DATASHEET
Thermal Overload Relay



Main Features

Reference	: RW317
Product code	: 10045647
Compatibility	: See note 1
Current range	: 100-150 A

Basic data

Rated voltage Ue	
- IEC	: 690 V
- UL	: 600 V
- IEC	: 1000 V
- UL	: 600 V
Rated impulse withstand voltage Uimp	: 8 kV
Number of poles	: 3 poles
Trip class	: 10
Operation frequency	: 50/60Hz
Suitable for use with DC loads	: No
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	: IP00
- Auxiliary terminals	: IP20

Main contacts

Rated voltage Ue	
- IEC	: 690 V
- UL	: 600 V
Max. Fuse (type 2 coordination)	: 315gL/gG
Average power dissipation per pole	: 15 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	: M8x25
Terminal capacity:	
Flex (IEC)	: Not applicable ... Not applicable
Conductors with wire/terminal drive (IEC)	: Not applicable ... Not applicable
Wire/cable AWG (UL)	: Not applicable ... 1 AWG
Tightening torque	
- IEC	: 16 N.m
- UL	: 141 lb.in

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	: 155 mm / 6.10 in
Width	: 115 mm / 4.53 in
Depth	: 166 mm / 6.54 in
Gross weight	: 1,985 kg / 4.38 lb

Standards

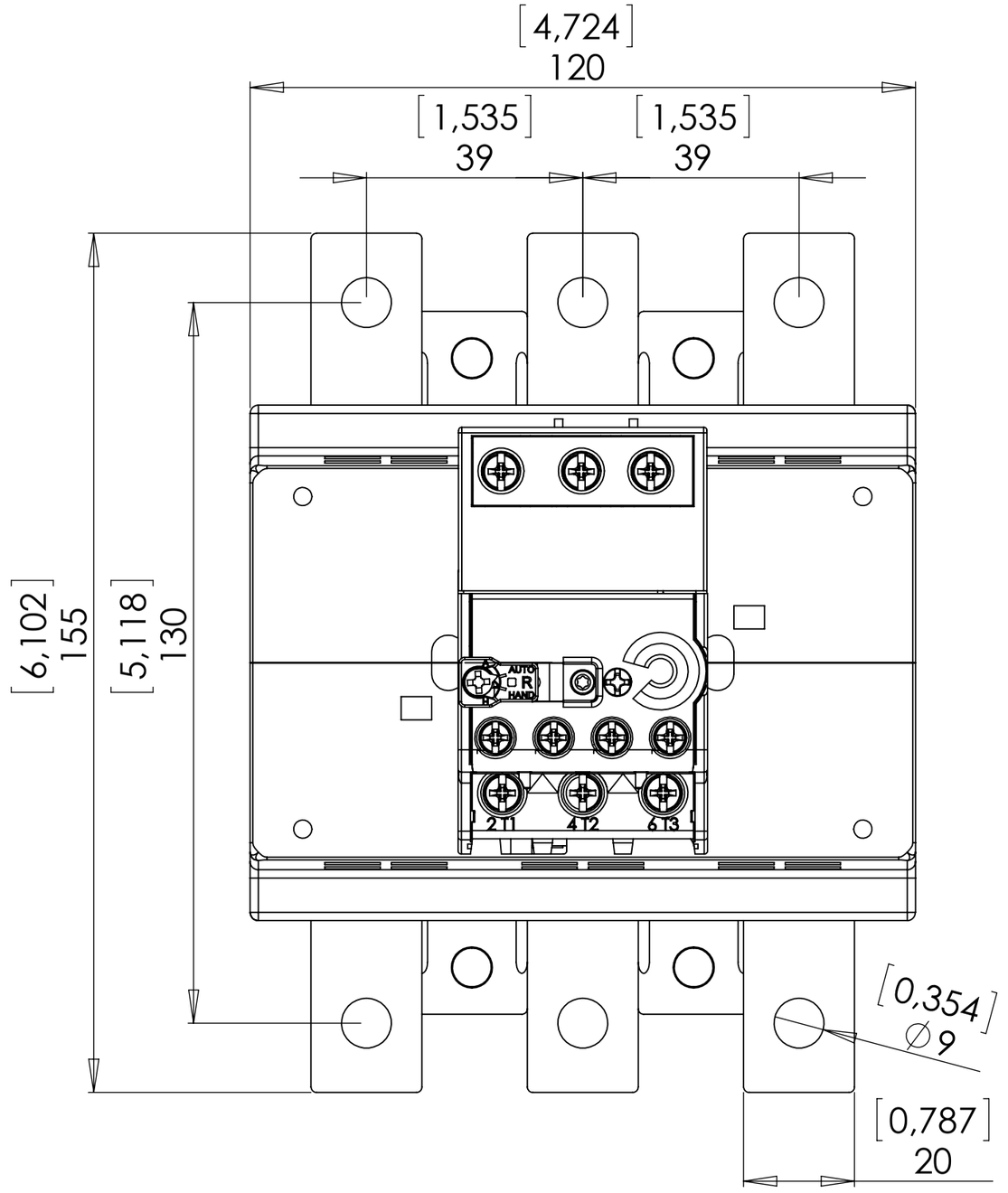
- IEC 60947-4-1
- CSA C.22.2/14
- UL 60947-4-1 (UL 508)

