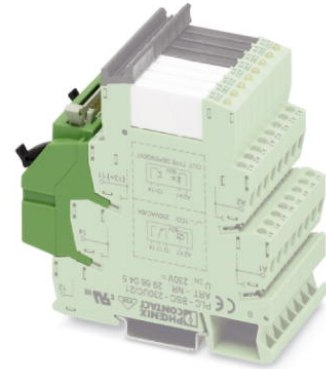


PLC-V8/FLK14/IN/M

Order No.: 2304115



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2304115>

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: Minus switching



Commercial data	
GTIN (EAN)	4017918924423
sales group	I650
Pack	1 pcs.
Customs tariff	85369010
Weight/Piece	0.0586 KG
Catalog page information	Page 115 (IF-2009)

Product notes

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



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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	94 mm
Depth	100 mm
Status display	LED green
Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °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

Connection data

Connection 1	Power supply
Number of connections	1
Type of connection	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
Type of connection	Flat-ribbon cable connector, in acc. with IEC 60603-13 (engagement catches based on IEC 60603-13)
Number of positions	14

Certificates / Approvals



Certification GL

Additional products

Item	Designation	Description
Electromechanical 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
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
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
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
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

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
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
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
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
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
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
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
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
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
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
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
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

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

General

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)
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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)
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
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

Solid-state relay

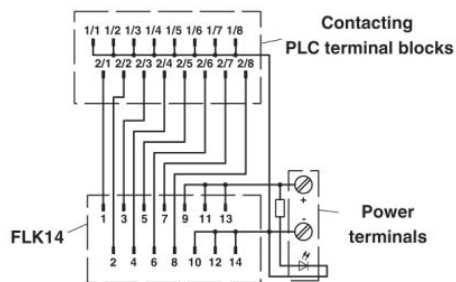
2900352	PLC-OPIT- 24DC/ 48DC/100	PLC interface, consisting of PLC-BPIT basic terminal block with push-in connection and pluggable miniature optocoupler, for assembly on DIN rail NS 35/7.5, input: 24 V DC, output: 3-48 V DC/100 mA
2900358	PLC-OPIT- 24DC/ 48DC/100/ SEN	PLC sensor interface, consisting 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
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
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
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

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
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
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
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
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
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
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
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
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
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
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
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
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/M

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