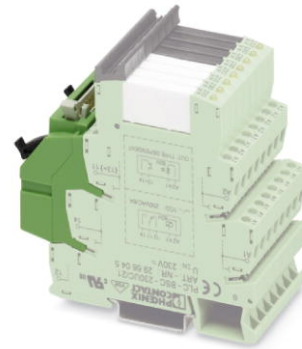




PLC-V8/FLK14/IN

Order No.: 2296553



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2296553>

V8L-INPUT 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

Commercial data		Product notes
GTIN (EAN)		WEEE/RoHS-compliant since: 01/02/2006
sales group	I650	
Pack	1 pcs.	
Customs tariff	85369010	
Catalog page information	Page 125 (IF-2011)	

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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.)
Mounting position	Any
Assembly instructions	In rows with zero spacing
Standards/regulations	IEC 60664
	DIN EN 50178
	IEC 62103
Inflammability class acc. to UL 94	V0
Pollution degree	2
Surge voltage category	III

Connection data

Connection 1	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 2	Signal level
Connection method	Flat-ribbon cable connector, in acc. with IEC 60603-13 (engagement catches based on IEC 60603-13)
Number of positions	14

Certificates / Approvals



Certification

CUL, CUL Listed, GL, GOST, UL, UL Listed

Additional products

Item	Designation	Description
Basic terminal block with filter		
2900456	PLC-BPIT-120UC/ 1/SEN/SO46	6.2 mm PLC sensor basic terminal blocks with push-in connection and integrated RCZ filter against interference currents/voltages on the control side, input voltage 120 V AC/DC(without relay or optocoupler)
2900456	PLC-BPIT-120UC/ 1/SEN/SO46	6.2 mm PLC sensor basic terminal blocks with push-in connection and integrated RCZ filter against interference currents/voltages on the control side, input voltage 120 V AC/DC(without relay or optocoupler)
2900453	PLC-BPIT-120UC/21/SO46	6.2 mm PLC basic terminal blocks with push-in connection and integrated RCZ filter against interference currents/voltages on the control side, input voltage 120 V AC/DC (without relay or optocoupler)
2900453	PLC-BPIT-120UC/21/SO46	6.2 mm PLC basic terminal blocks with push-in connection and integrated RCZ filter against interference currents/voltages on the control side, input voltage 120 V AC/DC (without relay or optocoupler)
2900457	PLC-BPIT-230UC/ 1/SEN/SO46	6.2 mm PLC sensor basic terminal blocks with push-in connection and integrated RCZ filter against interference currents/voltages on the control side, input voltage 230 V AC/DC(without relay or optocoupler)
2900457	PLC-BPIT-230UC/ 1/SEN/SO46	6.2 mm PLC sensor basic terminal blocks with push-in connection and integrated RCZ filter against interference currents/voltages on the control side, input voltage 230 V AC/DC(without relay or optocoupler)
2900455	PLC-BPIT-230UC/21/SO46	6.2 mm PLC basic terminal blocks with push-in connection and integrated RCZ filter against interference currents/voltages on the control side, input voltage 230 V AC/DC(without relay or optocoupler)
2900455	PLC-BPIT-230UC/21/SO46	6.2 mm PLC basic terminal blocks with push-in connection and integrated RCZ filter against interference currents/voltages on the control side, input voltage 230 V AC/DC(without relay or optocoupler)

