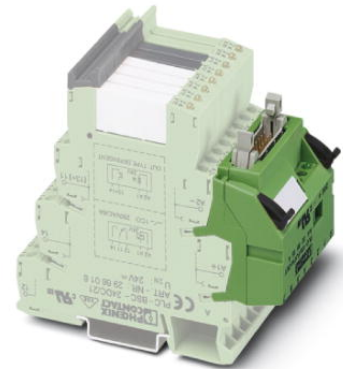


# PLC-V8/FLK14/OUT/M


Order No.: 2304102

The illustration shows version PLC-V8/FLK14/OUT



V8-OUTPUT adapter for eight 6.2 mm PLC interfaces (1 PDT, etc./see "Supplementary Products"). 14-pos. flat-ribbon cable connection for the PLC system cabling, control logic: Minus switching



| Commercial data          |  |
|--------------------------|--|
| EAN                      | <br>4 017918 924430 |
| Pack                     | 1  |
| Customs tariff           | 85369010   |
| Gross weight in pieces   | 57.79 g  |
| Country of Origin        | DE   |
| Catalog page information | Page 125 (IF-2011)   |

### Product notes

WEEE/RoHS-compliant since:  
02/01/2006



Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation at <http://www.download.phoenixcontact.com>. The General Terms and Conditions of Use apply to Internet downloads.

## Technical data

| General data                              |                       |
|---|-----------------------|
| Nominal voltage $U_N$                     | 24 V DC $\pm$ 25%     |
| Max. current carrying capacity per branch | 1 A (per signal path) |
| Max. total current of voltage supply      | 3 A                   |
| Number of positions                       | 14                    |

|   |                           |
|---|---------------------------|
| Width                                   | 49.6 mm                   |
| Height                                  | 100 mm                    |
| Depth                                   | 94 mm                     |
| Status display                          | Green LED                 |
| Ambient temperature (operation)         | -40 °C ... 70 °C          |
| Ambient temperature (storage/transport) | -40 °C ... 70 °C          |
| Test voltage                            | 500 V (50 Hz, 1 min.)     |
| Test voltage contact/contact            | 0.8 kV AC                 |
| Mounting position                       | Any                       |
| Assembly instructions                   | In rows with zero spacing |
| Standards/regulations                   | IEC 60664                 |
|   | DIN EN 50178              |
|   | IEC 62103                 |
| Pollution degree                        | 2                         |
| Surge voltage category                  | III                       |
| Rated surge voltage                     | 0.8 kV                    |

#### Connection data for connection 1

|  |                     |
|--|---------------------|
| Connection name                        | Power supply        |
| Number of connections                  | 1                   |
| Connection method                      | Screw connection    |
| Conductor cross section solid min.     | 0.2 mm <sup>2</sup> |
| Conductor cross section solid max.     | 4 mm <sup>2</sup>   |
| Conductor cross section stranded min.  | 0.2 mm <sup>2</sup> |
| Conductor cross section stranded max.  | 2.5 mm <sup>2</sup> |
| Conductor cross section AWG/kcmil min. | 24                  |
| Conductor cross section AWG/kcmil max  | 12                  |
| Stripping length                       | 8 mm                |
| Screw thread                           | M3                  |

#### Connection data for connection 2

|                       |                             |
|-----------------------|-----------------------------|
| Connection name       | Signal level                |
| Number of connections | 1                           |
| Connection method     | IDC/FLK pin strip (2.54 mm) |
| Number of positions   | 14                          |

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## Certificates

Certification CUL, CUL Listed, GL, UL, UL Listed

Certifications applied for:

Certification Ex:

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## Accessories

| Item | Designation | Description |
|------|-------------|-------------|
|------|-------------|-------------|

