

PLC-V8/D15S/OUT - System connection



2296058

<https://www.phoenixcontact.com/us/products/2296058>

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V8 adapter for 8 x PLC-INTERFACE (6.2 mm), controller: PLC system cabling of output cards, connection 1: D-SUB pin strip 1x 15-position, connection 2: Plug-in connection (Can be snapped onto 8x PLC-INTERFACE terminals), connection 3: Screw connection 1x 2-position, number of channels: 8, control logic: plusschaltend

Commercial data

Item number	2296058
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C421
Product key	CK21C2
Catalog page	Page 427 (C-5-2019)
GTIN	4017918189105
Weight per piece (including packing)	109.8 g
Weight per piece (excluding packing)	50 g
Customs tariff number	85369010
Country of origin	DE

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Technical data

Product properties

Product type	Interface module
Product family	PLC-INTERFACE
Number of positions	15
No. of channels	8

Insulation characteristics

Insulation	Functional insulation
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Insulation characteristics: Air clearances and creepage distances

Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

Electrical properties

No. of channels	8
Operating voltage range	18 V DC ... 33.6 V DC
Current (per branch)	≤ 1 A
Current (Power supply)	≤ 3 A

Air clearances and creepage distances

Rated insulation voltage	50 V
Rated surge voltage	0.5 kV (1.2/50 µs)

Supported controller universal

Suitable I/O card	universal
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Connection data

Connection 1 (control level)

Connection in acc. with standard	IEC 60807-2
Connection method	D-SUB pin strip
Screw thread	UNC 4-40
Number of connections	1
Number of positions	15
Insertion/withdrawal cycles	> 500
Pitch	2.74 mm

Connection 2 (field level)

Connection method	Plug-in connection
Note	Can be snapped onto 8x PLC-INTERFACE terminals

Connection 3 (supply)

Connection method	Screw connection
Stripping length	8 mm

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Screw thread	M3
Number of connections	1
Number of positions	2
Conductor cross section rigid	0.2 mm² ... 4 mm²
Conductor cross section flexible	0.2 mm² ... 2.5 mm²
Conductor cross section AWG	24 ... 12

Signaling

Status display present	Yes
Operating voltage display	Green LED

Dimensions

Item dimensions

Width	49.92 mm
Height	41 mm
Depth	49.86 mm

Material specifications

Flammability rating according to UL 94	V0
Housing insulation material	Polyamide 6.6 green

Environmental and real-life conditions

Ambient conditions

Degree of protection (Module)	IP20
Degree of protection (Installation location)	≥ IP54
Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Altitude	≤ 2000 m

Approvals

UL, USA/Canada

Identification	Class I, Div. 2, Groups A, B, C, D T4
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UL, Canada

Identification	Class I, Zone 2, Ex nA IIC Gc T4 X
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UL, USA

Identification	Class I, Zone 2, AEx nA IIC T4
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Shipbuilding approval

Certificate	TAE0000196
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DNV GL data

Temperature	D
Humidity	A

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Vibration	C
Enclosure	Required protection according to the Rules shall be provided upon installation on board

Standards and regulations

Air clearances and creepage distances

Standards/regulations	EN IEC 60664-1
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Mounting

