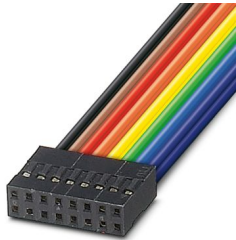


# BL2-2,54/16-ST - Power plug

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 mm<sup>2</sup>, 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
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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/us/products/1281276>

 <b>cULus Recognized</b> Approval ID: E118976-20090923				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
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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