### Cable/conductor

|         |                           |   |
|---------|---------------------------|---|
| 2314655 | CABLE-50/4FLK14/ 2,0M/YUC | Assembled round cable with a 50-pos. molded socket strip and four 14-pos. socket strips, for splitting 32 channels into 4 x 8 channels, number of positions: 50/ 4 x 14, the cable is suitable for the ADV551 and ADV151 boards. Length of cable: 2.0 m |
| 2314668 | CABLE-50/4FLK14/ 3,0M/YUC | Assembled round cable with a 50-pos. molded socket strip and four 14-pos. socket strips, for splitting 32 channels into 4 x 8 channels, number of positions: 50/ 4 x 14, the cable is suitable for the ADV551 and ADV151 boards. Length of cable: 3.0 m |
| 2314671 | CABLE-50/4FLK14/ 4,0M/YUC | Assembled round cable with a 50-pos. molded socket strip and four 14-pos. socket strips, for splitting 32 channels into 4 x 8 channels, number of positions: 50/ 4 x 14, the cable is suitable for the ADV551 and ADV151 boards. Length of cable: 4.0 m |
| 2318978 | CABLE-50/4FLK14/ 6,0M/YUC | Assembled round cable with a 50-pos. molded socket strip and four 14-pos. socket strips, for splitting 32 channels into 4x8 channels, number of positions: 50/4x14; the cable is suitable for the ADV551 and ADV151 boards. Cable length: 6.0 m         |
| 2314684 | CABLE-50/4FLK14/10,0M/YUC | Assembled round cable with a 50-pos. molded socket strip and four 14-pos. socket strips, for splitting 32 channels into 4x8 channels, number of positions: 50/4x14 The cable is suitable for the ADV551 and ADV151 boards. Length of cable: 10.0 m      |
| 2322773 | CABLE-50/4FLK14/15,0M/YUC | Assembled round cable with a 50-pos. molded socket strip and four 14-pos. socket strips, for splitting 32 channels into 4x8 channels, number of positions: 50/4x14; the cable is suitable for the ADV551 and ADV151 boards. Cable length: 15.0 m        |
| 2314778 | CABLE-50/4FLK14/20,0M/YUC | Assembled round cable with a 50-pos. molded socket strip and four 14-pos. socket strips, for splitting 32 channels into 4x8 channels, number of positions: 50/4x14; the cable is suitable for the ADV551 and ADV151 boards. Length of cable: 20.0 m     |
| 2314765 | CABLE-50/4FLK14/50,0M/YUC | Assembled round cable with a 50-pos. molded socket strip and four 14-pos. socket strips, for splitting 32 channels into 4 x 8 channels, number of positions: 50/4 x 14, The cable is suitable for ADV551 and ADV151 cards. Cable length: 50.0 m         |

|         |                                 |   |
|---------|---------------------------------|---|
| 2306951 | FLKMIL-50/4FLK14/EZ-DR/ 100/ CS | Assembled round cable with a 50-pos. socket strip and four 14-pos. socket strips, for splitting 32 channels into 4 x 8 channels. The cable is suitable for the ADV561 and ADV161 boards. Cable length: 1.0 m              |
| 2306304 | FLKMIL-50/4FLK14/EZ-DR/ 200/ CS | Assembled round cable with a 50-pos. socket strip and four 14-pos. socket strips, for splitting 32 channels into 4 x 8 channels. The cable is suitable for the ADV561 and ADV161 boards. Cable length: 2.0 m              |
| 2306964 | FLKMIL-50/4FLK14/EZ-DR/ 300/ CS | Assembled round cable with a 50-pos. socket strip and four 14-pos. socket strips, for splitting 32 channels into 4 x 8 channels. The cable is suitable for the ADV561 and ADV161 boards. Cable length: 3.0 m              |
| 2306977 | FLKMIL-50/4FLK14/EZ-DR/ 500/ CS | Assembled round cable with a 50-pos. socket strip and four 14-pos. socket strips, for splitting 32 channels into 4 x 8 channels. The cable is suitable for the ADV561 and ADV161 boards. Cable length: 5.0 m              |
| 2318949 | FLKMIL-50/4FLK14/EZ-DR/ 600/ CS | Assembled round cable with a 50-pos. socket strip and four 14-pos. socket strips, for splitting 32 channels into 4 x 8 channels. The cable is suitable for the ADV561 and ADV161 boards. Cable length: 6.0 m              |
| 2306980 | FLKMIL-50/4FLK14/EZ-DR/1000/CS  | Assembled round cable with a 50-pos. socket strip and four 14-pos. socket strips, for splitting 32 channels into 4 x 8 channels. The cable is suitable for the ADV561 and ADV161 boards. Cable length: 10.0 m             |
| 2301503 | FLKMIL-50/4FLK14/EZ-DR/1500/CS  | Konfektioniertes Rundkabel mit einer 50-poligen Federleiste und vier 14-poligen Federleisten, zur Aufspaltung von 32 Kanälen in 4 x 8 Kanäle. Das Kabel ist geeignet für die Karten ADV561 und ADV161. Kabellänge: 15,0 m |
| 2900159 | FLKMIL-50/4FLK14/EZ-DR/3000/CS  | Assembled round cable with a 50-pos. socket strip and four 14-pos. socket strips, for splitting 32 channels into 4 x 8 channels. The cable is suitable for the ADV561 and ADV161 boards. Cable length: 30.0 m             |

