

System connection - PLC-V8/FLK14/OUT/M - 2304102

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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

The illustration shows version PLC-V8/FLK14/OUT



Key commercial data

Packing unit	1 pc
GTIN	 4 017918 924430
Weight per Piece (excluding packing)	57.79 g
Custom tariff number	85369010
Country of origin	Germany

Technical data

Dimensions

Width	49.6 mm
Height	100 mm
Depth	94 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C

General

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
Status display	Green LED

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Technical data

General

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 ²
Conductor cross section solid max.	4 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
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

Supported controller

Control	ABB S800 I/O
- suitable I/O card	DO814
Control	YOKOGAWA CENTUM CS3000R3
- suitable I/O card	ADV551
	ADV561
Control	YOKOGAWA STARDOM
- suitable I/O card	NFDV551
	NFDV561
Control	MITSUBISHI MELSEC Q
- suitable I/O card	QX41
	QX41-S1

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Technical data

Supported controller

	QX42
	QX42-S1
	QH42P
Control	MITSUBISHI MELSEC L
- suitable I/O card	LX41C4
	LX42C4

Classifications

eCl@ss

eCl@ss 4.0	27250313
eCl@ss 4.1	27250313
eCl@ss 5.0	27250313
eCl@ss 5.1	27250313
eCl@ss 6.0	27242208
eCl@ss 7.0	27242208
eCl@ss 8.0	27242208

ETIM

ETIM 2.0	EC001423
ETIM 3.0	EC001423
ETIM 4.0	EC001423
ETIM 5.0	EC001423

UNSPSC

UNSPSC 6.01	30211824
UNSPSC 7.0901	39121402
UNSPSC 11	39121402
UNSPSC 12.01	39121402
UNSPSC 13.2	39121402

Approvals

Approvals

Approvals

UL Recognized / UL Listed / cUL Recognized / cUL Listed / GL / cULus Recognized / cULus Listed

Ex Approvals

System connection - PLC-V8/FLK14/OUT/M - 2304102

Approvals

Approvals submitted

Approval details

UL Recognized

UL Listed

cUL Recognized

cUL Listed

GL

cULus Recognized

cULus Listed

Accessories

Accessories

System cable

Cable - CABLE-50/4FLK14/ 2,0M/YUC - 2314655



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

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Accessories

Cable - CABLE-50/4FLK14/ 3,0M/YUC - 2314668



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

Cable - CABLE-50/4FLK14/ 4,0M/YUC - 2314671



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

Cable - CABLE-50/4FLK14/ 6,0M/YUC - 2318978



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

Cable - CABLE-50/4FLK14/10,0M/YUC - 2314684



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

Cable - CABLE-50/4FLK14/15,0M/YUC - 2322773



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

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Accessories

Cable - CABLE-50/4FLK14/20,0M/YUC - 2314778



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

Cable - FLKMIL-50/4FLK14/EZ-DR/ 100/CS - 2306951



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

Cable - FLKMIL-50/4FLK14/EZ-DR/ 200/CS - 2306304



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

Cable - FLKMIL-50/4FLK14/EZ-DR/ 300/CS - 2306964



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

Cable - FLKMIL-50/4FLK14/EZ-DR/ 500/CS - 2306977



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

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Accessories

Cable - FLKMIL-50/4FLK14/EZ-DR/ 600/CS - 2318949



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

Cable - FLKMIL-50/4FLK14/EZ-DR/1000/CS - 2306980



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

Cable - FLKMIL-50/4FLK14/EZ-DR/1500/CS - 2301503



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

Cable - FLKMIL-50/4FLK14/EZ-DR/2000/CS - 2301914



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 cards. Cable length: 20.0 m

Cable - FLKMIL-50/4FLK14/EZ-DR/3000/CS - 2900159



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

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Accessories

Cable - CABLE-50/4FLK14/28,0M/YUC - 2901386



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: 28.0 m

Cable - CABLE-50/4FLK14/50,0M/YUC - 2314765



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

Necessary add-on products

Relay Module - PLC-RSP- 24DC/21 - 2966472



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

Relay Module - PLC-RPT- 24DC/21 - 2900299



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

Relay Module - PLC-RSC- 24DC/21 - 2966171



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

System connection - PLC-V8/FLK14/OUT/M - 2304102

Accessories

Relay Module - PLC-RSP- 24DC/21AU - 2966540



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

Relay Module - PLC-RPT- 24DC/21AU - 2900306



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

Relay Module - PLC-RSC- 24DC/21AU - 2966265



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

Relay Module - PLC-RSP- 24UC/21AU - 2966553



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 Module - PLC-RPT- 24UC/21AU - 2900307



