DATASHEET
Thermal Overload Relay



Main Features

Reference	: RW27
Product code	: 12140412
Compatibility	: See note 1
Current range	: 7-10 A

Basic data

Rated voltage Ue	
- IEC	: 690 V
- UL	: 600 V
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- UL	: 600 V
Rated impulse withstand voltage Uimp	: 6 kV
Number of poles	: 2 poles
Trip class	: 10
Operation frequency	: 25...400Hz
Suitable for use with DC loads	: Yes
Maximum operating frequency	: 15 ops./h
Resistance to impact (IEC 60068-2-27)	: 10/11 g/ms

Installation

Degree of protection (IEC 60529)	
- Main terminals	: IP10
- Auxiliary terminals	: IP20

Main contacts

Rated voltage Ue	
- IEC	: 690 V
- UL	: 600 V
Max. Fuse (type 2 coordination)	: 25gL/gG
Average power dissipation per pole	: 3 W

Auxiliary contacts

Insulation voltage Ui	
- IEC	: 690 V
- UL	: 600 V
Rated operational voltage Ue (acc. to UL)	: 600 V
Rated thermal current Ith (θ = 55ºC)	: 6 A
Rated current Ie AC-14/AC-15 (IEC 60947-5-1)	
- 24 V	: 4 A
- 60 V	: 3,5 A
- 125 V	: 3 A
- 230 V	: 2 A
- 400 V	: 1,5 A
- 500 V	: 0,5 A
- 690 V	: 0,3 A
Rated current Ie - DC-DC-13/14 (IEC 60947-5-1)	
- 24V	: 1 A
- 60V	: 0,5 A
- 110V	: 0,25 A
- 220V	: 0,1 A
Short circuit protection with fuses (gL/gG)	: 6gL/gG
Rated current Ie - UL, CSA	
- Rated operational current	: C600
- DC Rated operational current	: R300

Connection

Power circuit

Type of screw	:
Terminal capacity:	
Flex (IEC)	: ...
Conductors with wire/terminal drive (IEC)	: ...
Wire/cable AWG (UL)	: ...
Tightening torque	
- IEC	:
- UL	:

Auxiliary contacts

Screw type	: M3,5x10 Phillips
Terminal capacity:	
Flex cable (IEC)	: 1 mm² .... 2,5 mm²

Wire/cable AWG (UL)	: 16 AWG ... 12 AWG
Tightening torque	
- IEC	: 1,5 N.m
- UL	: 13 lb.in

Ambient conditions

Temperature	
- Operating	: -20 °C (-4 °F) ... +70 °C (158 °F)
- Temperature for transport and storage	: -50 °C (-58 °F) ... +80 °C (176 °F)
Temperature compensation (IEC 60947-4-1)	: -20 °C (-4 °F) ... +60 °C (140 °F)
Normal conditions	: 2000 m (6562 ft)

Current reduction factor:

Altitude (h)	Operational voltage	Current correction factor
h ≤ 2000 m	690 V	1 x In
2000 m < h ≤ 3000 m	550 V	0,96 x In
3000 m < h ≤ 4000 m	480 V	0,93 x In
4000 m < h ≤ 5000 m	420 V	0,9 x In

Dimensions

Height	: 72 mm / 2.83 in
Width	: 45 mm / 1.77 in
Depth	: 82 mm / 3.23 in
Gross weight	: 0,165 kg / 0.36 lb

Standards

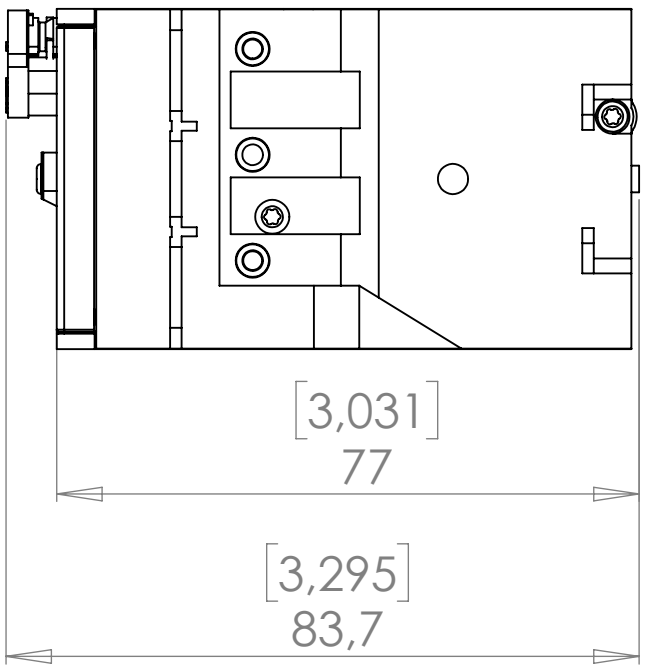
- IEC 60947-4-1
- CSA C.22.2/14
- UL 60947-4-1 (UL 508)