#### Additional products

| Item                           | Designation        | Description   |
|--------------------------------|--------------------|---|
| <b>Electromechanical relay</b> |                    |   |
| 2900299                        | PLC-RPT- 24DC/21   | PLC-INTERFACE, consisting of PLC-BPT.../21 basic terminal block with Push-in technology and plug-in miniature relay with power contact, for mounting on NS 35/7,5 DIN rails, 1 PDT, input voltage: 24 V DC        |
| 2900306                        | PLC-RPT- 24DC/21AU | PLC-INTERFACE, consisting of PLC-BPT.../21 basic terminal block with Push-in connection and plug-in miniature relay with multi-layer contact, for mounting on NS 35/7,5 DIN rail, 1 PDT, 24 V DC input voltage    |
| 2900307                        | PLC-RPT- 24UC/21AU | PLC-INTERFACE, consisting of PLC-BPT.../21 basic terminal block with Push-in connection and plug-in miniature relay with multi-layer contact, for mounting on NS 35/7,5 DIN rail, 1 PDT, 24 V AC/DC input voltage |

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**Feed-through terminal block**

|         |               |   |
|---------|---------------|---|
| 2296870 | PLC-VT        | VARIOFACE feed-through terminal block (two-conductor connection), for PLC-RELAY universal series                        |
| 2295567 | PLC-VT/ACT    | VARIOFACE feed-through terminal block (3-wire connection), for PLC-RELAY actuator series                                |
| 2296867 | PLC-VT/ACT/LA | VARIOFACE feed-through terminal block (3-wire connection), for PLC-RELAY actuator series, with light indicator 24 V DC  |
| 2296854 | PLC-VT/LA     | VARIOFACE feed-through terminal block (2-wire connection), for PLC-RELAY universal series, with light indicator 24 V DC |

**Relay**

|         |                    |  |
|---------|--------------------|--|
| 2966171 | PLC-RSC- 24DC/21   | PLC relay, consisting of base terminal block PLC-BSC.../21 with screw connection and pluggable miniature relay with power contact, for assembly on DIN rail NS 35/7.5, 1 PDT, input voltage 24 V DC                |
| 2966265 | PLC-RSC- 24DC/21AU | PLC relay, consisting of base terminal block PLC-BSC.../21 with screw connection and pluggable miniature relay with multi-layer contact, for assembly on DIN rail NS 35/7.5, 1 PDT, input voltage 24 V DC          |
| 2966278 | PLC-RSC- 24UC/21AU | PLC relay, consisting of base terminal block PLC-BSC.../21 with screw connection and pluggable miniature relay with multi-layer contact, for assembly on DIN rail NS 35/7.5, 1 PDT, input voltage 24 V AC/DC       |
| 2966472 | PLC-RSP- 24DC/21   | PLC relay, consisting of base terminal block PLC-BSP.../21 with spring-cage connection and pluggable miniature relay with power contact, for assembly on DIN rail NS 35/7.5, 1 PDT, input voltage 24 V DC          |
| 2966540 | PLC-RSP- 24DC/21AU | PLC relay, consisting of base terminal block PLC-BSP.../21 with spring-cage connection and pluggable miniature relay with multi-layer contact, for assembly on DIN rail NS 35/7.5, 1 PDT, input voltage 24 V DC    |
| 2966553 | PLC-RSP- 24UC/21AU | PLC relay, consisting of base terminal block PLC-BSP.../21 with spring-cage connection and pluggable miniature relay with multi-layer contact, for assembly on DIN rail NS 35/7.5, 1 PDT, input voltage 24 V AC/DC |