2980322	PLC-BSC-120UC/ 1/SEN/SO46	6.2 mm PLC sensor basic terminal blocks with screw connection method and integrated RCZ filter against interference voltages and currents on the control side, input voltage 120 V AC/DC(without relay or optocoupler)
2980322	PLC-BSC-120UC/ 1/SEN/SO46	6.2 mm PLC sensor basic terminal blocks with screw connection method and integrated RCZ filter against interference voltages and currents on the control side, input voltage 120 V AC/DC(without relay or optocoupler)
2980319	PLC-BSC-120UC/21/SO46	6.2 mm PLC basic terminal blocks with screw connection method and integrated RCZ filter against interference voltages and currents on the control side, input voltage 120 V AC/DC(without relay or optocoupler)
2980319	PLC-BSC-120UC/21/SO46	6.2 mm PLC basic terminal blocks with screw connection method and integrated RCZ filter against interference voltages and currents on the control side, input voltage 120 V AC/DC(without relay or optocoupler)
2980348	PLC-BSC-230UC/ 1/SEN/SO46	6.2 mm PLC sensor basic terminal blocks with screw connection method and integrated RCZ filter against interference voltages and currents on the control side, input voltage 230 V AC/DC(without relay or optocoupler)
2980348	PLC-BSC-230UC/ 1/SEN/SO46	6.2 mm PLC sensor basic terminal blocks with screw connection method and integrated RCZ filter against interference voltages and currents on the control side, input voltage 230 V AC/DC(without relay or optocoupler)
2980335	PLC-BSC-230UC/21/SO46	6.2 mm PLC basic terminal blocks with screw connection method and integrated RCZ filter against interference voltages and currents on the control side, input voltage 230 V AC/DC(without relay or optocoupler)
2980335	PLC-BSC-230UC/21/SO46	6.2 mm PLC basic terminal blocks with screw connection method and integrated RCZ filter against interference voltages and currents on the control side, input voltage 230 V AC/DC(without relay or optocoupler)
2980364	PLC-BSP-120UC/ 1/SEN/SO46	6.2 mm PLC sensor basic terminal blocks with spring-cage connection method and integrated RCZ filter against interference voltages and currents on the control side, input voltage 120 V AC/DC(without relay or optocoupler)
2980364	PLC-BSP-120UC/ 1/SEN/SO46	6.2 mm PLC sensor basic terminal blocks with spring-cage connection method and integrated RCZ filter against interference voltages and currents on the control side, input voltage 120 V AC/DC(without relay or optocoupler)
2980351	PLC-BSP-120UC/21/SO46	6.2 mm PLC basic terminal blocks with spring-cage connection method and integrated RCZ filter against interference voltages and currents on the control side, input voltage 120 V AC/DC(without relay or optocoupler)
2980351	PLC-BSP-120UC/21/SO46	6.2 mm PLC basic terminal blocks with spring-cage connection method and integrated RCZ filter against interference voltages and currents on the control side, input voltage 120 V AC/DC(without relay or optocoupler)

2980380	PLC-BSP-230UC/ 1/SEN/SO46	6.2 mm PLC sensor basic terminal blocks with spring-cage connection method and integrated RCZ filter against interference voltages and currents on the control side, input voltage 230 V AC/DC(without relay or optocoupler)
2980380	PLC-BSP-230UC/ 1/SEN/SO46	6.2 mm PLC sensor basic terminal blocks with spring-cage connection method and integrated RCZ filter against interference voltages and currents on the control side, input voltage 230 V AC/DC(without relay or optocoupler)
2980377	PLC-BSP-230UC/21/SO46	6.2 mm PLC basic terminal blocks with spring-cage connection method and integrated RCZ filter against interference voltages and currents on the control side, input voltage 230 V AC/DC(without relay or optocoupler)
2980377	PLC-BSP-230UC/21/SO46	6.2 mm PLC basic terminal blocks with spring-cage connection method and integrated RCZ filter against interference voltages and currents on the control side, input voltage 230 V AC/DC(without relay or optocoupler)
Feed-through terminal block		
2296870	PLC-VT	VARIOFACE feed-through terminal block (two-conductor connection), for PLC-RELAY universal series
2296854	PLC-VT/LA	VARIOFACE feed-through terminal block (2-wire connection), for PLC-RELAY universal series, with light indicator 24 V DC
NAMUR block		
2900397	PLC-PIT-EIK 1-SVN 24P/P	Single-channel NAMUR module with 24 V DC input voltage
2982663	PLC-SC-EIK 1-SVN 24P/P	Single-channel NAMUR module with 24 V DC input voltage
2982676	PLC-SP-EIK 1-SVN 24P/P	Single-channel NAMUR module with 24 V DC input voltage
Relay		
2900317	PLC-RPIT- 12DC/21AU	PLC interface, consisting of PLC-BPIT.../21 basic terminal block with push-in connection and pluggable miniature relay with multi-layer contact, for assembly on DIN rail NS 35/7.5, 1 PDT, input voltage 12 V DC
2900306	PLC-RPIT- 24DC/21AU	PLC interface, consisting of PLC-BPIT.../21 basic terminal block with push-in 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
2900307	PLC-RPIT- 24UC/21AU	PLC interface, consisting of PLC-BPIT.../21 basic terminal block with push-in 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
2900308	PLC-RPIT- 48DC/21AU	PLC interface, consisting of PLC-BPIT.../21 basic terminal block with push-in connection and pluggable miniature relay with multi-layer contact, for assembly on DIN rail NS 35/7.5, 1 PDT, input voltage 48 V DC

