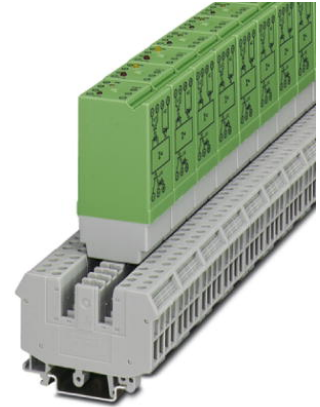


ST-OV4- 24DC/ 24DC/4-PRO

Order No.: 2905585

The illustration shows the version ST-OV4- 24DC/24DC/1-PRO

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2905585>

Pluggable protection circuit power optocoupler, with signal logic,
pluggable on 4-position basic termination blocks, input: 24 V DC,
output: short-circuit resistant, 18-36 V DC/4 A

Commercial data

GTIN (EAN)	
sales group	G101
Pack	10 pcs.
Customs tariff	85364190
Catalog page information	Page 139 (IF-2009)

Product notes

WEEE/RoHS-compliant since:
10/17/2006



[http://
www.download.phoenixcontact.com](http://www.download.phoenixcontact.com)
Please note that the data given
here has been taken from the
online catalog. For comprehensive
information and data, please refer
to the user documentation. The
General Terms and Conditions of
Use apply to Internet downloads.

Technical data

Input data

Nominal input voltage U_N	24 V DC $\pm$ 50%
Switching threshold "0" signal, voltage	5 V DC
Switching threshold "1" signal voltage	8.5 V DC
Typical input current at U_N	6.5 mA

Typical response time	300 µs
Typical turn-off time	700 µs
Status display	Yellow LED
Operating voltage display	Yellow LED
Type of protection	Protection against polarity reversal
Protective circuit/component	Polarity protection diode
Transmission frequency	100 Hz

Output data

Output nominal voltage range	18 V DC ... 36 V DC
Limiting continuous current	4 A (see derating curve)
Min. load current	1 mA
Current limitation at short-circuits	Approx. 70 A
Voltage drop at max. limiting continuous current	200 mV
Output circuit	3-conductor, ground-referenced
Indication	Red LED
Type of protection	Protection against polarity reversal
	Free-wheeling diode
Protective circuit/component	Damping diode
Output nominal voltage range	5 V DC ... 36 V DC
Limiting continuous current	50 mA
Voltage drop at max. limiting continuous current	≤ 1.5 V
Output circuit	2-wire, floating
Type of protection	Protection against polarity reversal
Protective circuit/component	Polarity protection diode

General data

Width	27 mm
Height	63.5 mm
Depth	114 mm
Test voltage input/output	2.5 kV AC
Test voltage output/output	2.5 kV AC
Ambient temperature (operation)	0 °C ... 60 °C
Ambient temperature (storage/transport)	0 °C ... 70 °C
Mounting position	Any
Assembly instructions	In rows with zero spacing

Standards/regulations	IEC 60664
	EN 50178
	IEC 62103
Rated surge voltage / insulation	Basic insulation

Certificates / Approvals

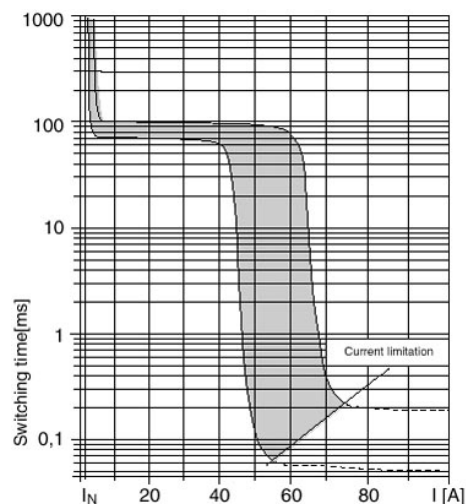
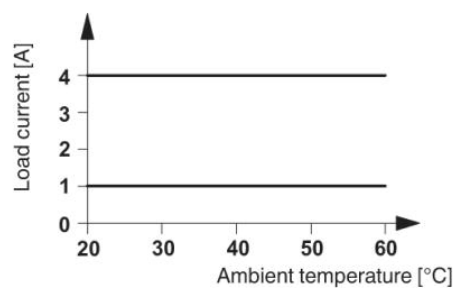


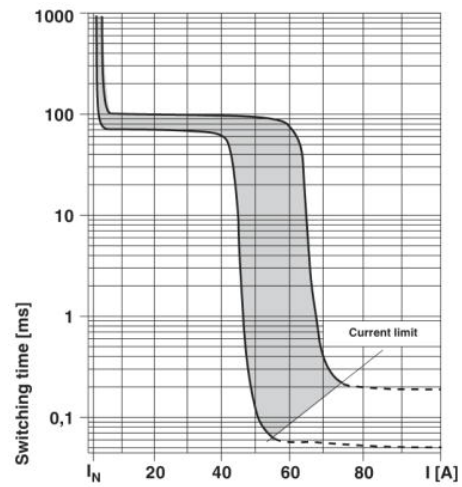
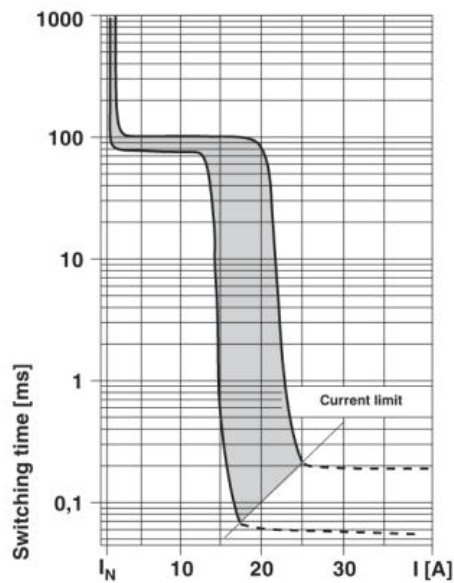
Certification

GOST

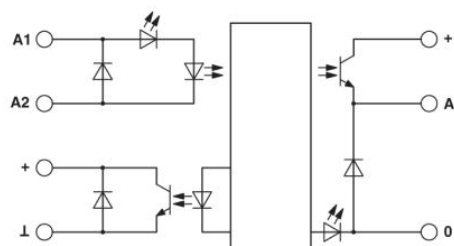
Diagrams/Drawings

Diagram





Circuit diagram



1 = protection and signal logic

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