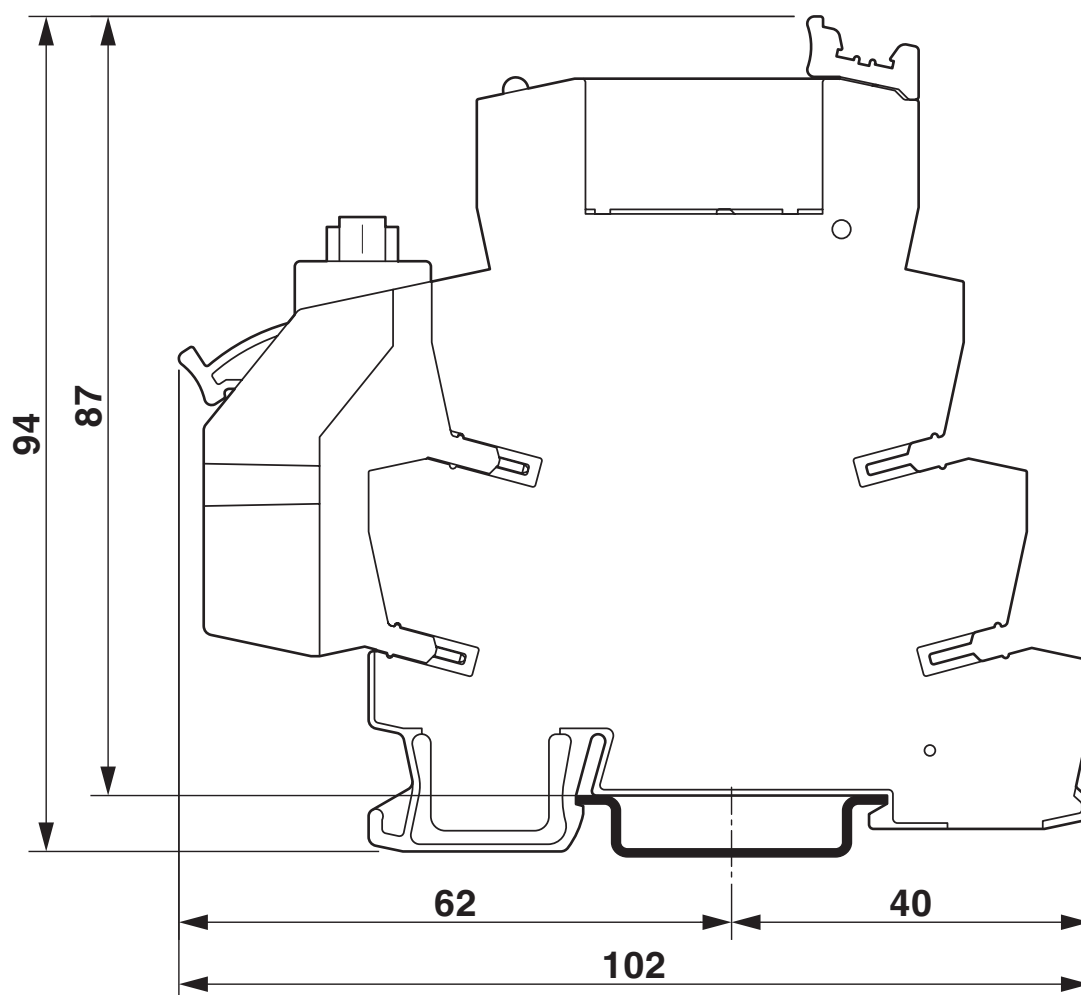
Mounting type	Plug-on assembly
Assembly instructions	in rows with zero spacing
Mounting position	any

Notes

General	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.
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Drawings

Dimensional drawing



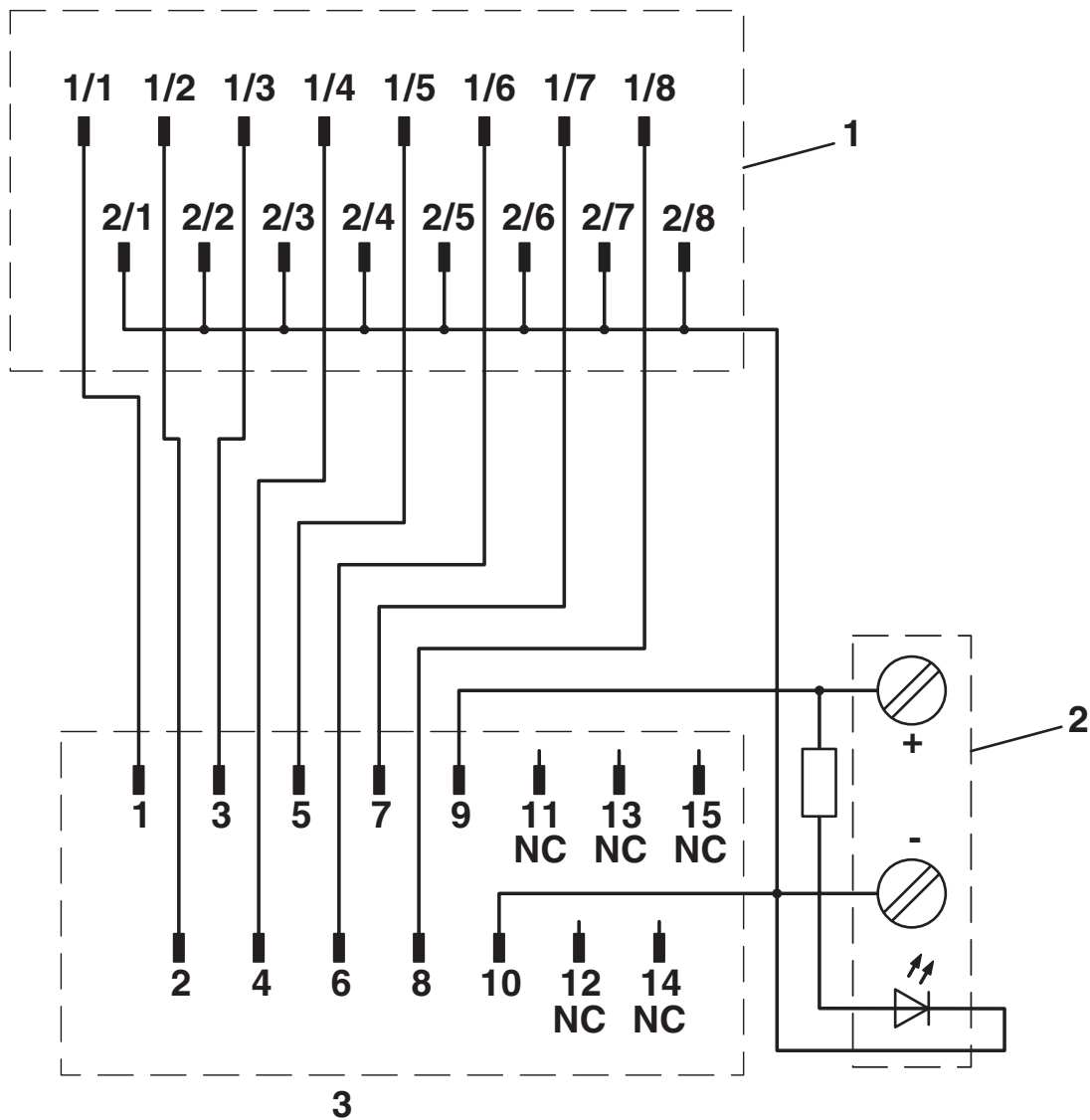
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Circuit diagram



