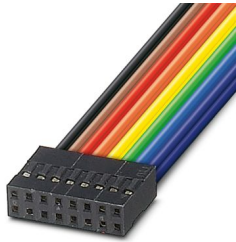


BL2-2,54/16-ST - Power plug

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) |
|----------------------|----------------------------------|

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 |
|---------------------------------|------------------|

Ambient conditions

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

Mounting

| | |
|------------|----------------|
| Pin layout | Linear pinning |
|------------|----------------|

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>

|  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 |
|-----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

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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.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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