**Relay actuator series**

|         |                      |   |
|---------|----------------------|---|
| 2900312 | PLC-RPT- 24DC/ 1/ACT | PLC actuator interface, consisting of PLC-BPT...ACT 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 N/O contact, 24 V DC input voltage |
| 2966210 | PLC-RSC- 24DC/ 1/ACT | PLC actuator relay, consisting of base terminal block PLC-BSC...ACT with screw connection and pluggable miniature relay with power contact, for assembly on DIN rail NS 35/7.5, 1 N/O contact, input voltage 24 V DC      |

|                          |                           |  |
|--------------------------|---------------------------|--|
| 2967345                  | PLC-RSP- 24DC/ 1/ACT      | PLC actuator relay, consisting of base terminal block PLC-BSP...ACT with spring-cage connection and pluggable miniature relay with power contact, for assembly on DIN rail NS 35/7.5, 1 N/O contact, input voltage 24 V DC                               |
| <b>Relay switch</b>      |                           |  |
| 2900328                  | PLC-RPT- 24UC/ 1/S/H      | 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                  |
| 2900327                  | PLC-RPT- 24UC/ 1/S/L      | PLC-INTERFACE with switch (operation by screwdriver) 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           |
| 2982236                  | PLC-RSC- 24UC/ 1/S/H      | PLC-INTERFACE with switch (operation by hand) and integrated power contact relay for the "Manual, Zero and Automatic" functions, with screw connection, for assembly on DIN rail NS 35/7.5, a N/O, input voltage 24 V AC/DC                              |
| 2982249                  | PLC-RSP- 24UC/ 1/S/H      | PLC-INTERFACE with switch (operation by hand) and integrated power contact relay for the "Manual, Zero and Automatic" functions, with spring-cage connection, for assembly on DIN rail NS 35/7.5, a N/O, input voltage 24 V AC/DC                        |
| 2834889                  | PLC-RSP- 24UC/ 1/S/L      | PLC-INTERFACE with switch (operation using a screwdriver) and integrated power contact relay for "Manual", "Zero", and "Automatic" functions, with spring-cage connection, for mounting on NS 35/7.5 DIN rail, one N/O contact, 24 V AC/DC input voltage |
| <b>Solid-state relay</b> |                           |  |
| 2900398                  | PLC-OPT- 24DC/ 24DC/10/R  | PLC solid-state relay with Push-in connection, for mounting on DIN rail NS 35/7.5, input: 24 V DC, output: 3-33 V DC/10 A  |
| 2900364                  | PLC-OPT- 24DC/ 24DC/2     | PLC-INTERFACE, consisting of PLC-BPT basic terminal block with Push-in connection and plug-in miniature solid-state relay, for mounting on NS 35/7,5 DIN rail, input: 24 V DC, output: 3 - 33 V DC/3 A   |
| 2900352                  | PLC-OPT- 24DC/ 48DC/100   | PLC-INTERFACE, consisting of PLC-BPT basic terminal block with Push-in connection and plug-in miniature solid-state relay, for mounting on NS 35/7,5 DIN rail, input: 24 V DC, output: 3 - 48 V DC/100 mA  |
| 2900378                  | PLC-OPT- 24DC/ 48DC/500/W | PLC electronic PDT with Push-in connection, for mounting on DIN rail NS 35/7.5, input: 24 V DC, output: 3-48 V DC/500 mA   |
| 2900369                  | PLC-OPT- 24DC/230AC/1     | PLC-INTERFACE, consisting of PLC-BPT basic terminal block with Push-in connection and plug-in miniature solid-state relay, for mounting on NS 35/7,5 DIN rail, input: 24 V DC, output: 24 - 253 V AC/0.75 A  |
| 2900383                  | PLC-OPT- 24DC/300DC/1     | 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   |

