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

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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

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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 mm²
Conductor cross section solid max.	2.5 mm²
Conductor cross section stranded min.	0.14 mm²
Conductor cross section stranded max.	2.5 mm²
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

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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

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Approvals

Approval details

UL Recognized

cUL Recognized

cULus Recognized

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

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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

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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

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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

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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

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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

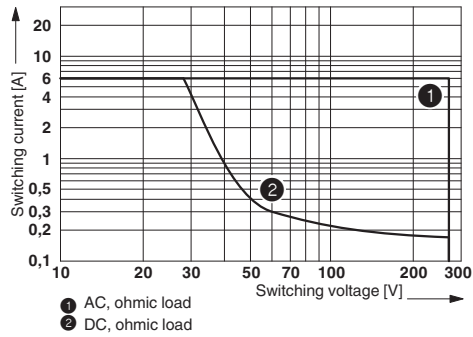Miniature solid-state relay - OPT- 5DC/ 24DC/ 2 - 2967989

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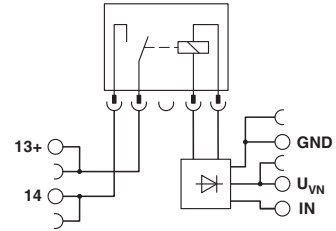
Drawings

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Diagram

❶ AC, ohmic load
❷ DC, ohmic load

Max. interrupting rating

Circuit diagram

Circuit diagram