2900309	PLC-RPIT- 60DC/21AU	PLC interface, consisting of PLC-BPIT.../21 basic terminal block with push-in connection and pluggable miniature relay with multi-layer contact, for assembly on DIN rail NS 35/7.5, 1 PDT, input voltage 60 V DC
2900310	PLC-RPIT-120UC/21AU	PLC interface, consisting of PLC-BPIT.../21 basic terminal block with push-in connection and pluggable miniature relay with multi-layer contact, for assembly on DIN rail NS 35/7.5, 1 PDT, input voltage 120 V AC/110 V DC
2900311	PLC-RPIT-230UC/21AU	PLC interface, consisting of PLC-BPIT.../21 basic terminal block with push-in connection and pluggable miniature relay with multi-layer contact, for assembly on DIN rail NS 35/7.5, 1 PDT, input voltage 230 V AC/220 V DC
2966919	PLC-RSC- 12DC/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 12 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
2966126	PLC-RSC- 48DC/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 48 V DC
2966142	PLC-RSC- 60DC/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 60 V DC
2966281	PLC-RSC-120UC/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 120 V AC / 110 V DC
2966294	PLC-RSC-230UC/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 230 V AC / 220 V DC
2967442	PLC-RSP- 12DC/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 12 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
2966566	PLC-RSP- 48DC/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 48 V DC
2966579	PLC-RSP- 60DC/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 60 V DC
2966582	PLC-RSP-120UC/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 120 V AC/110 V DC
2966647	PLC-RSP-230UC/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 230 V AC/220 V DC

Relay sensor series

2900313	PLC-RPIT- 24DC/ 1AU/SEN	PLC sensor interface, consisting of PLC-BPIT...SEN basic terminal block with push-in connection and pluggable miniature relay with multi-layer contact, for assembly on DIN rail NS 35/7.5, 1 N/O contact, input voltage 24 V DC
2900314	PLC-RPIT-120UC/ 1AU/SEN	PLC sensor relay, consisting of PLC-BPIT...SEN basic terminal block with push-in connection and pluggable miniature relay with multi-layer contact, for assembly on DIN rail NS 35/7.5, 1 N/O contact, input voltage 120 V AC / 110 V DC
2900315	PLC-RPIT-230UC/ 1AU/SEN	PLC sensor relay, consisting of PLC-BPIT...SEN basic terminal block with push-in connection and pluggable miniature relay with multi-layer contact, for assembly on DIN rail NS 35/7.5, 1 N/O contact, input voltage 230 V AC / 220 V DC
2966317	PLC-RSC- 24DC/ 1AU/SEN	PLC sensor relay, consisting of base terminal block PLC-BSC...SEN with screw connection and pluggable miniature relay with multi-layer contact, for assembly on DIN rail NS 35/7.5, 1 N/O contact, input voltage 24 V DC
2966320	PLC-RSC-120UC/ 1AU/SEN	PLC sensor relay, consisting of base terminal block PLC-BSC...SEN with screw connection and pluggable miniature relay with multi-layer contact, for assembly on DIN rail NS 35/7.5, 1 N/O contact, input voltage 120 V AC / 110 V DC
2966333	PLC-RSC-230UC/ 1AU/SEN	PLC sensor relay, consisting of base terminal block PLC-BSC...SEN with screw connection and pluggable miniature relay with multi-layer contact, for assembly on DIN rail NS 35/7.5, 1 N/O contact, input voltage 230 V AC / 220 V DC

