PHŒNIX CONTACT

System connection - PLC-V8L/FLK14/OUT/M - 2304306

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V8 adapter for 8 x PLC-INTERFACE (14 mm), controller: PLC system cabling of output cards, connection 1: Screw connection 1x, connection 2: IDC/FLK pin strip 1x 14-position, connection 3: Plug connection (Can be snapped onto 8x PLC-INTERFACE terminals), number of channels: 8, control logic: negative switching

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	4 017918 932916
GTIN	4017918932916

Technical data

Dimensions

Width	112.5 mm
Height	39 mm
Depth	56 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Degree of protection	IP20

General

Max. permissible operating voltage	30 V DC
Nominal voltage U_N	24 V DC
Max. permissible current	1 A (per signal path)
Max. permissible total current	3 A (Power supply)
Number of positions	14
Status display	Green LED
Mounting position	any
Assembly instructions	In rows with zero spacing

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Technical data

Connection data

Connection name	Supply
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Number of connections	1
Conductor cross section solid	0.2 mm² ... 4 mm²
Conductor cross section flexible	0.2 mm² ... 2.5 mm²
Conductor cross section AWG	24 ... 12

Connection data 2

Connection name	Controller level
Connection method	IDC/FLK pin strip
Number of connections	1
Number of positions	14
Pitch	2.54 mm

Connection data 3

Connection name	Field level
Connection method	Plug connection
Note	Can be snapped onto 8x PLC-INTERFACE terminals

Supported controller

Controller	ABB S800 I/O
- suitable I/O card	DO814
	DO818
Controller	MITSUBISHI MELSEC Q
- suitable I/O card	QX42
	QX42-S1
	QH42P
Controller	MITSUBISHI MELSEC L
- suitable I/O card	LY41NT1P
	LY42NT1P

Standards and Regulations

Connection in acc. with standard	CUL
Standards/regulations	IEC 60664
	DIN EN 50178
Rated insulation voltage	50 V
Rated surge voltage	0.5 kV (Functional insulation)
Pollution degree	2
Overvoltage category	II

Environmental Product Compliance
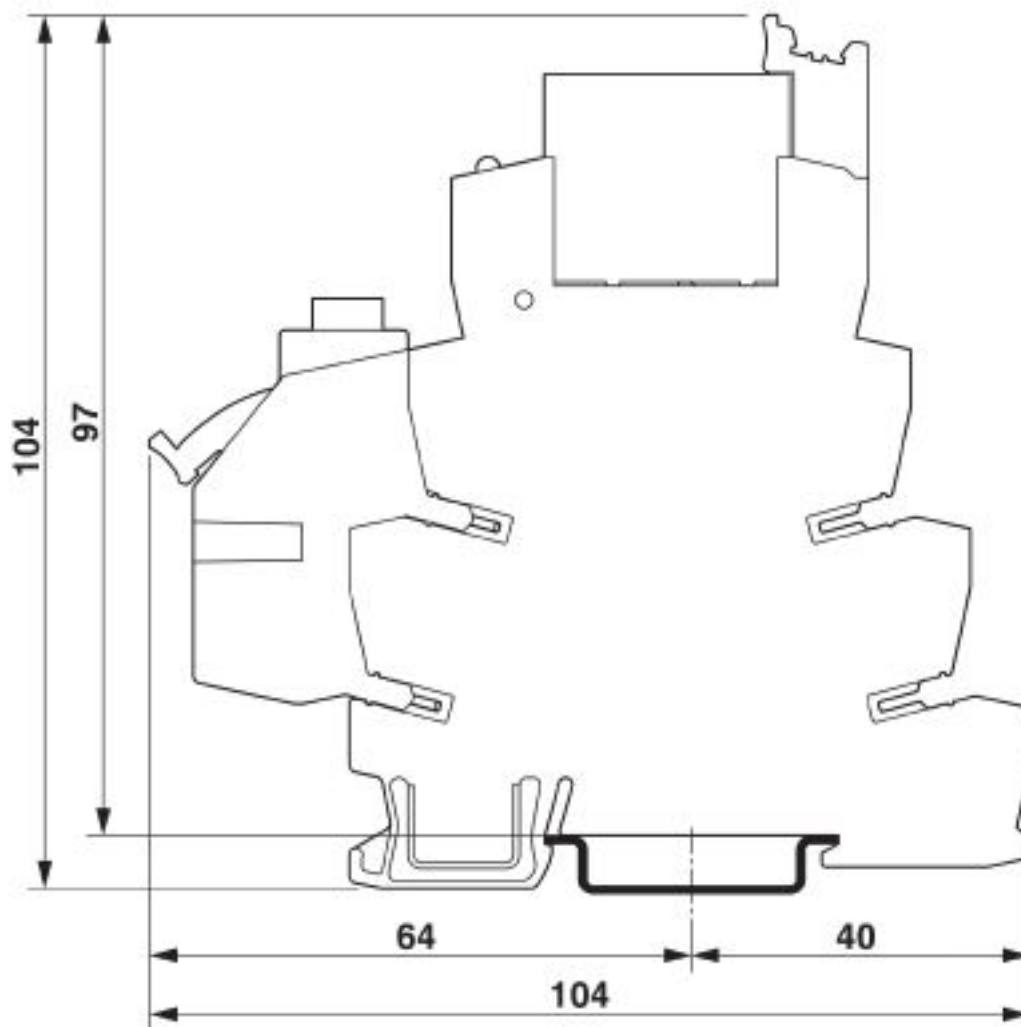
System connection - PLC-V8L/FLK14/OUT/M - 2304306

