

System connection - PLC-V8/FLK14/OUT - 2295554


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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: Plus switching



Key commercial data

Packing unit	1 pc
GTIN	 4 017918 189143
Weight per Piece (excluding packing)	55.8 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
Test voltage	500 V AC (50 Hz, 1 min.)
Mounting position	any
Standards/regulations	IEC 60664
	DIN EN 50178

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Technical data

General

	IEC 62103
Pollution degree	2
Surge voltage category	III
Rated surge voltage	0.8 kV

Connection data for connection 1

Connection name	Power supply
Connection in acc. with standard	IEC / EN
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	SIEMENS S7-400
- suitable I/O card	6ES7 422-1BL00-0AA0
	6ES7 422-7BL00-0AB0
Control	GE-FANUC 90-30
- suitable I/O card	IC693 MDL732
	IC693 MDL740
	IC693 MDL742
Control	ALLEN-BRADLEY ControlLogix
- suitable I/O card	1756-OB32
	1756-OB16E
Control	ALLEN-BRADLEY PLC 5
- suitable I/O card	1771 OBN
Control	ALLEN-BRADLEY SLC 500
- suitable I/O card	1746 OB16
	1746 OB 32
Control	HONEYWELL PlantScape

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Supported controller

- suitable I/O card	TC-ODD 321
Control	MITSUBISHI MELSEC Q
- suitable I/O card	QY81P
Control	SIEMENS S7-300 / ET 200 M
- suitable I/O card	CPU 313C-2DP
	CPU 314C-2DP
	CPU 314C-2PtP
	6ES7 322-1BH01-0AA0
	6ES7 322-1BL00-0AA0
	6ES7 323-1BH01-0AA0
	6ES7 323-1BL00-0AA0
	CPU 313C
	CPU 313C-2PtP
Control	ABB S800 I/O
- suitable I/O card	DO810
	DO840
Control	Emerson DeltaV
- suitable I/O card	VE4002S1T1B3
	VE4002S1T2B3
	VE4002S1T2B3 Series 2
	VE4002S1T2B6
Control	GE-FANUC RX3i
- suitable I/O card	IC694MDL754
Control	MITSUBISHI MELSEC L
- suitable I/O card	LY41PT1P
	LY42PT1P

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

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Classifications

ETIM

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 / GOST / cUL Listed / GL / cULus Recognized / cULus Listed

Ex Approvals

Approvals submitted

Approval details

UL Recognized

UL Listed

cUL Recognized

GOST

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Approvals

cUL Listed

GL

cULus Recognized

cULus Listed

Accessories

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

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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

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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

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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

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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

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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

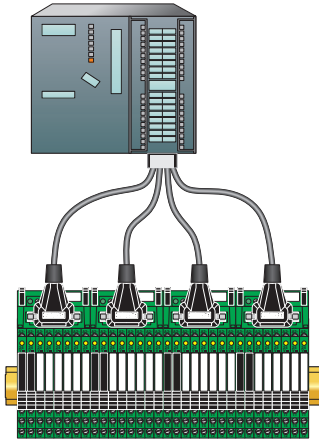


VARIOFACE feed-through terminal block (3-wire connection), for PLC-RELAY actuator series, with light indicator 24 V DC

Drawings

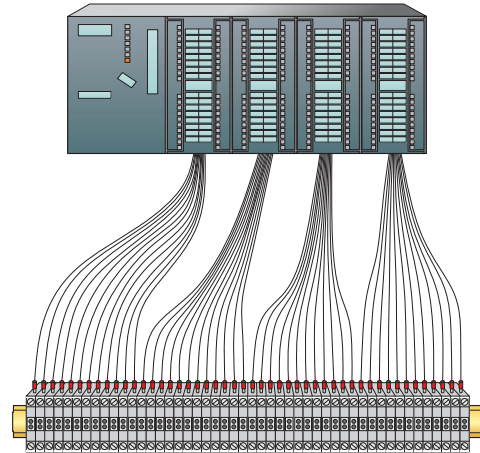
System connection - PLC-V8/FLK14/OUT - 2295554

Application drawing



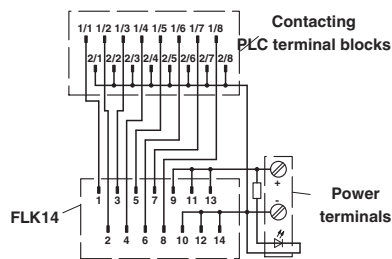
Wiring with V8 adapter

Application drawing



Conventional wiring

Circuit diagram



PLC-V8/FLK14/OUT connection scheme