2967374	PLC-RSP- 24DC/ 1AU/SEN	PLC sensor relay, consisting of base terminal block PLC-BSP...SEN with spring-cage connection and pluggable miniature relay with multi-layer contact, for assembly on DIN rail NS 35/7.5, 1 N/O contact, input voltage 24 V DC
2967390	PLC-RSP-120UC/ 1AU/SEN	PLC sensor relay, consisting of base terminal block PLC-BSP...SEN with spring-cage connection and pluggable miniature relay with multi-layer contact, for assembly on DIN rail NS 35/7.5, 1 N/O contact, input voltage 120 V AC/ 110 V DC
2967413	PLC-RSP-230UC/ 1AU/SEN	PLC sensor relay, consisting of base terminal block PLC-BSP...SEN with spring-cage connection and pluggable miniature relay with multi-layer contact, for assembly on DIN rail NS 35/7.5, 1 N/O contact, input voltage 230 V AC/ 220 V DC

Solid-state relay

2900352	PLC-OPIT- 24DC/ 48DC/100	PLC interface, consisting of PLC-BPIT basic terminal block with push-in connection and pluggable miniature optocoupler, for assembly on DIN rail NS 35/7.5, input: 24 V DC, output: 3-48 V DC/100 mA
2900353	PLC-OPIT- 48DC/ 48DC/100	PLC interface, consisting of PLC-BPIT basic terminal block with push-in connection and pluggable miniature optocoupler, for assembly on DIN rail NS 35/7.5, input: 48 V DC, output: 3-48 V DC/100 mA
2900354	PLC-OPIT- 60DC/ 48DC/100	PLC interface, consisting of PLC-BPIT basic terminal block with push-in connection and pluggable miniature optocoupler, for assembly on DIN rail NS 35/7.5, input: 60 V DC, output: 3-48 V DC/100 mA
2900355	PLC-OPIT-120UC/ 48DC/100	PLC interface, consisting of PLC-BPIT basic terminal block with push-in connection and pluggable miniature optocoupler, for assembly on DIN rail NS 35/7.5, input: 120 V AC/ 110 V DC, output: 3-48 V DC/100 mA
2900356	PLC-OPIT-230UC/ 48DC/100	PLC interface, consisting of PLC-BPIT basic terminal block with push-in connection and pluggable miniature optocoupler, for assembly on DIN rail NS 35/7.5, input: 230 V AC/ 220 V DC, output: 3-48 V DC/100 mA
2966728	PLC-OSC- 24DC/ 48DC/100	PLC interface, consisting of base terminal block PLC-BSC with screw connection and pluggable miniature optocoupler, for mounting on DIN rail NS 35/7.5, input: 24 V DC, output: 3-48 V DC/ 100 mA
2966993	PLC-OSC- 48DC/ 48DC/100	PLC interface, consisting of base terminal block PLC-BSC with screw connection and pluggable miniature optocoupler, for mounting on DIN rail NS 35/7.5, input: 48 V DC, output: 3-48 V DC/ 100 mA
2967455	PLC-OSC- 60DC/ 48DC/100	PLC interface, consisting of base terminal block PLC-BSC with screw connection and pluggable miniature optocoupler, for mounting on DIN rail NS 35/7.5, input: 60 V DC, output: 3-48 V DC/ 100 mA

2966744	PLC-OSC-120UC/ 48DC/100	PLC interface, consisting of base terminal block PLC-BSC with screw connection and pluggable miniature optocoupler, for mounting on DIN rail NS 35/7.5, input: 120 V AC/ 110 V DC / output: 3-48 V DC/ 100 mA
2966757	PLC-OSC-230UC/ 48DC/100	PLC interface, consisting of base terminal block PLC-BSC with screw connection and pluggable miniature optocoupler, for mounting on DIN rail NS 35/7.5, input: 230 V AC/ 220 V DC / output: 3-48 V DC/ 100 mA
2967549	PLC-OSP- 24DC/ 48DC/100	PLC interface, consisting of base terminal block PLC-BSP... with spring-cage connection and pluggable miniature optocoupler, for mounting on DIN rail NS 35/7.5, input: 24 V DC, output: 3-48 V DC/ 100 mA
2967743	PLC-OSP- 48DC/ 48DC/100	PLC interface, consisting of base terminal block PLC-BSP... with spring-cage connection and pluggable miniature optocoupler, for mounting on DIN rail NS 35/7.5, input: 48 V DC, output: 3-48 V DC/ 100 mA
2967756	PLC-OSP- 60DC/ 48DC/100	PLC interface, consisting of base terminal block PLC-BSP... with spring-cage connection and pluggable miniature optocoupler, for mounting on DIN rail NS 35/7.5, input: 60 V DC, output: 3-48 V DC/ 100 mA
2967552	PLC-OSP-120UC/ 48DC/100	PLC interface, consisting of base terminal block PLC-BSP... with spring-cage connection and pluggable miniature optocoupler, for mounting on DIN rail NS 35/7.5, input: 120 V AC/ 110 V DC / output: 3-48 V DC/ 100 mA
2967565	PLC-OSP-230UC/ 48DC/100	PLC interface, consisting of base terminal block PLC-BSP... with spring-cage connection and pluggable miniature optocoupler, for mounting on DIN rail NS 35/7.5, input: 230 V AC/ 220 V DC / output: 3-48 V DC/ 100 mA

