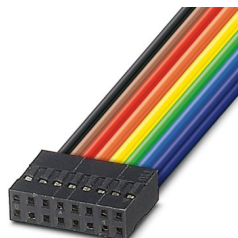


BL2-2,54/16-ST - Power plug

1281276

<https://www.phoenixcontact.com/pc/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	1 pc
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
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Material data - housing

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

Connector

Connection 1

Insulating material	Nylon
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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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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

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/1281276>

 cULus Recognized Approval ID: E118976-20090923				
	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 10.0	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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