supported controller HONEYWELL Experion PKS C300/C-Series

Suitable I/O card	TDIL01 (non-redundant)
	TDIL11 (redundant)

Connection data

Connection 1 (control level)

Connection in acc. with standard	IEC 60807-2
Connection method	D-SUB socket strip
Screw thread	UNC 4-40
Number of connections	1
Number of positions	15
Insertion/withdrawal cycles	> 500
Pitch	2.74 mm

Connection 2 (field level)

Connection method	Plug-in connection
Note	Can be snapped onto 8x PLC-INTERFACE terminals

Connection 3 (supply)

Connection method	Screw connection
Stripping length	8 mm

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Screw thread	M3
Number of connections	1
Number of positions	2
Conductor cross section rigid	0.2 mm ² ... 4 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section AWG	24 ... 12

Signaling

Status display present	Yes
Operating voltage display	Green LED

Dimensions

Item dimensions

Width	49.93 mm
Height	41 mm
Depth	49.81 mm

Material specifications

Color	gray (RAL 7042)
Flammability rating according to UL 94	V0
Housing insulation material	Polyamide 6.6 green

Environmental and real-life conditions

Ambient conditions

Degree of protection (Module)	IP20
Degree of protection (Installation location)	≥ IP54
Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Altitude	≤ 2000 m

Approvals

CE

Certificate	CE-compliant
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UKCA

Certificate	UKCA-compliant
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UL, USA/Canada

Identification	Class I, Div. 2, Groups A, B, C, D T4
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UL, Canada

Identification	Class I, Zone 2, Ex ec IIC Gc T4 X
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UL, USA

Identification	Class I, Zone 2, AEx ec IIC T4
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Shipbuilding approval

Certificate	TAE0000196
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DNV GL data

Temperature	D
Humidity	A
Vibration	C
EMC	B
Enclosure	Required protection according to the Rules shall be provided upon installation on board

EMC data

Low Voltage Directive	Conformance with Low Voltage Directive
Electromagnetic compatibility	Conformance with EMC directive

Standards and regulations

Air clearances and creepage distances

Standards/regulations	EN IEC 60664-1
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Mounting

Mounting type	Plug-on assembly
Assembly instructions	in rows with zero spacing
Mounting position	any

Notes

General	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.
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Classifications

ECLASS

ECLASS-11.0	27141152
ECLASS-12.0	27141152
ECLASS-13.0	27141152

ETIM

ETIM 9.0	EC002780
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

REACH SVHC	Lead 7439-92-1
	Hexahydromethylphthalic anhydride
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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