|         |                           |   |
|---------|---------------------------|---|
| 2966634 | PLC-OSC- 24DC/ 24DC/ 2    | PLC-INTERFACE, consisting of PLC-BSC basic terminal block with screw connection and plug-in miniature solid-state relay, for mounting on NS 35/7,5 DIN rails, input: 24 V DC, output: 3 - 33 V DC/3 A               |
| 2982702 | PLC-OSC- 24DC/ 24DC/ 10/R | PLC solid state relay with screw connection and short-circuit-proof DC voltage output, input: 24 V DC, output: 3-33 V DC/10 A   |
| 2966728 | PLC-OSC- 24DC/ 48DC/100   | PLC-INTERFACE, consisting of PLC-BSC basic terminal block with screw connection and plug-in miniature solid-state relay, for mounting on NS 35/7,5 DIN rails, input: 24 V DC, output: 3 - 48 V DC/100 mA            |
| 2980636 | PLC-OSC- 24DC/ 48DC/500/W | PLC electronic PDT, integrated optocoupler, with screw connection, for mounting on DIN rail NS 35/7.5, input: 24 V DC, output: 3 - 48 V DC/500 mA   |
| 2967840 | PLC-OSC- 24DC/230AC/ 1    | PLC-INTERFACE, consisting of PLC-BSC basic terminal block with screw connection and plug-in miniature solid-state relay, for mounting on NS 35/7,5 DIN rails, input: 24 V DC, output: 24 - 253 V AC/0.75 A          |
| 2980678 | PLC-OSC- 24DC/300DC/ 1    | 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  |
| 2967471 | PLC-OSP- 24DC/ 24DC/ 2    | PLC-INTERFACE, consisting of PLC-BSP... basic terminal block with spring-cage connection and plug-in miniature solid-state relay, for mounting on NS 35/7,5 DIN rails, input: 24 V DC, output: 3 - 33 V DC/3 A      |
| 2982715 | PLC-OSP- 24DC/ 24DC/ 10/R | PLC solid-state relay with spring-cage connection, for mounting on DIN rail NS 35/7.5, input: 24 V DC, output: 3-33 V DC/10 A   |
| 2967549 | PLC-OSP- 24DC/ 48DC/100   | PLC-INTERFACE, consisting of PLC-BSP... basic terminal block with spring-cage connection and plug-in miniature solid-state relay, for mounting on NS 35/7,5 DIN rails, input: 24 V DC, output: 3 - 48 V DC/100 mA   |
| 2980649 | PLC-OSP- 24DC/ 48DC/500/W | PLC electronic PDT, integrated optocoupler, with spring-cage connection, for mounting on DIN rail NS 35/7.5, input: 24 V DC, output: 3 - 48 V DC/500 mA   |
| 2967895 | PLC-OSP- 24DC/230AC/ 1    | PLC-INTERFACE, consisting of PLC-BSP... basic terminal block with spring-cage connection and plug-in miniature solid-state relay, for mounting on NS 35/7,5 DIN rails, input: 24 V DC, output: 24 - 253 V AC/0.75 A |
| 2980830 | PLC-OSP- 24DC/300DC/ 1    | PLC-INTERFACE, integrated solid-state relay, with spring-cage connection, for mounting on NS 35/7,5 DIN rails, input: 24 V DC, output: 12 - 300 V DC/1 A  |

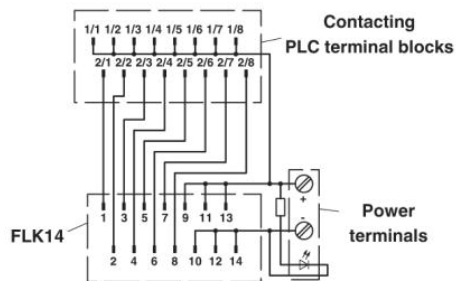
#### Solid-state relay actuator series

|         |                           |   |
|---------|---------------------------|---|
| 2900376 | PLC-OPT- 24DC/ 24DC/2/ACT | PLC actuator interface, consisting of PLC-BPT...ACT basic terminal block with Push-in connection and plug-in miniature solid-state relay, for mounting on NS 35/7,5 DIN rail, input: 24 V DC, output: 3 - 33 V DC/3 A |
|---------|---------------------------|---|

|         |                            |  |
|---------|----------------------------|--|
| 2966676 | PLC-OSC- 24DC/ 24DC/ 2/ACT | PLC actuator interface, consisting of PLC-BSC...ACT basic terminal block with screw connection and plug-in miniature solid-state relay, for mounting on NS 35/7,5 DIN rails, input: 24 V DC, output: 3 - 33 V DC/3 A       |
| 2967947 | PLC-OSC- 24DC/230AC/ 1/ACT | PLC actuator interface, consisting of PLC-BSC...ACT basic terminal block with screw connection and plug-in miniature solid-state relay, for mounting on NS 35/7,5 DIN rails, input: 24 V DC, output: 24 - 253 V AC/0.75 A  |
| 2967507 | PLC-OSP- 24DC/ 24DC/ 2/ACT | PLC actuator interface, consisting of PLC-BSP...ACT basic terminal block with spring-cage connection and plug-in miniature solid-state relay, for mounting on NS 35/7,5 DIN rails, input: 24 V DC, output: 3 - 33 V DC/3 A |

## Drawings

### Circuit diagram



PLC-V8/FLK14/OUT/M connection scheme

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Connection data incl. use groups

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