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Approvals


To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2296058>

 cUL Recognized Approval ID: FILE E 238705				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	24 V	1 A	-	-

 UL Recognized Approval ID: FILE E 238705				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	24 V	1 A	-	-

 DNV GL Approval ID: TAE0000196				
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 UL Listed Approval ID: FILE E 172140				
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 cUL Listed Approval ID: FILE E 172140				
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 cUL Listed Approval ID: FILE E 199827				
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 UL Listed Approval ID: FILE E 199827				
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Classifications

ECLASS

ECLASS-11.0	27141152
ECLASS-12.0	27141152
ECLASS-13.0	27141152

ETIM

ETIM 8.0	EC002780
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

REACH SVHC	Lead 7439-92-1
	Hexahydromethylphthalic anhydride
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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Mandatory accessories

PLC-RPT- 24DC/21 - Relay Module

2900299

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PLC-INTERFACE, consisting of PLC-BPT.../21 basic terminal block with Push-in connection and plug-in miniature relay with power contact, for mounting on NS 35/7,5 DIN rail, 1 changeover contact, input voltage 24 V DC

PLC-RSC- 24DC/21 - Relay Module

2966171

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PLC-INTERFACE, consisting of basic terminal block PLC-BSC.../21 with screw connection and plug-in miniature relay with power contact, for assembly on DIN rail NS 35/7,5, 1 changeover contact, input voltage 24 V DC

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PLC-RPT- 24DC/21AU - Relay Module

2900306

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PLC-INTERFACE, consisting of PLC-BPT.../21 basic terminal block with Push-in connection and plug-in miniature relay with multi-layer gold contact, for mounting on DIN rail NS 35/7,5, 1 changeover contact, input voltage 24 V DC

PLC-RSC- 24DC/21AU - Relay Module

2966265

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PLC-INTERFACE, consisting of PLC-BSC.../21 basic terminal block with screw connection and plug-in miniature relay with multi-layer gold contact, for mounting on DIN rail NS 35/7,5, 1 changeover contact, input voltage 24 V DC

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PLC-RPT- 24UC/21AU - Relay Module

2900307

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PLC-INTERFACE, consisting of PLC-BPT.../21 basic terminal block with Push-in connection and plug-in miniature relay with multi-layer gold contact, for mounting on DIN rail NS 35/7,5, 1 changeover contact, input voltage 24 V AC/DC

PLC-RSC- 24UC/21AU - Relay Module

2966278

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PLC-INTERFACE, consisting of PLC-BSC.../21 basic terminal block with screw connection and plug-in miniature relay with multi-layer gold contact, for mounting on DIN rail NS 35/7,5, 1 changeover contact, input voltage 24 V AC/DC

