

BL2-2,54/16-ST - Power plug

1281276

<https://www.phoenixcontact.com/us/products/1281276>



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Power connector for DIN rail bus connector with 16 free cable ends with a cross section of 0.25 mm², 500 mm long, female contacts

Commercial data

Item number	1281276
Packing unit	100 pc
Minimum order quantity	50 pc
Sales key	AC10
Product key	ACHBBZ
GTIN	4063151479817
Weight per piece (including packing)	34.59 g
Weight per piece (excluding packing)	34 g
Customs tariff number	85444290
Country of origin	TW

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Technical data

Product properties

Product type	Cable set
Product family	HBUS16
Number of positions	16
Pitch	2.54 mm
Pin layout	Linear pinning

Electrical properties

Properties

Nominal current I_N	3 A (Total current of 25 A max.)
Rated voltage (III/3)	48 V
Rated surge voltage (III/3)	0.8 kV
Rated voltage (III/2)	48 V
Rated surge voltage (III/2)	0.8 kV
Rated surge voltage (II/2)	0.8 kV

Connection data

Maximum load current	3 A (maximum total current 23 A)
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Dimensions

Pitch	2.54 mm
Length [l]	500 mm

Material specifications

Material data - contact	
Contact material	Cu alloy

Material data - housing	
Color (Housing)	black (9005)
Insulating material	Nylon
Flammability rating according to UL 94	V0

Connector

Connection 1	
Insulating material	Nylon

Electrical tests

Air clearances and creepage distances	
Specification	IEC 60664-1:2007-04
Rated insulation voltage (III/3)	48 V

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Rated surge voltage (III/3)	0.8 kV
Rated insulation voltage (III/2)	48 V
Rated surge voltage (III/2)	0.8 kV
Rated surge voltage (II/2)	0.8 kV

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-25 °C ... 90 °C
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Mounting

Pin layout	Linear pinning
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Packaging specifications

Type of packaging	PE bag
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Approvals

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cULus Recognized		Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine		30 V	2 A	-	-

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Classifications

ECLASS

ECLASS-13.0	27460202
ECLASS-15.0	27460202

ETIM

ETIM 9.0	EC002638
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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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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