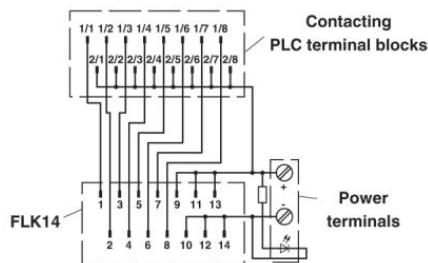
Solid-state relay sensor series

2900358	PLC-OPIT- 24DC/ 48DC/100/ SEN	PLC sensor interface, consisting of PLC-BPIT...SEN basic terminal block with push-in connection and pluggable miniature optocoupler, for assembly on DIN rail NS 35/7.5, input: 24 V DC, output: 3-48 V DC/100 mA
2900359	PLC-OPIT-120UC/ 48DC/100/ SEN	PLC sensor interface, consisting of PLC-BPIT...SEN basic terminal block with push-in connection and pluggable miniature optocoupler, for assembly on DIN rail NS 35/7.5, input: 120 V AC/ 110 V DC, output: 3-48 V DC/100 mA
2900361	PLC-OPIT-230UC/ 48DC/100/ SEN	PLC sensor interface, consisting of PLC-BPIT...SEN basic terminal block with push-in connection and pluggable miniature optocoupler, for assembly on DIN rail NS 35/7.5, input: 230 V AC/ 220 V DC, output: 3-48 V DC/100 mA
2966773	PLC-OSC- 24DC/ 48DC/100/ SEN	PLC sensor relay, consisting of base terminal block PLC-BSC...SEN with screw connection and pluggable miniature optocoupler, for assembly on DIN rail NS 35/7.5, input: 24 V DC, output: 3-48 V DC/ 100 mA

2966799	PLC-OSC-120UC/ 48DC/100/ SEN	PLC sensor relay, consisting of base terminal block PLC-BSC...SEN with screw connection and pluggable miniature optocoupler, for assembly on DIN rail NS 35/7.5, input: 120 V AC/ 110 V DC / output: 3-48 V DC/ 100 mA
2966809	PLC-OSC-230UC/ 48DC/100/ SEN	PLC sensor relay, consisting of base terminal block PLC-BSC...SEN with screw connection and pluggable miniature optocoupler, for assembly on DIN rail NS 35/7.5, input: 230 V AC/ 220 V DC / output: 3-48 V DC/ 100 mA
2967578	PLC-OSP- 24DC/ 48DC/100/ SEN	PLC sensor relay, consisting of base terminal block PLC-BSP...SEN with spring-cage connection and pluggable miniature optocoupler, for assembly on DIN rail NS 35/7.5, input: 24 V DC, output: 3-48 V DC/ 100 mA
2967581	PLC-OSP-120UC/ 48DC/100/ SEN	PLC sensor relay, consisting of base terminal block PLC-BSP...SEN with spring-cage connection and pluggable miniature optocoupler, for assembly on DIN rail NS 35/7.5, input: 120 V AC/ 110 V DC / output: 3-48 V DC/ 100 mA
2967594	PLC-OSP-230UC/ 48DC/100/ SEN	PLC sensor relay, consisting of base terminal block PLC-BSP...SEN with spring-cage connection and pluggable miniature optocoupler, for assembly on DIN rail NS 35/7.5, input: 230 V AC/ 220 V DC / output: 3-48 V DC/ 100 mA

Diagrams/Drawings

Circuit diagram



Connection scheme: PLC-V8/FLK14/IN

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