PLC-V8/D15S/OUT - System connection



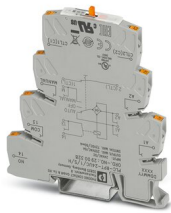
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PLC-RPT- 24UC/ 1/S/H - Switch

2900328

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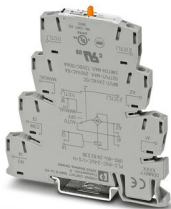


PLC-INTERFACE with switch (operation by hand) and integrated power contact relay for the "Manual, Zero and Automatic" functions, with push-in connection, for mounting on DIN rail NS 35/7.5, one N/O contact, input voltage 24 V AC/DC

PLC-RSC- 24UC/ 1/S/H - Switch

2982236

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PLC-INTERFACE with switch (operation by hand) for the "Manual, Zero, and Automatic" functions, with screw connection and integrated power contact relay, for mounting on DIN rail NS 35/7,5, 1 N/O contact, input voltage 24 V AC/DC

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PLC-OPT- 24DC/ 24DC/2 - Solid-state relay module

2900364

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PLC-INTERFACE, consisting of PLC-BPT.../21 basic terminal block with push-in connection and plug-in miniature solid-state relay, for mounting on DIN rail NS 35/7,5, 1 N/O contact, input: 24 V DC, output: 3 - 33 V DC/3 A

PLC-OSC- 24DC/ 24DC/ 2 - Solid-state relay module

2966634

<https://www.phoenixcontact.com/us/products/2966634>



PLC-INTERFACE, consisting of PLC-BSC.../21 basic terminal block with screw connection and plug-in miniature solid-state relay, for mounting on DIN rail NS 35/7,5, 1 N/O contact, input: 24 V DC, output: 3 - 33 V DC/3 A

PLC-V8/D15S/OUT - System connection



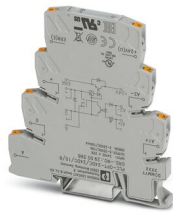
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PLC-OPT- 24DC/ 24DC/10/R - Solid-state relay module

2900398

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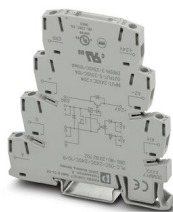


PLC-INTERFACE with confirmation contact, consisting of basic terminal block with push-in connection and integrated miniature solid-state relay, for mounting on DIN rail NS 35/7,5, 1 N/O contact, input: 24 V DC, output: 3 - 33 V DC/10 A

PLC-OSC- 24DC/ 24DC/ 10/R - Solid-state relay module

2982702

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PLC-INTERFACE with checkback contact, consisting of basic terminal block with screw connection and integrated miniature solid-state relay, for mounting on DIN rail NS 35/7,5, 1 N/O contact, input: 24 V DC, output: 3 ... 33 V DC/10 A

PLC-V8/D15S/OUT - System connection



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PLC-OPT- 24DC/230AC/1 - Solid-state relay module

2900369

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PLC-INTERFACE, consisting of PLC-BPT.../21 basic terminal block with push-in connection and plug-in miniature solid-state relay, for mounting on DIN rail NS 35/7,5, 1 N/O contact, input: 24 V DC, output: 24 - 253 V AC/0.75 A

PLC-OSC- 24DC/230AC/ 1 - Solid-state relay module

2967840

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PLC-INTERFACE, consisting of PLC-BSC.../21 basic terminal block with screw connection and plug-in miniature solid-state relay, for mounting on DIN rail NS 35/7,5, 1 N/O contact, input: 24 V DC, output: 24 - 253 V AC/0.75 A

PLC-V8/D15S/OUT - System connection



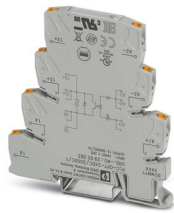
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PLC-OPT- 24DC/300DC/1 - Solid-state relay module

2900383

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PLC-INTERFACE, integrated solid-state relay, with push-in connection, for mounting on NS 35/7,5 DIN rails, input: 24 V DC, output: 12 - 300 V DC/1 A

PLC-OSC- 24DC/300DC/ 1 - Solid-state relay module

2980678

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PLC-INTERFACE, integrated solid-state relay, with screw connection, for mounting on NS 35/7,5 DIN rails, input: 24 V DC, output: 12 - 300 V DC/1 A

PLC-V8/D15S/OUT - System connection



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PLC-OPT- 24DC/ 48DC/100 - Solid-state relay module