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

System connection - PLC-V8/FLK14/OUT/M - 2304102

Accessories

Relay Module - PLC-RSC- 24UC/21AU - 2966278



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

Switch - PLC-RSP- 24UC/ 1/S/H - 2982249



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

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

Switch - PLC-RSC- 24UC/ 1/S/H - 2982236



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

Switch - PLC-RSP- 24UC/ 1/S/L - 2834889



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

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Accessories

Switch - PLC-RPT- 24UC/ 1/S/L - 2900327



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

Solid-state relay module - PLC-OSP- 24DC/ 24DC/ 2 - 2967471



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

Solid-state relay module - PLC-OPT- 24DC/ 24DC/2 - 2900364



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

Solid-state relay module - PLC-OSC- 24DC/ 24DC/ 2 - 2966634



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

Solid-state relay module - PLC-OSP- 24DC/ 24DC/ 10/R - 2982715



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

System connection - PLC-V8/FLK14/OUT/M - 2304102

Accessories

Solid-state relay module - PLC-OPT- 24DC/ 24DC/10/R - 2900398



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

Solid-state relay module - PLC-OSC- 24DC/ 24DC/ 10/R - 2982702



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

Solid-state relay module - PLC-OSP- 24DC/230AC/ 1 - 2967895



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

Solid-state relay module - PLC-OPT- 24DC/230AC/1 - 2900369



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

Solid-state relay module - PLC-OSC- 24DC/230AC/ 1 - 2967840



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

System connection - PLC-V8/FLK14/OUT/M - 2304102

Accessories

Solid-state relay module - PLC-OSP- 24DC/300DC/ 1 - 2980830



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 module - PLC-OPT- 24DC/300DC/1 - 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

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

Solid-state relay module - PLC-OSP- 24DC/ 48DC/100 - 2967549



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

Solid-state relay module - PLC-OPT- 24DC/ 48DC/100 - 2900352



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

System connection - PLC-V8/FLK14/OUT/M - 2304102

Accessories

Solid-state relay module - PLC-OSC- 24DC/ 48DC/100 - 2966728



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

Solid-state relay module - PLC-OSP- 24DC/ 48DC/500/W - 2980649



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

Solid-state relay module - PLC-OPT- 24DC/ 48DC/500/W - 2900378



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

Solid-state relay module - PLC-OSC- 24DC/ 48DC/500/W - 2980636



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

Feed-through terminal block - PLC-VT - 2296870



VARIOFACE feed-through terminal block (two-conductor connection), for PLC-RELAY universal series

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Accessories

Feed-through terminal block - PLC-VT/LA - 2296854



VARIOFACE feed-through terminal block (2-wire connection), for PLC-RELAY universal series, with light indicator 24 V DC

Relay Module - PLC-RSP- 24DC/ 1/ACT - 2967345



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

Relay Module - PLC-RPT- 24DC/ 1/ACT - 2900312



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

Relay Module - PLC-RSC- 24DC/ 1/ACT - 2966210



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

Solid-state relay module - PLC-OSP- 24DC/ 24DC/ 2/ACT - 2967507



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

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Accessories

Solid-state relay module - PLC-OPT- 24DC/ 24DC/2/ACT - 2900376



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

Solid-state relay module - PLC-OSC- 24DC/ 24DC/ 2/ACT - 2966676



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

Solid-state relay module - PLC-OSC- 24DC/230AC/ 1/ACT - 2967947



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

Feed-through terminal block - PLC-VT/ACT - 2295567



VARIOFACE feed-through terminal block (3-wire connection), for PLC-RELAY actuator series

Feed-through terminal block - PLC-VT/ACT/LA - 2296867

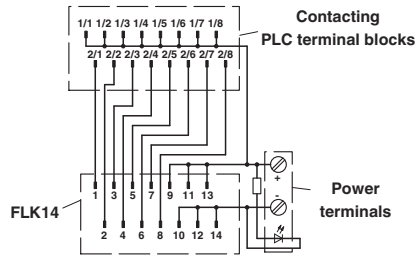


VARIOFACE feed-through terminal block (3-wire connection), for PLC-RELAY actuator series, with light indicator 24 V DC

Drawings

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Circuit diagram



PLC-V8/FLK14/OUT/M connection scheme