

2910154

https://www.phoenixcontact.com/us/products/2910154

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Relay module for VIP I/O-Marshalling base elements. For switching 120 V AC loads up to max. 3 A. Integrated fuse and fuse failure indication. N/O contact or N/C contact can be used.

Product description

Relay module for digital output signals for switching loads with max. 3 A nominal current and a maximum voltage of 120 V AC. The switch contact is protected by an integrated replaceable 3 A fuse. If the fuse fails, this is indicated by an LED. A plug-in bridge determines whether an N/O contact or an N/C contact is used. The module is installed on a corresponding VIP I/O-Marshalling base element by means of plug-in contact. Installation in zone 2, "ec" type of protection is permitted.

Your advantages

- · Output blown fuse indication
- · Active relay coil indication
- · Two-stage progressive release allowing for voltage checks with field-powered devices
- · Channel for marking accessories
- · Replaceable TE5-style fusing
- 120 V internal marshalling option for connected field device
- Integrated keying reduces possible user error during replacement
- 1 PDT relay with user selectable NO or NC contact

Commercial data

Item number	2910154
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C480
Product key	CK8222
Catalog page	Page 556 (C-5-2017)
GTIN	4055626447285
Weight per piece (including packing)	68.2 g
Weight per piece (excluding packing)	71.2 g
Customs tariff number	85364900
Country of origin	US



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Technical data

Product properties

Product type	Relay Module
Product family	VIP I/O-Marshalling
Application	Output function
Operating mode	100% operating factor
Mechanical service life	2x 10 ⁷ cycles
Data management status Date of last data management	21.05.2024
Article revision	08
Insulation characteristics	
Overvoltage category	II
Pollution degree	2

Input data

Coil side

Nominal input voltage U _N	24 V DC
Input voltage range in reference to U _N	0.9 1.1
Typical input current at U _N	13.5 mA
Typical response time	5 ms
Typical release time	8 ms
Protective circuit	Reverse polarity protection; Polarity protection diode
	Freewheeling diode; Freewheeling diode
Operating voltage display	Yellow LED

Output data

Switching

Contact switching type 1 changeover contact Type of switch contact Single contact Contact connection type Power contact Contact material AgSnO Maximum switching voltage 120 V AC Limiting continuous current 3 A (fuse limited) Maximum inrush current on request Min. switching current 10 mA (at 12 V) Interrupting rating (ohmic load) max. 23 W (at 110 V DC) 360 VA (at 120 V AC)		
Contact connection type Power contact AgSnO Maximum switching voltage 120 V AC Limiting continuous current 3 A (fuse limited) Maximum inrush current on request Min. switching current 10 mA (at 12 V) Interrupting rating (ohmic load) max.	Contact switching type	1 changeover contact
Contact material AgSnO Maximum switching voltage 120 V AC Limiting continuous current 3 A (fuse limited) Maximum inrush current on request Min. switching current 10 mA (at 12 V) Interrupting rating (ohmic load) max. 23 W (at 110 V DC)	Type of switch contact	Single contact
Maximum switching voltage Limiting continuous current 3 A (fuse limited) Maximum inrush current on request Min. switching current 10 mA (at 12 V) Interrupting rating (ohmic load) max. 23 W (at 110 V DC)	Contact connection type	Power contact
Limiting continuous current 3 A (fuse limited) Maximum inrush current on request Min. switching current 10 mA (at 12 V) Interrupting rating (ohmic load) max. 23 W (at 110 V DC)	Contact material	AgSnO
Maximum inrush current on request Min. switching current 10 mA (at 12 V) Interrupting rating (ohmic load) max. 23 W (at 110 V DC)	Maximum switching voltage	120 V AC
Min. switching current 10 mA (at 12 V) Interrupting rating (ohmic load) max. 23 W (at 110 V DC)	Limiting continuous current	3 A (fuse limited)
Interrupting rating (ohmic load) max. 23 W (at 110 V DC)	Maximum inrush current	on request
	Min. switching current	10 mA (at 12 V)
360 VA (at 120 V AC)	Interrupting rating (ohmic load) max.	23 W (at 110 V DC)
		360 VA (at 120 V AC)