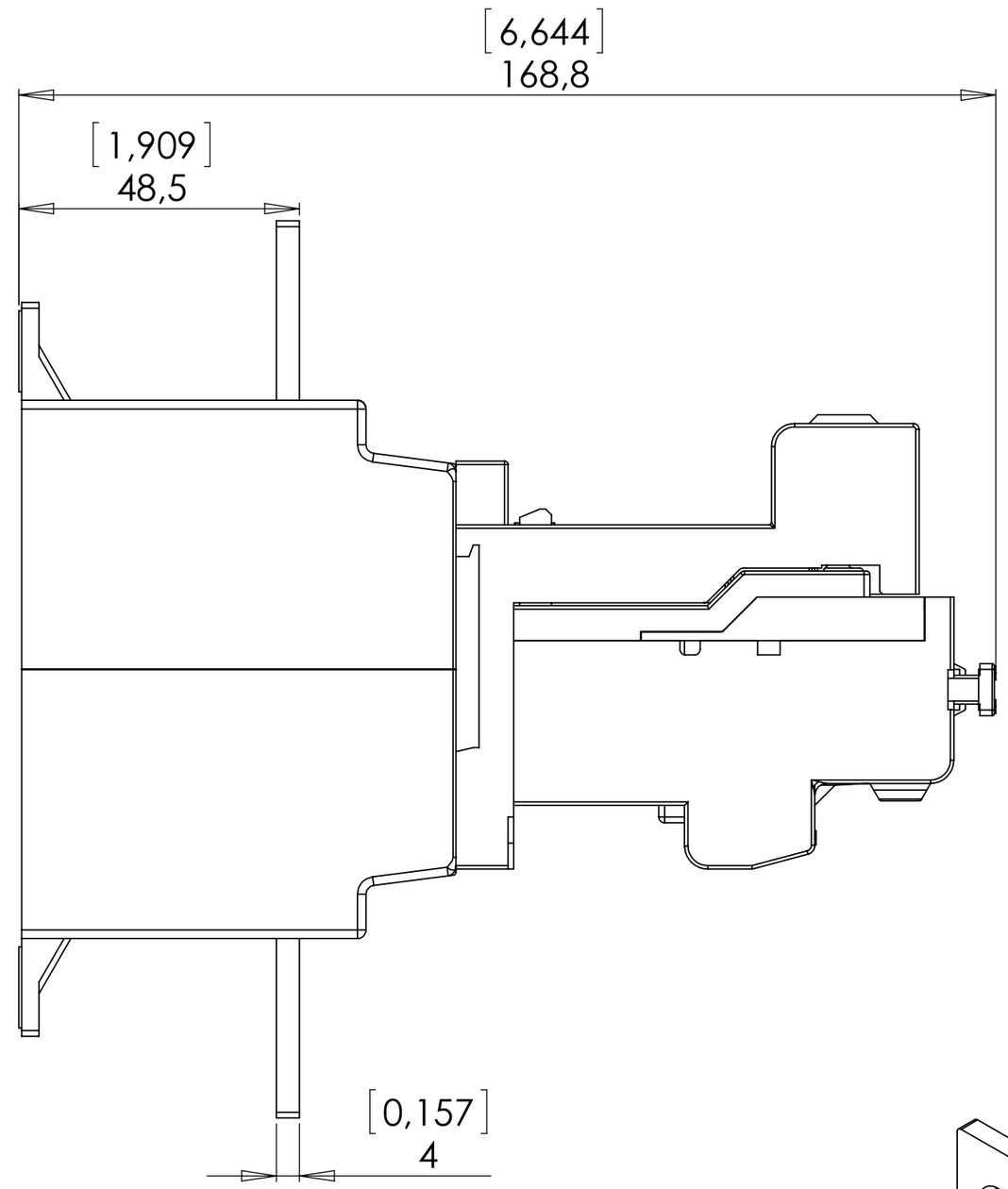
Certifications

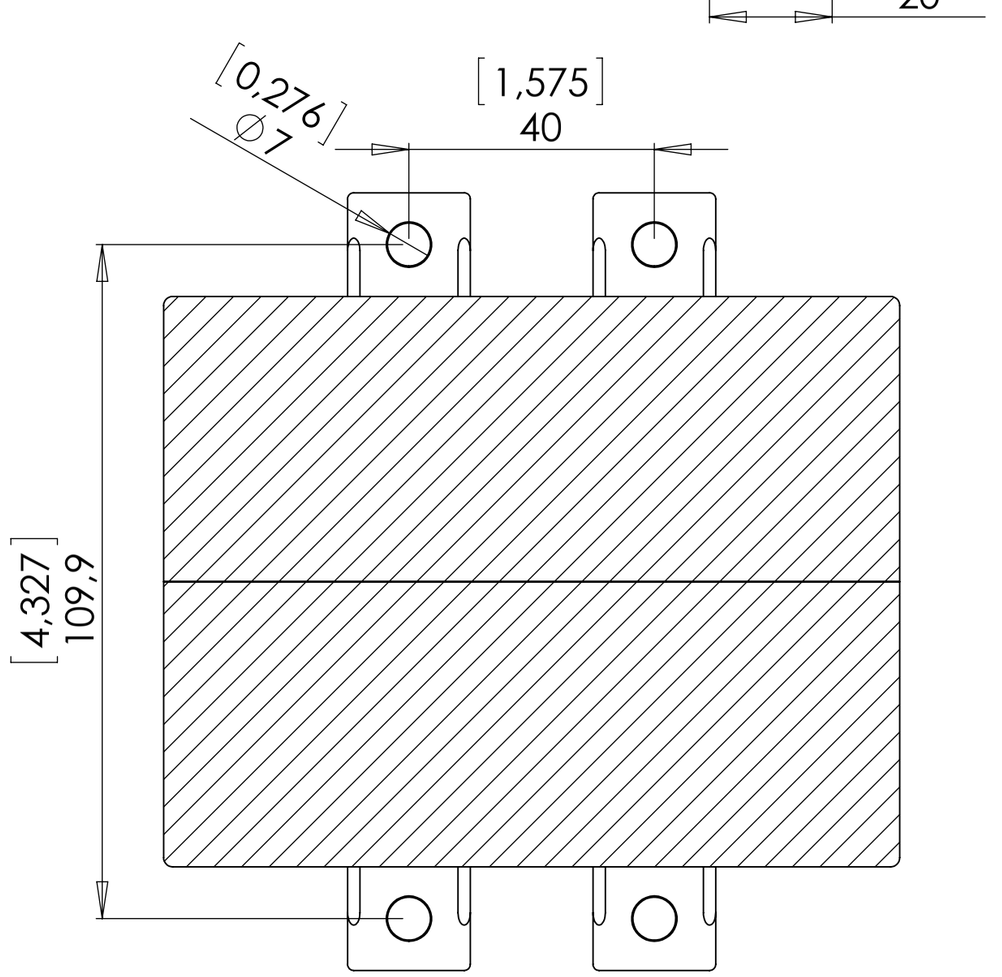
- Certification: BUREAU VERITAS
- Certification: CE
- Certification: IRAM
- Certification: UL

