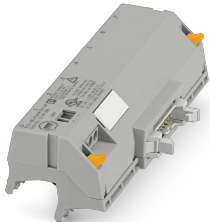


System connection - PLC-V8L/FLK14/OUT/M - 2304306


Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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: minusschaltend



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 932916
GTIN	4017918932916
Weight per Piece (excluding packing)	81.600 g
Custom tariff number	85389099
Country of origin	Germany

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

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

Technical data

General

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

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 mm ² ... 4 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
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

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

Technical data

Supported controller

	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

Conformance/approvals

Designation	UL, USA/Canada
Identification	Class I, Div. 2, Groups A, B, C, D T4
Designation	UL, Canada
Identification	Class I, Zone 2, Ex nA IIC Gc T4 X
Designation	UL, USA
Identification	Class I, Zone 2, AEx nA IIC T4

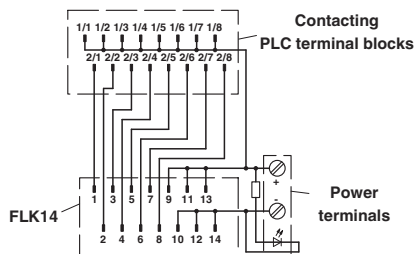
Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

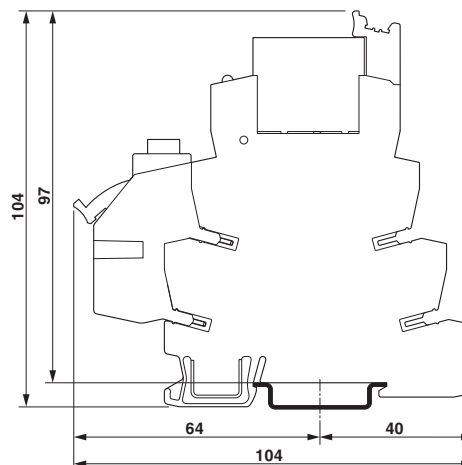
System connection - PLC-V8L/FLK14/OUT/M - 2304306

Circuit diagram



PLC-V8L/FLK14/OUT/M connection scheme

Dimensional drawing



Classifications

eCl@ss

eCl@ss 10.0.1	27141152
eCl@ss 11.0	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 9.0	27141152

ETIM

ETIM 6.0	EC002780
ETIM 7.0	EC002780

UNSPSC

UNSPSC 6.01	30211824
UNSPSC 7.0901	39121402
UNSPSC 11	39121402
UNSPSC 12.01	39121402
UNSPSC 13.2	39121432
UNSPSC 18.0	39121432
UNSPSC 19.0	39121432
UNSPSC 20.0	39121432

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

Classifications

UNSPSC

UNSPSC 21.0	39121432
-------------	----------

Approvals

Approvals

Approvals

PRS / UL Listed / UL Recognized / cUL Recognized / cUL Listed / 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

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

Approvals

cUL Listed



<http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm>

FILE E 172140

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 changeover contact, 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 high continuous current, for mounting on DIN rail NS 35/7,5, limiting continuous current up to 10 A, 1 changeover contact, input voltage 24 V DC

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

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 changeover contacts, input voltage 24 V DC

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



PLC-INTERFACE, consisting of basic terminal block PLC-BSC.../21 with screw connection and plug-in miniature relay with power contact, for assembly on DIN rail NS 35/7,5, 2 changeover contacts, 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 changeover contacts, 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 changeover contacts, 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

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

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 changeover contacts, Input voltage: 24 V DC

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

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 changeover contacts, 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 changeover contact, 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 changeover contacts, 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 changeover contacts, 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 changeover contact, Input voltage: 24 V DC