Connection data

Control circuits



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Connection method

	· ··· carp
x data	
Safety data	
Input voltage U _i	24 V DC
Input current I _i	13.5 mA
·	
imensions	
Dimensional drawing	64.2
Width	10.3 mm
Height	64.2 mm
Depth	72.9 mm
aterial specifications	
Color	gray (RAL 7042)
Flammability rating according to UL 94	V0
Ambient conditions Degree of protection	IP20
Ambient temperature (operation)	-40 °C 70 °C
Ambient temperature (storage/transport)	-40 °C 70 °C
Altitude	≤ 2000 m
Permissible humidity (operation)	0 % 95 % (non-condensing)
oprovals ATEX Identification	® II 3G Ex ec nC IIC T4 Gc
Certificate	Sira 17ATEX4293X
	Olid ITATEA4293A
IECEx	
Identification	Ex ec nC IIC T4 Gc
Certificate	IECEx SIR 17.0078X
UKEX	
Identification	
Certificate	PxCIF23UKEX2910153X
UL, USA/Canada	
Identification	Class I, Div. 2, Groups A, B, C, D T4

Pin strip



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	Class I, Zone 2, Group IIC T4
CSA, USA/Canada	
Identification	Class I, Div. 2, Groups A, B, C, D T4
	Class I, Zone 2, AEx ec nC IIC T4 Gc
	Ex ec nC IIC T4 Gc
Standards and regulations Standards/regulations	IEC 60664
Standards/regulations	DIN EN 50178
Mounting	
Mounting type	Plug-in mounting
Assembly note Mounting position	Plugs into VIP/BASE
	any

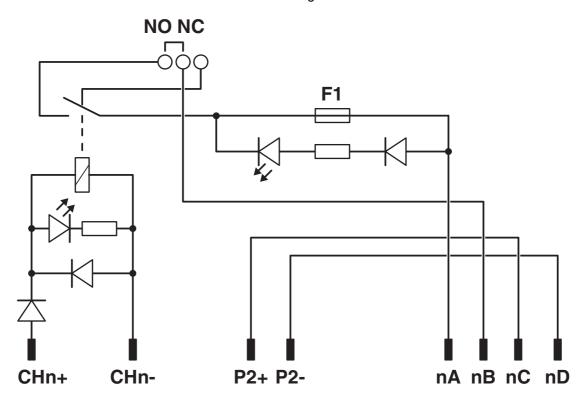


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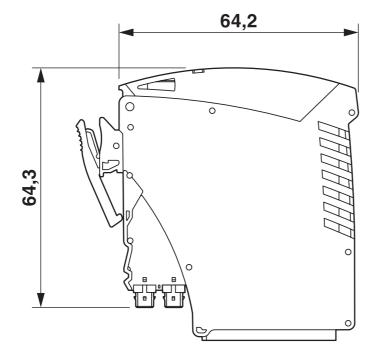
https://www.phoenixcontact.com/us/products/2910154

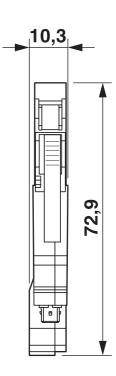
Drawings

Circuit diagram



Dimensional drawing







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Approvals

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IECEx

Approval ID: IECEx SIR 17.0078X



ATEX

Approval ID: SIRA 17ATEX4293X



CSA

Approval ID: 70134758



CSAus

Approval ID: 70134758



cUL Listed

Approval ID: FILE E 196811



UL Listed

Approval ID: FILE E 196811

cCSAus

cULus Listed



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Classifications

UNSPSC 21.0

ECLASS

	ECLASS-11.0	27371601
	ECLASS-12.0	27371601
	ECLASS-13.0	27371601
	TIM	
	ETIM 9.0	EC001437
UN	NSPSC	

39122300



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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(a), 7(c)-l
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	ec7713df-c8fa-4699-9336-78a33ac4de84



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Mandatory accessories

VIP/S/MC/BASE 1-8/L/EX - Base module

2906596

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8-channel VIP I/O marshalling base element for universal use. All connections as screw connection technology. With the COMBICON connector, compatible with the Honeywell C300 and RUSIO series. Marking for channels 1–8.