Technical data

Environmental Product Compliance

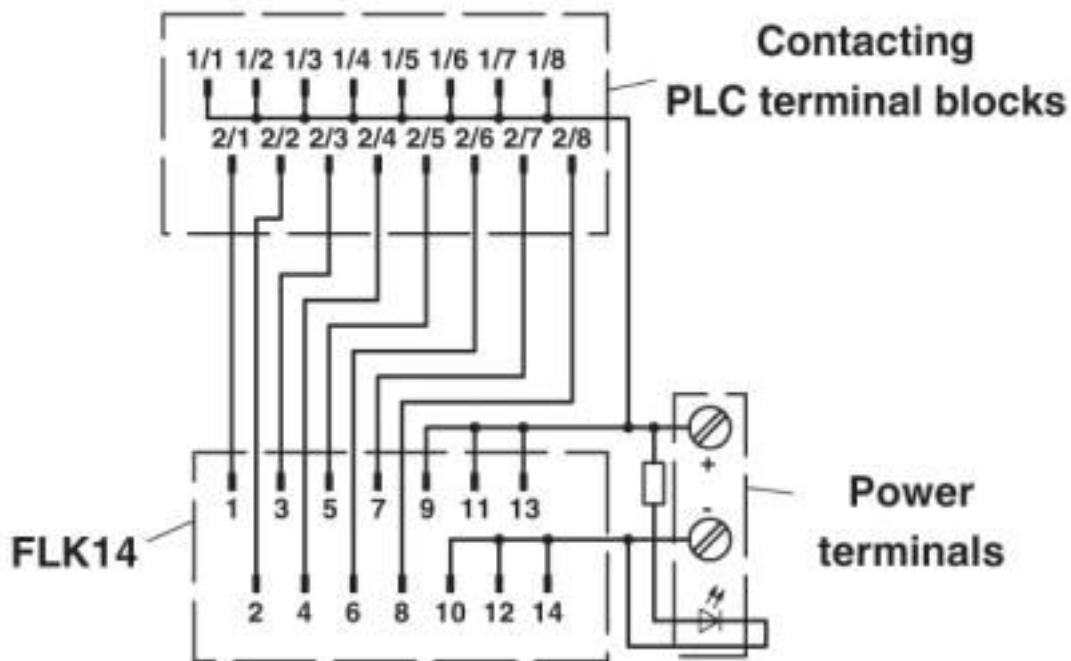| REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Dimensional drawing

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Circuit diagram

PLC-V8L/FLK14/OUT/M connection scheme

Classifications

eCl@ss

eCl@ss 10.0.1	27141152
eCl@ss 4.0	27250300
eCl@ss 4.1	27250300
eCl@ss 5.0	27242700
eCl@ss 5.1	27242700
eCl@ss 6.0	27242200
eCl@ss 7.0	27141152
eCl@ss 8.0	27141152
eCl@ss 9.0	27141152

ETIM

ETIM 5.0	EC002780
ETIM 6.0	EC002780
ETIM 7.0	EC002780

UNSPSC

UNSPSC 6.01	30211824
UNSPSC 7.0901	39121402
UNSPSC 11	39121402

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Classifications

UNSPSC

UNSPSC 12.01	39121402
UNSPSC 13.2	39121432
UNSPSC 18.0	39121432
UNSPSC 19.0	39121432
UNSPSC 20.0	39121432
UNSPSC 21.0	39121432

Approvals

Approvals

Approvals

PRS / UL Listed / UL Recognized / cUL Recognized / cUL Listed / EAC / DNV GL / cULus Recognized / cULus Listed

Ex Approvals

UL Listed / cUL Listed / cULus Listed

Approval details

PRS		http://www.prs.pl/	TE/2109/880590/16

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 172140

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705

Nominal voltage UN	24 V
Nominal current IN	1 A

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705

Nominal voltage UN	24 V
Nominal current IN	1 A

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Approvals

cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 172140

EAC		RU*DE.*08.B.01517/19

DNV GL		https://approvalfinder.dnvgl.com/	TAE0000196-03

cULus Recognized	

cULus Listed	

Accessories

Necessary add-on products

Relay Module - PLC-RPT- 24DC/21HC - 2900291

PLC-INTERFACE for high continuous currents, consisting of PLC-BPT.../21 HC basic terminal block with push-in connection and plug-in miniature relay, for mounting on DIN rail NS 35/7,5, limiting continuous current up to 10 A, 1 PDT, input voltage 24 V DC

