

# PLC ACCESSORIES

## Accessories for the PLC INTERFACE Series

### INTERFACE

Data Sheet  
103153\_00\_en

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### Description

#### PLC-ESK Power Terminal Block

The 9 mm **PLC-ESK GY** power terminal block is the same shape as the PLC INTERFACE modules. It is used to supply the bridging potentials. Its nominal current is 32 A. For currents  $\leq 6$  A, the power can be supplied directly at the connection terminal blocks of one of the connected PLC INTERFACE modules.

#### FBST Plug-In Bridges

The colored, insulated FBST plug-in bridges reduce wiring time for the PLC INTERFACE modules by up to 70% in comparison with conventionally wired relay modules. 2-pos. **FBST 6** single plug-in bridges are ideal for bridging a smaller number of modules and total currents  $\leq 6$  A. For a circuit supplied from both sides, they offer the advantage that the circuit can be opened at any point, while allowing all the other modules to continue being supplied at the same time.

If a PLC-ATP insulating plate is to be bypassed with single plug-in bridges, the **FBST 8** 2-pos. plug-in bridge must be used.

The **FBST 14** 2-pos. plug-in bridge connects adjacent connections on a 14 mm PLC INTERFACE module. In this way, contacts can be connected in series or in parallel without additional wiring.

500 mm long **FBST 500** continuous plug-in bridges can be used to bridge up to 80 modules quickly and easily at a time.

#### PLC-ATP Insulating Plate

The PLC-ATP insulating plate should always be installed at the start and end of every terminal strip.

In addition to the visual separation of function blocks, it is also necessary in some cases to install the insulating plate between adjacent PLC INTERFACE modules, e.g., when three phases (L1, L2, L3) are used on the contact side of the PLC INTERFACE modules.

PLC-ATP has prescored break-out points at the bridging positions, so that individual bridges can be passed through if necessary.

#### PLC-BP Feed-Through Bridge

Instead of a relay or solid-state relay, the PLC-BP (A1-14) passive feed-through bridge can be inserted in the basic terminal block of the PLC INTERFACE series. This enables a passive connection to be established between terminal points A1 and 14.

#### PLC-V8 Adapter

The PLC-V8 adapter can be used to connect both 6.2 mm and 14 mm PLC INTERFACE modules quickly and easily to the VARIOFACE system cabling (see INTERFACE catalog).



Make sure you always use the latest documentation. It can be downloaded at [www.download.phoenixcontact.com](http://www.download.phoenixcontact.com).

A conversion table is available on the Internet at [www.download.phoenixcontact.com/general/7000\\_en\\_00.pdf](http://www.download.phoenixcontact.com/general/7000_en_00.pdf).



This data sheet is valid for all products listed on the following page:



**ZB 6 Zack Marker Strip**

The ZB marker system provides logical and clear identification of the modular terminal blocks and INTERFACE modules. Multipartite ZB strips can be

conveniently split at any point. They are available with horizontal and vertical labeling (see CLIPLINE catalog).

Other pitches and labels are available on request. Unprinted ZB strips can be labeled individually using a plotter or by hand.

**Ordering Data**

**Zack Marker Strip**

Description	Type	Order No.	Pcs./Pck.
Zack marker strip, unprinted: 10-section, for individual labeling with TML (EX9,5)R TR, X-PEN or CMS-P1 PLOTTER, each pack provides enough strips to label 100 PLC INTERFACE modules	ZB 6: UNBEDRUCKT	1051003	10
As above, but large pack; each pack provides enough strips to label 1000 PLC INTERFACE modules	ZB 6/WH-100: UNBEDRUCKT	5060935	100
Zack marker strip, printed horizontally: <sup>1</sup> 10-section, with consecutive numbers	ZB 6, LGS: FORTL. ZAHLEN 1 - 10 ZB 6, LGS: 1-10 11 - 20 ZB 6, LGS: 11-20 ... 991 - 1000 ZB 6, LGS: 991-1000	1051032	10
Zack marker strip, printed horizontally: <sup>1</sup> 9-section, with numbers 1 - 9	1 - 9 ZB 6, LGS: 1-9	1051126	10
Zack marker strip, printed horizontally: <sup>1</sup> 10-section, with identical numbers	ZB 6, LGS: GLEICHE ZAHLEN 1/1/1 ZB 6, LGS: 1 2/2/2 ZB 6, LGS: 2 ... 100/100/100 ZB 6, LGS: 100	1051032	10
Zack marker strip, printed horizontally: <sup>1</sup> 10-section	L1, L2, L3, N, PE, L1, L2, L3, N, PE ZB 6, LGS: L1-N, PE U, V, W, N, $\frac{1}{2}$ , U, V, W, N, $\frac{1}{2}$ ZB 6, LGS: U-N	1051414 1051430	10 10
Zack marker strip, printed vertically: <sup>1</sup> 10-section, with consecutive numbers	ZB 6, QR: FORTL. ZAHLEN 1 - 10 ZB 6, QR: 1-10 11 - 20 ZB 6, QR: 11-20 ... 991 - 1000 ZB 6, QR: 991-1000	1051029	10
Zack marker strip, printed vertically: <sup>1</sup> 10-section, with identical numbers	ZB 6, QR: GLEICHE ZAHLEN 1/1/1 ZB 6, QR: 1 2/2/2 ZB 6, QR: 2 ... 100/100/100 ZB 6, QR: 100	1051045	10
Zack marker strip, printed vertically: <sup>1</sup> 10-section, with PLC input numbers, e.g., I 0.0 to I 0.7 (up to I 127.7, maximum)	ZB 6, QR: SPS EINGANG... <sup>2</sup>	1051456	10
Zack marker strip, printed vertically: <sup>1</sup> 10-section, with PLC output numbers e.g., O 0.0 to O 0.7 (up to O 127.7, maximum)	ZB 6, QR: SPS AUSGANG... <sup>2</sup>	1051443	10
Zack marker strip with special labeling: 10-section, can be separated, labeled according to customer requirements	ZB 6: SO/CMS... <sup>3</sup>	1050499	1