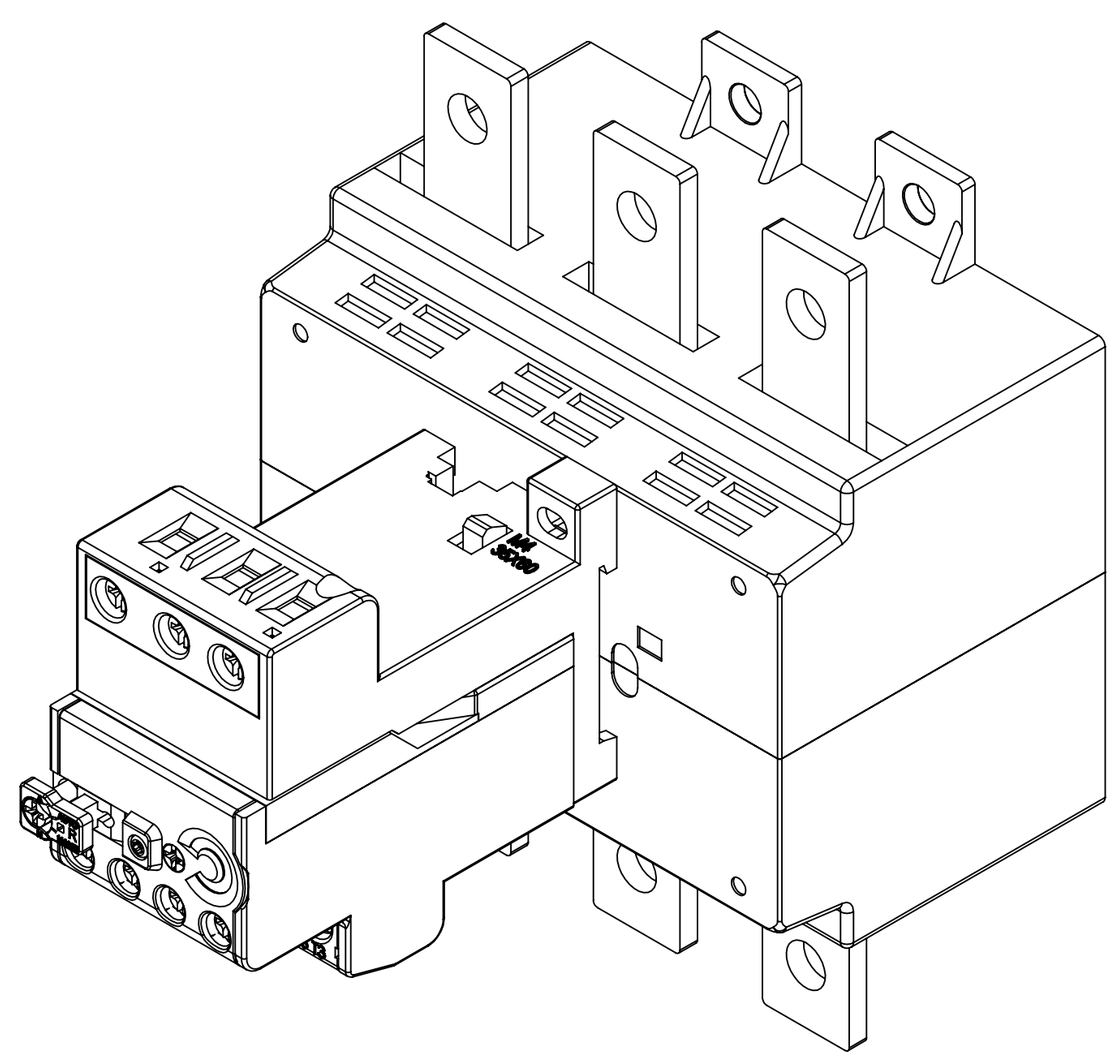
Notes

1) Mounting: Direct on the contactor using accessories or by screw.
2) Image merelly illustrative.









RW317-1D3 (100-215)

01/08/2013	Escala - 1:1	mm [inches]

A2

Sujeito a alterações 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 es de referencia solamente.