2900352

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PLC-INTERFACE, consisting of PLC-BPT.../21 basic terminal block with push-in connection and plug-in miniature solid-state relay, for mounting on DIN rail NS 35/7,5, 1 N/O contact, input: 24 V DC, output: 3 - 48 V DC/100 mA

PLC-OSC- 24DC/ 48DC/100 - Solid-state relay module

2966728

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PLC-INTERFACE, consisting of PLC-BSC.../21 basic terminal block with screw connection and plug-in miniature solid-state relay, for mounting on DIN rail NS 35/7,5, 1 N/O contact, input: 24 V DC, output: 3 - 48 V DC/100 mA

PLC-V8/D15S/OUT - System connection



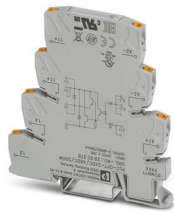
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PLC-OPT- 24DC/ 48DC/500/W - Solid-state relay module

2900378

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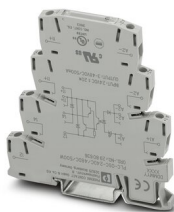


PLC-INTERFACE with electronic changeover contact, consisting of PLC-BPT.../21 basic terminal block with Push-in connection and integrated miniature solid-state relay, for mounting on DIN rail NS 35/7,5, 1 changeover contact, input: 24 V DC, output: 3-48 V DC/500 mA

PLC-OSC- 24DC/ 48DC/500/W - Solid-state relay module

2980636

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PLC-INTERFACE with electronic changeover contact, consisting of PLC-BSC.../21 basic terminal block with screw connection and integrated miniature solid-state relay, for mounting on NS 35/7,5 DIN rail, 1 changeover contact, input: 24 V DC, output: 3 V DC ... 48 V DC/500 mA

PLC-V8/D15S/OUT - System connection



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PLC-VT - Feed-through terminal block

2296870

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VARIOFACE feed-through terminal block (2-conductor screw connection), for PLC-INTERFACE universal series

PLC-VT/LA - Feed-through terminal block

2296854

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VARIOFACE feed-through terminal block (2-conductor screw connection), for PLC-INTERFACE universal series, with 24 V DC LED display

PLC-V8/D15S/OUT - System connection



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PLC-RPT- 24DC/ 1/ACT - Relay Module

2900312

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PLC-INTERFACE for output functions, consisting of PLC-BPT.../ACT basic terminal block with push-in connection and plug-in miniature relay with power contact, for mounting on DIN rail NS 35/7,5, 1 N/O contact, input voltage 24 V DC

PLC-RSC- 24DC/ 1/ACT - Relay Module

2966210

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PLC-INTERFACE for output functions, consisting of PLC-BSC.../ACT basic terminal block with screw connection and plug-in miniature relay with power contact, for mounting on DIN rail NS 35/7,5, 1 N/O contact, input voltage 24 V DC

PLC-V8/D15S/OUT - System connection



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PLC-OPT- 24DC/ 24DC/2/ACT - Solid-state relay module

2900376

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PLC-INTERFACE for output functions, consisting of PLC-BPT.../ACT basic terminal block with push-in connection and plug-in miniature solid-state relay, for mounting on DIN rail NS 35/7,5, 1 N/O contact, input: 24 V DC, output: 3 - 33 V DC/3 A

PLC-OSC- 24DC/ 24DC/ 2/ACT - Solid-state relay module

2966676

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PLC-INTERFACE for output functions, consisting of PLC-BSC.../ACT basic terminal block with screw connection and plug-in miniature solid-state relay, for mounting on DIN rail NS 35/7,5, 1 N/O contact, input: 24 V DC, output: 3 - 33 V DC/3 A

PLC-V8/D15S/OUT - System connection



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PLC-OSC- 24DC/230AC/ 1/ACT - Solid-state relay module

2967947

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PLC-INTERFACE for output functions, consisting of PLC-BSC.../ACT basic terminal block with screw connection and plug-in miniature solid-state relay, for mounting on DIN rail NS 35/7,5, 1 N/O contact, input: 24 V DC, output: 24 ... 253 V AC/0.75 A

PLC-VT/ACT - Feed-through terminal block

2295567

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VARIOFACE feed-through terminal block (3-conductor screw connection), for PLC-INTERFACE actuator series

PLC-V8/D15S/OUT - System connection



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PLC-VT/ACT/LA - Feed-through terminal block

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VARIOFACE feed-through terminal block (3-conductor screw connection), for PLC-INTERFACE actuator series, with 24 V DC LED display

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