



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Relay socket - PLC-BPT-TTL/1 - 2900458

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



6.2 mm PLC basic terminal block for TTL signal with push-in connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, 1 N/O contact, input voltage TTL (5 V DC)

The figure shows a version with a screw connection

Product Features

- 6.2 mm narrow design width
- Screw and spring-cage connection
- RT III protection
- Safe isolation according to EN 50178 (VDE 0160)
- Bridging options
- 4 kVrms electrical isolation between coil and contact
- Status indicator



Key commercial data

| | |
|--------------------------------------|----------|
| Packing unit | 1 pc |
| Weight per Piece (excluding packing) | 26.0 GRM |
| Custom tariff number | 85369010 |
| Country of origin | Germany |

Technical data

Note

| | |
|-------------------------|---|
| Utilization restriction | EMC: class A product, see manufacturer's declaration in the download area |
|-------------------------|---|

Dimensions

| | |
|--------|--------|
| Width | 6.2 mm |
| Height | 80 mm |

Relay socket - PLC-BPT-TTL/1 - 2900458

Technical data

Dimensions

| | |
|-------|-------|
| Depth | 94 mm |
|-------|-------|

Ambient conditions

| | |
|---|------------------|
| Ambient temperature (operation) | -20 °C ... 60 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |

Input data

| | |
|---|--------------|
| Rated control supply voltage U_S | 5 V DC |
| Voltage range with reference to U_S | 0.9 ... 1.2 |
| Rated control supply current I_S | 41 mA |
| Rated actuating voltage U_C | 5 V DC (TTL) |
| Voltage range with reference to U_C | 0.9 ... 1.2 |
| Rated actuating current I_C | 2.5 mA |
| Rated actuating voltage U_C | 5 V DC (TTL) |
| Rated actuating current I_C | 2.5 mA |
| Rated control supply voltage U_S | 5 V DC |
| Voltage range with reference to U_S | 0.9 ... 1.2 |
| Rated control supply current I_S | 11.5 mA |
| Switching level 1 signal ("H") (TTL signal) | > 2 V DC |
| Switching level 0 signal ("L") (TTL signal) | < 0.8 V DC |
| Nominal input voltage U_N | 5 V DC (TTL) |
| Surge voltage protection | > 6.5 V |
| Transmission frequency | 1000 Hz |
| Surge voltage protection | > 6.5 V |

Connection data

| | |
|--|----------------------|
| Conductor cross section solid min. | 0.14 mm ² |
| Conductor cross section solid max. | 2.5 mm ² |
| Conductor cross section stranded min. | 0.14 mm ² |
| Conductor cross section stranded max. | 2.5 mm ² |
| Conductor cross section AWG/kcmil min. | 26 |
| Conductor cross section AWG/kcmil max | 14 |
| Connection method | Push-in connection |
| Stripping length | 8 mm |

General

| | |
|---|-----------------------|
| Color | green |
| Operating mode | 100% operating factor |
| Inflammability class according to UL 94 | V0 |

Relay socket - PLC-BPT-TTL/1 - 2900458

Technical data

General

| | |
|-----------------------|---------------------------|
| Mounting position | any |
| Assembly instructions | In rows with zero spacing |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27371001 |
| eCl@ss 4.1 | 27371001 |
| eCl@ss 5.0 | 27371603 |
| eCl@ss 5.1 | 27371603 |
| eCl@ss 6.0 | 27371603 |
| eCl@ss 7.0 | 27371603 |
| eCl@ss 8.0 | 27371603 |

ETIM

| | |
|----------|----------|
| ETIM 4.0 | EC001456 |
| ETIM 5.0 | EC001456 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211917 |
| UNSPSC 7.0901 | 39121516 |
| UNSPSC 11 | 39121516 |
| UNSPSC 12.01 | 39121516 |
| UNSPSC 13.2 | 39121516 |

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / cULus Recognized

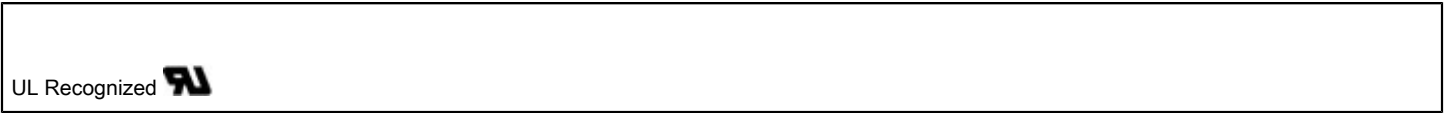
Ex Approvals

Approvals submitted

Relay socket - PLC-BPT-TTL/1 - 2900458

Approvals

Approval details



Accessories

Accessories

Bridge

Continuous plug-in bridge - FBST 500-PLC RD - 2966786



Continuous plug-in bridge, Length: 500 mm, Color: red

Continuous plug-in bridge - FBST 500-PLC BU - 2966692



Continuous plug-in bridge, Length: 500 mm, Color: blue

Continuous plug-in bridge - FBST 500-PLC GY - 2966838



Continuous plug-in bridge, Length: 500 mm, Color: gray

Relay socket - PLC-BPT-TTL/1 - 2900458

Accessories

Single plug-in bridge - FBST 6-PLC RD - 2966236



Single plug-in bridge, Length: 6 mm, Number of positions: 2, Color: red

Single plug-in bridge - FBST 6-PLC BU - 2966812



Single plug-in bridge, Length: 6 mm, Number of positions: 2, Color: blue

Single plug-in bridge - FBST 6-PLC GY - 2966825



Single plug-in bridge, Length: 6 mm, Number of positions: 2, Color: gray

Single plug-in bridge - FBST 8-PLC GY - 2967688



Single plug-in bridge, Length: 8 mm, Number of positions: 2, Color: gray

Labeled terminal marker

Zack marker strip - ZB 6,LGS:FORTL.ZAHLEN - 1051016



Zack marker strip, Strip, white, labeled, can be labeled with: Plotter, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 491 - 500, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

