

# 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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2296058

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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

# PLC-V8/D15S/OUT - System connection



2296058

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Screw thread	M3
Number of connections	1
Number of positions	2
Conductor cross section rigid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
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

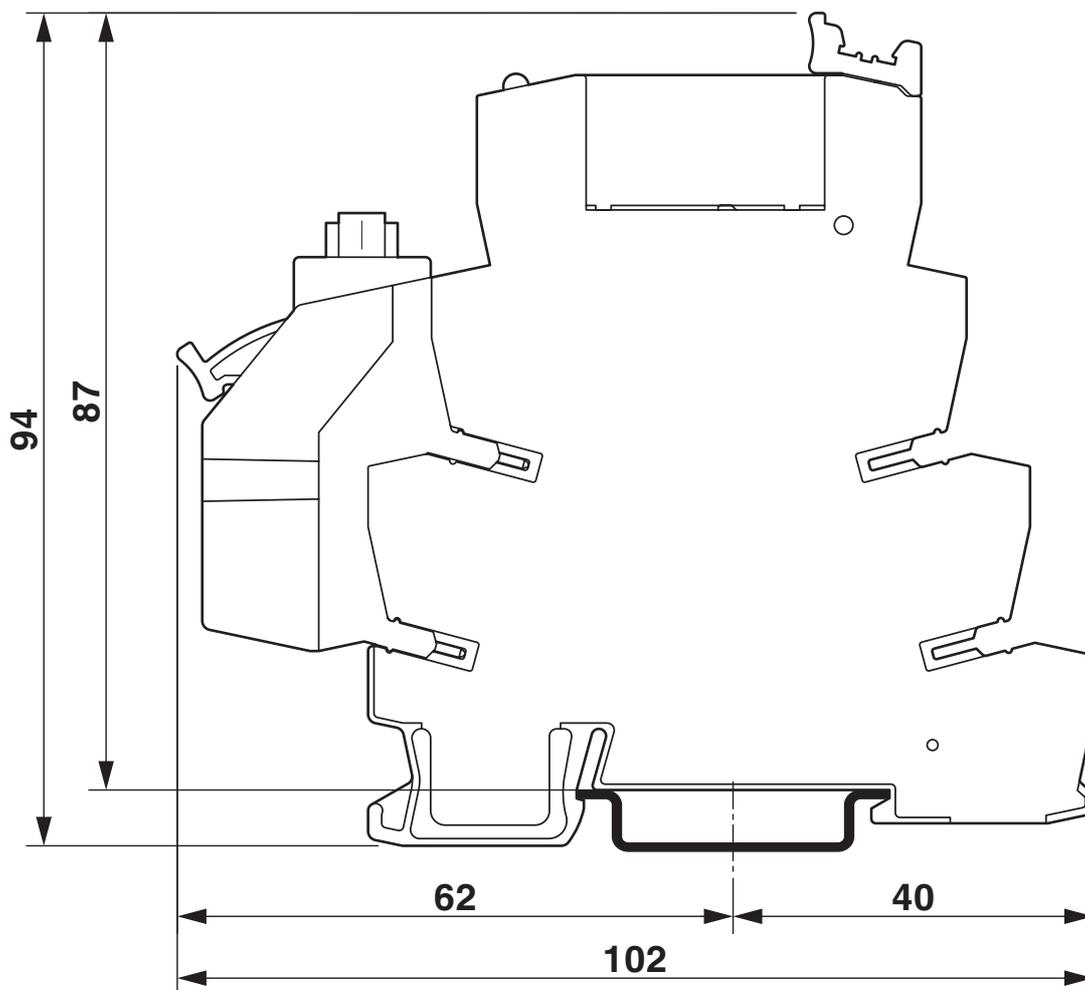
Mounting type	Plug-on assembly
Assembly instructions	in rows with zero spacing
Mounting position	any