VIP/S/MC/BASE 9-16/L/EX - Base module

2906630

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8-channel VIP I/O marshalling base element for universal use. All connections as screw connection technology. With the COMBICON connector, compatible with the Honeywell C300 and RUSIO series. Marking for channels 9–16.



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VIP/S/MC/BASE 17-24/L/EX - Base module

2907024

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8-channel VIP I/O marshalling base element for universal use. All connections as screw connection technology. With the COMBICON connector, compatible with the Honeywell C300 and RUSIO series. Marking for channels 17–24.

VIP/S/MC/BASE 25-32/L/EX - Base module

2907025

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8-channel VIP I/O marshalling base element for universal use. All connections as screw connection technology. With the COMBICON connector, compatible with the Honeywell C300 and RUSIO series. Marking for channels 25–32.



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VIP/S/MC/BASE 1-8/L/C/EX - Base module

2907186

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8-channel VIP I/O marshalling base element for universal use. All connections as screw connection technology. With the COMBICON connector, compatible with the Honeywell C300 and RUSIO series. Marking for channels 1–8 and painting.

VIP/S/MC/BASE 9-16/L/C/EX - Base module

2907187

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8-channel VIP I/O marshalling base element for universal use. All connections as screw connection technology. With the COMBICON connector, compatible with the Honeywell C300 and RUSIO series. Marking for channels 9–16 and painting.



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VIP/S/MC/BASE 17-24/L/C/EX - Base module

2907209

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8-channel VIP I/O marshalling base element for universal use. All connections as screw connection technology. With the COMBICON connector, compatible with the Honeywell C300 and RUSIO series. Marking for channels 17–24 and painting

VIP/S/MC/BASE 25-32/L/C/EX - Base module

2907210

https://www.phoenixcontact.com/us/products/2907210



8-channel VIP I/O marshalling base element for universal use. All connections as screw connection technology. With the COMBICON connector, compatible with the Honeywell C300 and RUSIO series. Marking for channels 25–32 and painting.



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VIP/S/D25M/BASE 1-8/L/C/EX - Base module

2906595

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8-channel VIP I/O marshalling base element for universal use. All connections as screw connection technology. This module with the D-SUB 25 connector is pin compatible with the Foxboro I/A series DCS.

VIP/MSTB/D50M/BASE/16CH/CX/EX - Base module

2908788

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16-channel VIP I/O marshalling base element for universal use. Plug-in field and supply terminals available as accessories. Either with screw or Push-in connection technology. Compatible with the Tricon CX DCS series (D-SUB 50).



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BASE-MSTB/D37M/16CH/EX - Base module

1065476

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16-channel VIP I/O marshalling base element with 37-pos. D-SUB connector for universal use. Plug-in field and supply terminals available as accessories. Either with screw or Push-in connection technology.

Accessories

UC-TM 6 - Marker for terminal blocks

0818085

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Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 5.6×10.5 mm, Number of individual labels: 80



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UC-TM 6 BU - Marker for terminal blocks

0818344

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Marker for terminal blocks, Sheet, blue, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 5.6 x 10.5 mm, Number of individual labels: 80

ZB 5,08:UNBEDRUCKT - Zack marker strip

0809793

https://www.phoenixcontact.com/us/products/0809793



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 5.08 mm, lettering field size: 4.98 x 10.5 mm, Number of individual labels: 10



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B-STIFT - Marker pen

1051993

https://www.phoenixcontact.com/us/products/1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

FUSE/TE5/3.15A/F-10PCS - Fuse set

2906442

https://www.phoenixcontact.com/us/products/2906442



Plug-in fuse (TE5®); nominal current: 3.15 A; tripping behavior: fast-blow (F)

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