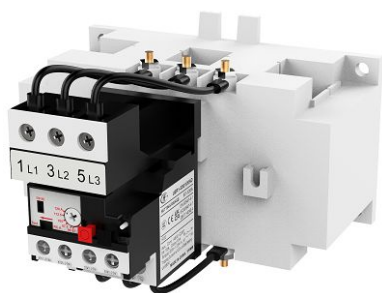


# Product datasheet



## Specifications



## Thermal Overload Relay, UER1-330, Class 10A

### Main

Product Series	UER1	
Product or Component Type	Thermal overload relay	
Device Short Name	UER1-330	
Relay Application	Motor protection	
Thermal Protection Adjustment Range	Code	Current setting range A
	120	87 ~ 120
	144	105 ~ 144
	200	145 ~ 200
	240	175 ~ 240
	280	203 ~ 280
	336	245 ~ 336

### Complementary

Control Type	Red push-button stop (make the NC contact move without affecting the NO contact)
	Blue push-button reset
Auxiliary Contact Composition	1NO+1NC
Permissible Current	6A 120V AC-15 signalling circuit
	3A 240V AC-15 signalling circuit
	1.9A 380V AC-15 signalling circuit
	1.5A 480V AC-15 signalling circuit
	1.4A 500V AC-15 signalling circuit

	1.2A 600V AC-15 signalling circuit
	0.55A 120V DC-13 signalling circuit
	0.27A 240V DC-13 signalling circuit
Trip Class	Class 10A IEC 60947-4-1
Tripping Threshold	1.16 ± 0.08 In IEC 60947-4-1
Phase Failure Sensitivity	Tripping current 130 % of Ir on two phase, the last one at 0 IEC 60947-4-1
[Uimp] Rated Impulse Withstand Voltage	6 kV
[Ith] Conventional Free Air Thermal Current	10 A signalling circuit
Mounting Support	Screw
Connections-Terminals	Control circuit: screw clamp terminals 1 1...2.5 mm <sup>2</sup> (AWG 18...14) - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 2 1...2.5 mm <sup>2</sup> (AWG 18...14) - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 1 1...2.5 mm <sup>2</sup> (AWG 18...14) - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 2 1...2.5 mm <sup>2</sup> (AWG 18...14) - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 1...2.5 mm <sup>2</sup> (AWG 18...14) - cable stiffness: solid without cable end Control circuit: screw clamp terminals 2 1...2.5 mm <sup>2</sup> (AWG 18...14) - cable stiffness: solid without cable end Power circuit: copper bar: 20 × 8 , fastener: M10
Tightening Torque	Control circuit: 7...11 lb.in (0.8...1.2 N·m) - on screw clamp terminals Power circuit: 11...16 lb.in (15...21 N·m) - on copper bar bolted
Height	98.8 mm
Width	150 mm
Depth	147.2 mm
Net Weight	1.39 kg

## Environment

Standards	GB/T 14048.4, GB/T 14048.5, IEC/EN 60947-4-1, IEC/EN 60947-5-1, BS EN 60947-4-1, BS EN 60947-5-1
Product Certifications	CCC, CE, UKCA

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IP Degree Of Protection	IP20 (suitable for front) (except for external terminals)
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Ambient Air Temperature For	-5...+60 °C
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Operation

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Ambient Air Temperature For	-40...+70 °C
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Storage

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Operating altitude	0... 2000 m without derating
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## Packing Units

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Unit Type Of Package 1	1 box
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Number Of Units In Package 1	1 pcs
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Package 1 Height	16.0 cm
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Package 1 Width	16.5 cm
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Package 1 Length	16.0 cm
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Package 1 Weight	1.44 kg
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Unit Type Of Package 2	1 carton
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Number Of Units In Package 2	8 pcs
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Package 2 Height	35.0 cm
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Package 2 Width	35.5 cm
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Package 2 Length	34.5 cm
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Package 2 Weight	13.0 kg
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## Offer Sustainability

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EU RoHS Directive	Conforming
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Mercury Free	Yes
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China RoHS Regulation	Conforming
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Products Outside China RoHS Control	Yes
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RoHS Exemption Information	Yes
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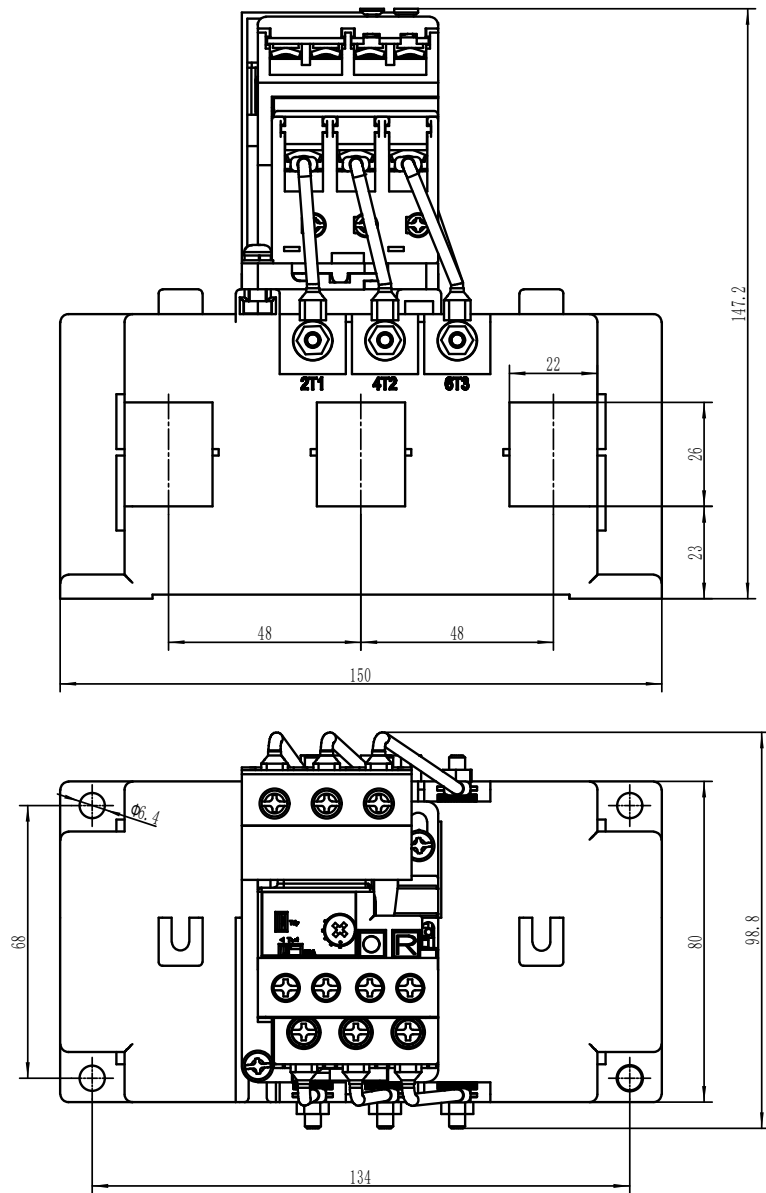
## Contractual warranty

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Warranty	18 months
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## Dimensions



### UER1-330/□□D independent mounting

Note: The unit is mm. The tolerance for mounting holes:  $\pm 0.5$ ; for other external dimensions:  $\pm 2$ , unless otherwise specified.

### Circuit Diagram