Relay socket - PLC-BPT-TTL/1 - 2900458

Accessories

Mounting rail

DIN rail, unperforated - NS 35/ 7,5 V2A UNPERF 2000MM - 0801377



DIN rail, unperforated, Width: 35 mm, Height: 7.5 mm, Length: 2000 mm, Color: silver

DIN rail perforated - NS 35/ 7,5 PERF 2000MM - 0801733



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 7.5 mm, width 35 mm, length: 2000 mm

DIN rail, unperforated - NS 35/ 7,5 CU UNPERF 2000MM - 0801762



DIN rail, material: Copper, unperforated, height 7.5 mm, width 35 mm, length: 2 m

DIN rail, unperforated - NS 35/15 UNPERF 2000MM - 1201714



DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m

DIN rail, unperforated - NS 35/15 CU UNPERF 2000MM - 1201895



DIN rail, material: Copper, unperforated, 1.5 mm thick, height 15 mm, width 35 mm, length: 2 m

Relay socket - PLC-BPT-TTL/1 - 2900458

Accessories

DIN rail, unperforated - NS 35/15-2,3 UNPERF 2000MM - 1201798



DIN rail, material: Steel, unperforated, 2.3 mm thick, height 15 mm, width 35 mm, length: 2 m

DIN rail, unperforated - NS 35/15 AL UNPERF 2000MM - 1201756



DIN rail, deep drawn, high profile, unperforated, 1.5 mm thick, material: aluminum, height 15 mm, width 35 mm, length 2000 mm

DIN rail perforated - NS 35/15 PERF 2000MM - 1201730



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 15 mm, width 35 mm, length: 2000 mm

DIN rail, unperforated - NS 35/ 7,5 UNPERF 2000MM - 0801681



DIN rail, material: Steel, unperforated, height 7.5 mm, width 35 mm, length: 2 m

Partition plate

Separating plate - PLC-ATP BK - 2966841



Separating plate, 2 mm thick, required at the start and end of a PLC terminal strip. Furthermore, it is used for: visual separation of groups, safe isolation of different voltages of neighboring PLC relays in acc. with DIN VDE 0106-101, isolation

Relay socket - PLC-BPT-TTL/1 - 2900458

Accessories

Power module

Power terminal block - PLC-ESK GY - 2966508



Power terminal block, for the input of up to four potentials, for mounting on NS 35/7.5

Screwdriver tools

Screwdriver - SZF 1-0,6X3,5 - 1204517



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

Terminal marking

Zack marker strip - ZB 6:UNBEDRUCKT - 1051003



Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

Zack marker strip - ZB 6/WH-100:UNBEDRUCKT - 5060935



Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

Required add-on products

Relay socket - PLC-BPT-TTL/1 - 2900458

Accessories

Single relay - REL-MR 4,5DC/21AU - 2961370



Plug-in miniature power relay, with multi-layer gold contact, 1 PDT, input voltage 4.5 V DC

Single relay - REL-MR- 4,5DC/21 - 2961367



Plug-in miniature power relay, with power contact, 1 PDT, input voltage 4.5 V DC

Miniature solid-state relay - OPT- 5DC/ 48DC/100 - 2967992



Plug-in miniature solid-state relay, input solid-state relay, 1 N/O contact, input voltage: 5 V DC

Miniature solid-state relay - OPT- 5DC/ 24DC/ 2 - 2967989

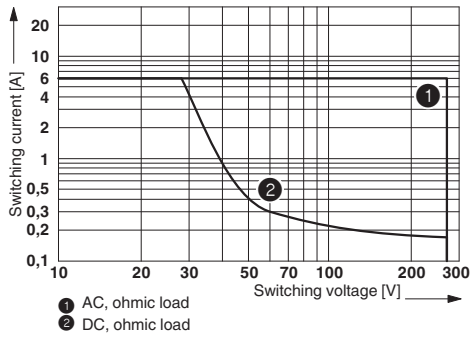


Plug-in miniature solid-state relay, power solid-state relay, 1 N/O contact, input voltage: 5 V DC

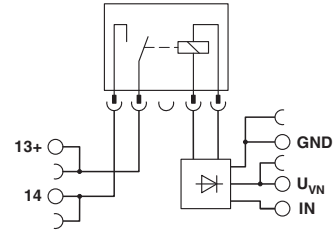
Drawings

Relay socket - PLC-BPT-TTL/1 - 2900458

Diagram



Circuit diagram



Max. interrupting rating

Circuit diagram