**Horizontal labeling (LGS):**

1	2	3	4	5	6	7	8	9	10
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**Vertical labeling (QR):**

1	2	3	4	5	6	7	8	9	10
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<sup>1</sup> Ten identically labeled strips make up one unit pack (Pcs./Pck.).

<sup>2</sup> Specify desired labeling when placing an order.

<sup>3</sup> Specify desired labeling and color when placing an order.

### Power Terminal Block

Description	Type	Order No.	Pcs./Pck.
Power terminal block, to supply up to four potentials, same shape as the PLC INTERFACE series	Gray PLC ESK GY	2966508	5

### Plug-In Bridges

Description	Type	Order No.	Pcs./Pck.
Continuous plug-in bridge, 500 mm long, insulated, can be cut to any length, for potential distribution with PLC..., I <sub>max</sub> = 32 A	Red FBST 500-PLC RD	2966786	20
	Blue FBST 500-PLC BU	2966692	20
	Gray FBST 500-PLC GY	2966838	20
Plug-in bridge, 2-pos., 6 mm long, insulated, for potential distribution with PLC..., I <sub>max</sub> = 6 A	Red FBST 6-PLC RD	2966236	50
	Blue FBST 6-PLC BU	2966812	50
	Gray FBST 6-PLC GY	2966825	50
Plug-in bridge, 2-pos., 8 mm long, insulated, for potential distribution with insulating plate	Gray FBST 8-PLC GY	2967688	50
Plug-in bridge, 2-pos., 14 mm long, insulated, for potential distribution	Black FBST 14-PLC BK	2967691	50

### Insulating Plate

Description	Type	Order No.	Pcs./Pck.
Insulating plate, 2 mm thick, to be installed at the start and end of every PLC terminal strip. For the visual separation of groups, safe isolation of different voltages from adjacent PLC INTERFACE modules according to DIN EN 50178/VDE 0160, isolation of adjacent bridges with different potentials, isolation of PLC INTERFACE modules for voltages greater than 250 V. Color: black	PLC ATP BK	2966841	25

### Feed-Through Bridge

Description	Type	Order No.	Pcs./Pck.
Passive feed-through bridge, can be inserted instead of a relay or solid-state relay, bridges terminal points A1 and 14	Black PLC BP (A1-A14)	2980283	1

### Screwdriver

Description	Type	Order No.	Pcs./Pck.
Bladed type screwdriver, blade: 0.6 x 3.5 x 100 mm, length 180 mm	SZF 1-0,6X3,5	1204517	10

## Technical Data

### PLC-ESK Power Terminal Block

Nominal input voltage <sup>1</sup>	250 V AC, maximum
Total current	32 A, maximum
Connection type	Screw connection
Conductor cross section (solid and stranded)	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Stripping length	10 mm
Dimensions (W x H x D)	9 mm x 94 mm x 80 mm
Housing material	Polyamide PA, color: gray

<sup>1</sup> The PLC-ATP BK insulating plate must be installed for voltages greater than 250 V (L1, L2, L3) between the same terminal points on adjacent modules (see "Insulating Plate"). FBST 8-PLC... or FBST 500... is then used for potential bridging.