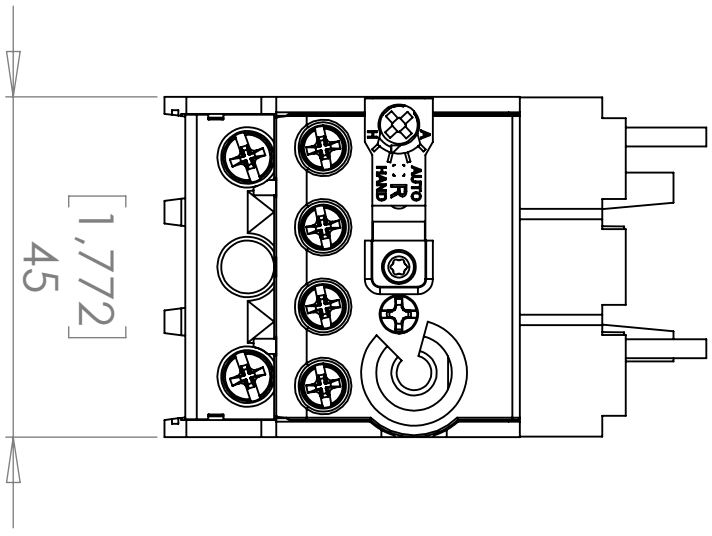
Certifications

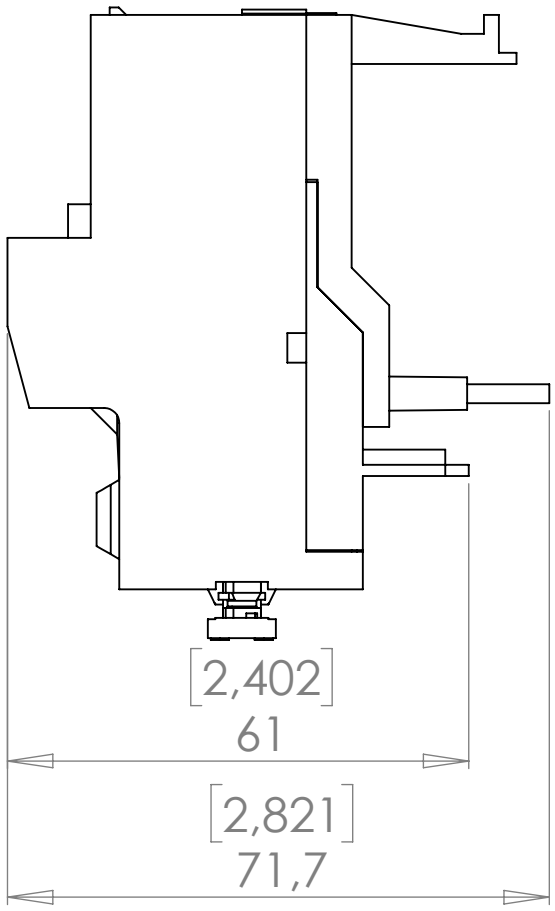
- Certification: CE
- Certification: IRAM
- Certification: UL

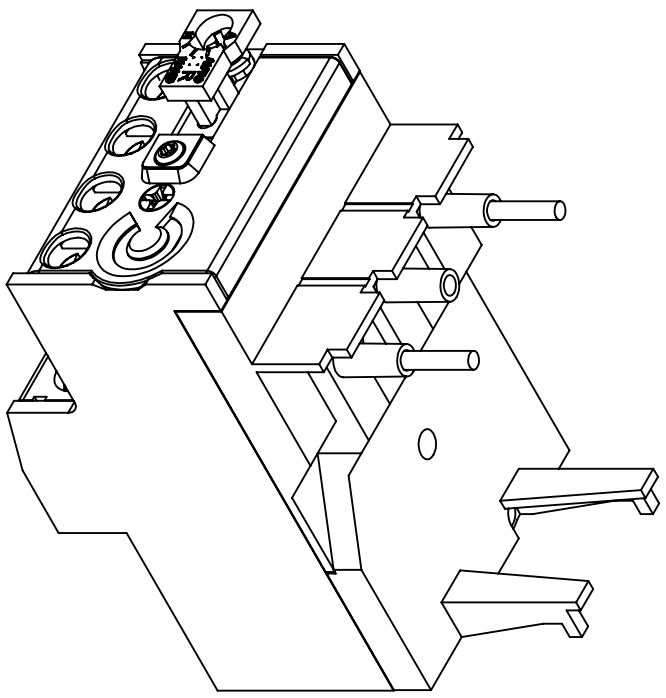
Notes

1) Mounting: Direct on the contactor or by screw and rail DIN 35 mm (EN 50022) using accessory;
2) Image merelly illustrative.









RW27-2D2

08/06/2018

1:1

mm [inches]

A3

Sujeito a alteração sem aviso prévio. As informações contidas são valores de referência.
The values shown are subject to change without prior notice. The information is for reference only.

Los valores demostrados pueden ser cambiados sin aviso previo. La información és de referencia solamente.