

Miniature solid-state relay - OPT-60DC/ 48DC/100 - 2966621

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Plug-in miniature solid-state relay, input solid-state relay, 1 N/O contact, input: 60 V DC, output: 3 - 48 V DC/100 mA


The illustration shows the version OPT-24DC/48DC/100

Product Features

- Vibration and shock resistant
- RT III wash tight (comparable with IP67)
- Wear-free and durable
- Can be soldered on PCB
- Zero voltage switch at AC output
- Switching power of up to 24 V DC/5 A



Key commercial data

Packing unit	1 pc
Minimum order quantity	10 pc
GTIN	 4 017918 130473
Weight per Piece (excluding packing)	5.18 GRM
Custom tariff number	85364110
Country of origin	Hungary

Technical data

Dimensions

Width	5 mm
Height	28 mm
Depth	15 mm

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Technical data

Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C

Input data

Nominal input voltage U_N	60 V DC
Input voltage range in reference to U_N	0.9 ... 1.1
Switching threshold "0" signal, voltage	≤ 40 V
Switching threshold "1" signal voltage	≥ 52 V
Typical input current at U_N	3 mA
Typical response time	50 μ s (at U_N)
Typical turn-off time	800 μ s (at U_N)
Transmission frequency	100 Hz

Output data

Output voltage range	3 V DC ... 48 V DC
Limiting continuous current	100 mA
Voltage drop at max. limiting continuous current	≤ 1 V
Output circuit	2-wire, floating
Type of protection	Protection against polarity reversal
	Surge protection
Protective circuit/component	Polarity protection diode

Connection data

Connection method	Plug / solder connection
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General

Test voltage input/output	2.5 kV (50 Hz, 1 min.)
Mounting position	any
Assembly instructions	In rows with zero spacing
Operating mode	100% operating factor
Designation	Standards/regulations
Standards/regulations	IEC 60664
	EN 50178
	IEC 62103
Rated surge voltage / insulation	Basic insulation
Pollution degree	2
Surge voltage category	III

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Classifications

eCl@ss

eCl@ss 4.0	27371102
eCl@ss 4.1	27371102
eCl@ss 5.0	27371001
eCl@ss 5.1	27371001
eCl@ss 6.0	27371604
eCl@ss 7.0	27371604
eCl@ss 8.0	27371604

ETIM

ETIM 2.0	EC001504
ETIM 3.0	EC001504
ETIM 4.0	EC001504
ETIM 5.0	EC001504

UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121542
UNSPSC 11	39121542
UNSPSC 12.01	39121542
UNSPSC 13.2	39121542

Approvals

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UL Recognized / cUL Recognized / GOST / GL / UL Recognized / cUL Recognized / cULus Recognized

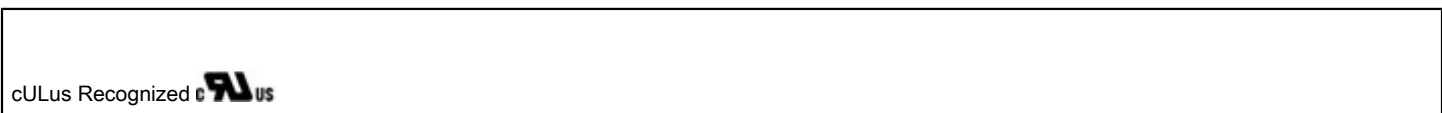
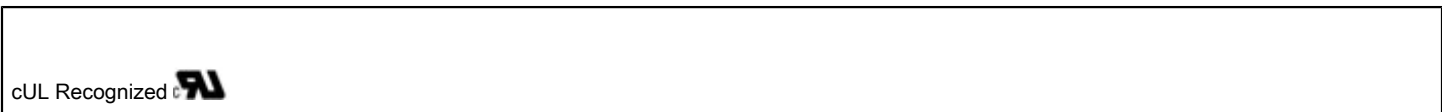
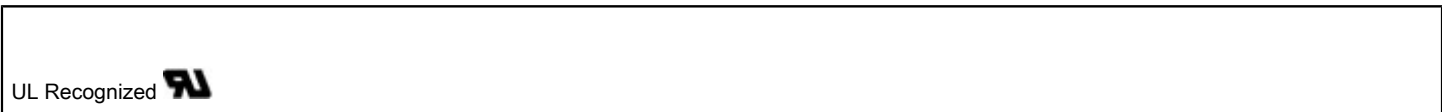
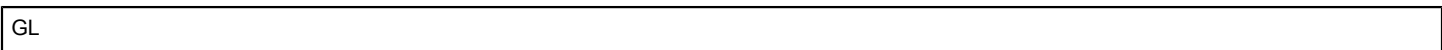
Ex Approvals

Approvals submitted

Approval details

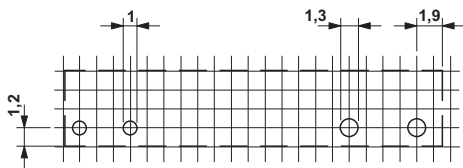
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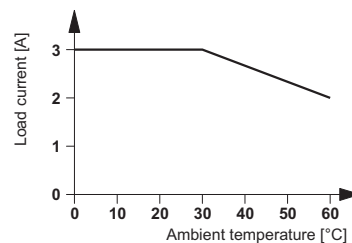
Drawings

Drilling diagram



a = pitch division 1.25 mm and 1.27 mm

Diagram



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Circuit diagram