## 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



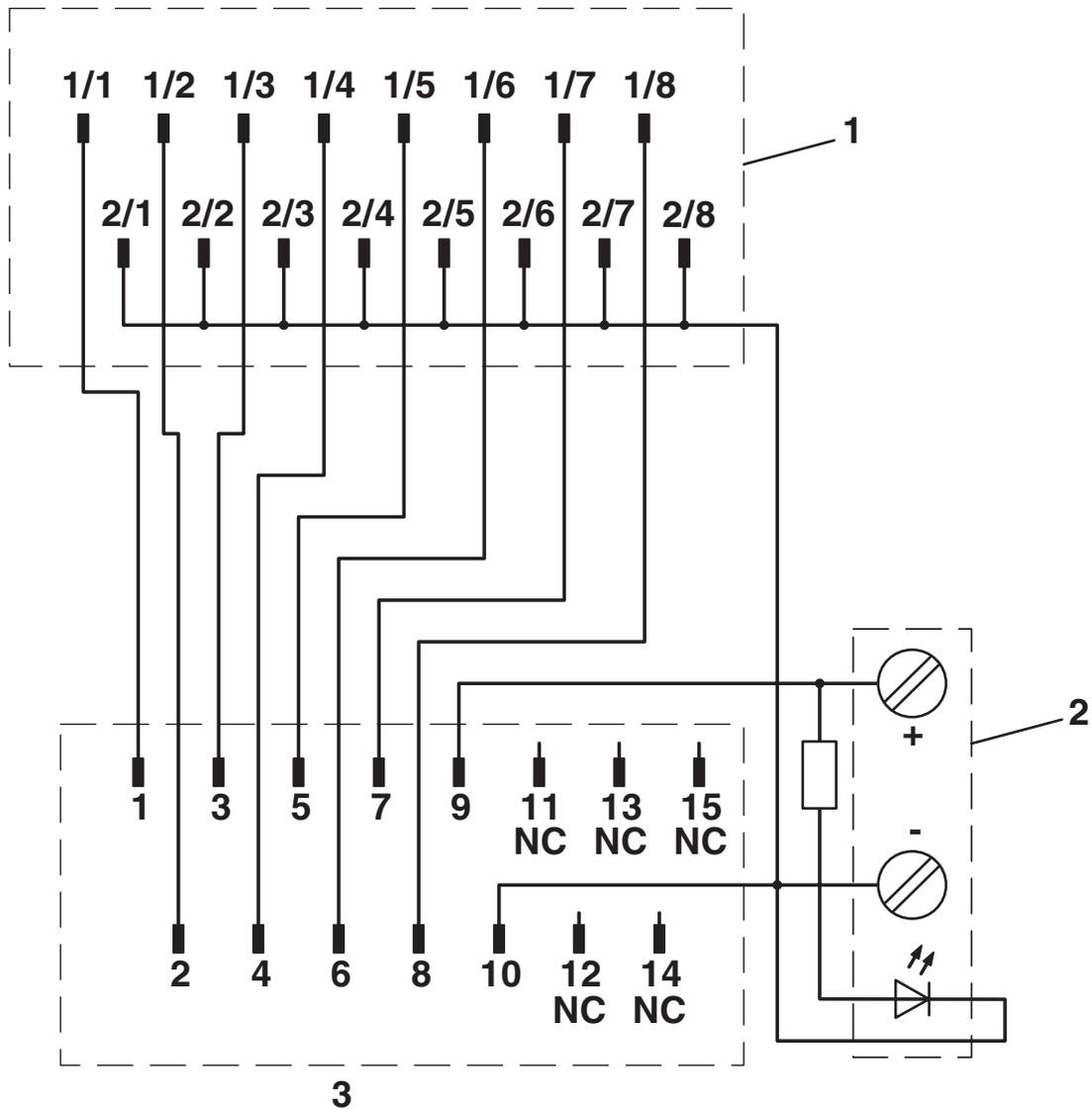
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Circuit diagram



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## Approvals

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

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

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

 <b>DNV GL</b> Approval ID: TAE0000196
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 <b>UL Listed</b> Approval ID: FILE E 172140
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 <b>cUL Listed</b> Approval ID: FILE E 172140
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 <b>cUL Listed</b> Approval ID: FILE E 199827
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 <b>UL Listed</b> Approval ID: FILE E 199827
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<b>cULus Recognized</b>
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<b>cULus Listed</b>
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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

<https://www.phoenixcontact.com/us/products/2900299>



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

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

2966171

<https://www.phoenixcontact.com/us/products/2966171>



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

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

2966265

<https://www.phoenixcontact.com/us/products/2966265>



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

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

2966278

<https://www.phoenixcontact.com/us/products/2966278>



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

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

2900328

<https://www.phoenixcontact.com/us/products/2900328>



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

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

2982236

<https://www.phoenixcontact.com/us/products/2982236>



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

<https://www.phoenixcontact.com/us/products/2900364>



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

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## 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

<https://www.phoenixcontact.com/us/products/2900398>



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

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

2982702

<https://www.phoenixcontact.com/us/products/2982702>



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

<https://www.phoenixcontact.com/us/products/2900369>



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

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

2967840

<https://www.phoenixcontact.com/us/products/2967840>



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

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

2900383

<https://www.phoenixcontact.com/us/products/2900383>



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

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

2980678

<https://www.phoenixcontact.com/us/products/2980678>



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

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

2900352

<https://www.phoenixcontact.com/us/products/2900352>



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

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

2966728

<https://www.phoenixcontact.com/us/products/2966728>



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

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

2900378

<https://www.phoenixcontact.com/us/products/2900378>



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

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

2980636

<https://www.phoenixcontact.com/us/products/2980636>



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

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## PLC-VT - Feed-through terminal block

2296870

<https://www.phoenixcontact.com/us/products/2296870>



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

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

2296854

<https://www.phoenixcontact.com/us/products/2296854>



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

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

2900312

<https://www.phoenixcontact.com/us/products/2900312>



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

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

2966210

<https://www.phoenixcontact.com/us/products/2966210>



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

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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

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## 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

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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

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## 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

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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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