Relay Module - PLC-RSC- 24DC/21HC - 2967620

PLC-INTERFACE, consisting of PLC-BSC.../21 HC basic terminal block with screw connection and plug-in miniature relay for a high continuous current, for mounting on DIN rail NS 35/7,5, limiting continuous current up to 10 A, 1 PDT, input voltage 24 V DC

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Accessories

Relay base - PLC-BPT- 24DC/21-21 - 2900283

14 mm PLC basic terminal block with push-in connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, 2 PDTs, input voltage 24 V DC

Relay Module - PLC-RSC- 24DC/21-21 - 2967060

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, 2 PDT, input voltage 24 V DC

Relay Module - PLC-RPT- 24DC/21-21AU - 2900338

PLC-INTERFACE, consisting of PLC-BPT.../21-21 basic terminal block with push-in connection and plug-in miniature relay with multi-layer gold contact, for mounting on DIN rail NS 35/7,5, 2 PDTs, input voltage 24 V DC

Relay Module - PLC-RSC- 24DC/21-21AU - 2967125

PLC-INTERFACE, consisting of PLC-BSC.../21 basic terminal block with screw connection and plug-in miniature relay with multi-layer gold contact, for mounting on DIN rail NS 35/7,5, 2 PDTs, input voltage 24 V DC

Relay Module - PLC-RPT- 24DC/ 1IC/ACT - 2900298

PLC-INTERFACE for high switch-on currents, consisting of PLC-BPT.../1 IC/ACT basic terminal block with push-in connection and plug-in miniature relay, for mounting on DIN rail NS 35/7,5, max. switch-on current up to 130 A, 1 N/O contact, input voltage 24 V DC

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Accessories

Relay Module - PLC-RSC- 24DC/ 1IC/ACT - 2967604

PLC-INTERFACE for high switch-on currents, consisting of PLC-BSC.../1 IC/ACT basic terminal block with screw connection and plug-in miniature relay, for mounting on DIN rail NS 35/7,5, max. switch-on current up to 130 A, 1 N/O contact, input voltage 24 V DC

Relay Module - PLC-RSC- 24DC/ 1- 1/ACT - 2967109

PLC-INTERFACE for output functions, consisting of PLC-BSC.../ACT basic terminal block with screw connection and plug-in miniature relay with power contact, for mounting on DIN rail NS 35/7,5, 2 N/O contacts (1-1), input voltage 24 V DC

Solid-state relay module - PLC-OSC- 24DC/ 24DC/ 5/ACT - 2982786

PLC-INTERFACE for output functions, consisting of PLC-BSC.../ACT basic terminal block with screw connection and plug-in miniature solid-state relay, for mounting on DIN rail NS 35/7,5, 1 N/O contact, input: 24 V DC, output: 3 ... 33 V DC/5 A

Solid-state relay module - PLC-OSC- 24DC/230AC/ 2/ACT - 2982760

PLC-INTERFACE for output functions, consisting of PLC-BSC.../ACT basic terminal block with screw connection and plug-in miniature solid-state relay, for mounting on DIN rail NS 35/7,5, 1 N/O contact, input: 24 V DC, output: 24 - 253 V AC/2 A

Relay Module - PLC-RSC- 24DC/21-21/MS - 2910502

PLC-INTERFACE, consisting of a relay base and pluggable power contact relay with manual operation, integrated status LED and freewheeling diode, Screw connection, 2 PDT, Input voltage: 24 V DC

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Accessories

Relay Module - PLC-RSC- 24DC/21-21AU/MS - 2910507

PLC-INTERFACE, consisting of a relay base and pluggable multilayer gold contact relay with manual operation, integrated status LED and freewheeling diode, Screw connection, 2 PDT, Input voltage: 24 V DC

Relay Module - PLC-RSC- 24DC/21HC/MS - 2910514

PLC-INTERFACE, consisting of a relay base and pluggable power contact relay with manual operation, integrated status LED and freewheeling diode, Screw connection, 1 PDT, Input voltage: 24 V DC

Relay Module - PLC-RPT- 24DC/21-21/MS - 2910519

PLC-INTERFACE, consisting of a relay base and pluggable power contact relay with manual operation, integrated status LED and freewheeling diode, Push-in connection, 2 PDT, Input voltage: 24 V DC

Relay Module - PLC-RPT- 24DC/21-21AU/MS - 2910524

PLC-INTERFACE, consisting of a relay base and pluggable multilayer gold contact relay with manual operation, integrated status LED and freewheeling diode, Push-in connection, 2 PDT, Input voltage: 24 V DC

Relay Module - PLC-RPT- 24DC/21HC/MS - 2910530

PLC-INTERFACE, consisting of a relay base and pluggable power contact relay with manual operation, integrated status LED and freewheeling diode, Push-in connection, 1 PDT, Input voltage: 24 V DC

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