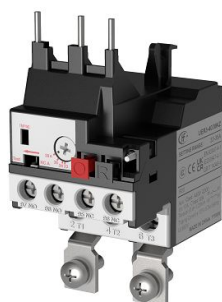


Specifications



Thermal Overload Relay, UER3-40, Class 10A

Main

Product Series	UER3					
Product or Component Type	Thermal overload relay					
Device Short Name	UER3-40					
Relay Application	Motor protection					
Product Compatibility	UEC3-06 ~ 38					
Thermal Protection Adjustment Range	Code	Current setting range A	Code	Current setting range A	Code	Current setting range A
	0.16	0.1 ~ 0.16	2.5	1.8 ~ 2.5	21.5	17.5 ~ 21.5
	0.25	0.16 ~ 0.25	3.2	2.3 ~ 3.2	25	21 ~ 25
	0.4	0.25 ~ 0.4	4.0	2.9 ~ 4.0	30	24.5 ~ 30
	0.5	0.35 ~ 0.5	4.8	3.5 ~ 4.8	36	29 ~ 36
	0.63	0.45 ~ 0.63	6.3	4.5 ~ 6.3	38	33 ~ 38
	0.8	0.55 ~ 0.8	7.5	5.5 ~ 7.5		
	1.0	0.75 ~ 1.0	10	7.2 ~ 10		
	1.3	0.9 ~ 1.3	12.5	9 ~ 12.5		
	1.6	1.1 ~ 1.6	16	11.3 ~ 16		
	2.0	1.4 ~ 2.0	20	15 ~ 20		

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 I _n IEC 60947-4-1
Phase Failure Sensitivity	Tripping current 130 % of I _r on two phase, the last one at 0 IEC 60947-4-1
[U _{imp}] Rated Impulse Withstand Voltage	6 kV
[I _{th}] Conventional Free Air	10 A signalling circuit
Thermal Current	
Mounting Support	Combined mounting : Plug connect with AC contactor
Connections-Terminals	Control circuit: screw clamp terminals 1 1...2.5 mm ² (AWG 18...14) - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 2 1...2.5 mm ² (AWG 18...14) - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 1 1...2.5 mm ² (AWG 18...14) - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 2 1...2.5 mm ² (AWG 18...14) - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 1...2.5 mm ² (AWG 18...14) - cable stiffness: solid without cable end Control circuit: screw clamp terminals 2 1...2.5 mm ² (AWG 18...14) - cable stiffness: solid without cable end Control circuit: screw M3.5, terminal width ≤ 8.1 mm

Code < 30:

Power circuit: screw clamp terminals 1 1...6 mm² (AWG 18...10) - cable stiffness: flexible without cable end

Power circuit: screw clamp terminals 2 1...6 mm² (AWG 18...10) - cable stiffness: flexible without cable end

Power circuit: screw clamp terminals 1 1...6 mm² (AWG 18...10) - cable stiffness: flexible with cable end

Power circuit: screw clamp terminals 2 1...6 mm² (AWG 18...10) - cable stiffness: flexible with cable end

Power circuit: screw clamp terminals 1 1...6 mm² (AWG 18...10) - cable stiffness: solid without cable end

Power circuit: screw clamp terminals 2 1...6 mm² (AWG 18...10) - cable stiffness: solid without cable end

Code ≥ 30:

Power circuit: screw clamp terminals 1 1...6 mm² (AWG 18...10) - cable stiffness: flexible with cable end

Power circuit: screw clamp terminals 2 1...6 mm² (AWG 18...10) - cable stiffness: flexible with cable end

Tightening Torque

Control circuit: 7...11 lb.in (0.8...1.2 N·m) - on screw clamp terminals

Power circuit:

Code < 30: 11...16 lb.in (1.2...1.8 N·m) - on screw clamp terminals

Code ≥ 30: 18...22 lb.in (2.0...2.5 N·m) - on screw clamp terminals

Height

73.8 mm (code < 30) ; 92.2 mm (code ≥ 30)

Width

45 mm

Depth

63.5 mm

Net Weight

0.114 kg (code < 30) ; 0.142 kg (code ≥ 30)

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

IP Degree Of Protection

IP20 (suitable for front) (except for external terminals)

Ambient Air Temperature For

-5...+60 °C

Operation

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

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	6.7 cm (code < 30) ; 7.6 cm (code ≥ 30)
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Package 1 Width	4.9 cm (code < 30) ; 5.3 cm (code ≥ 30)
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Package 1 Length	7.2 cm (code < 30) ; 9.8 cm (code ≥ 30)
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Package 1 Weight	0.22 kg (code < 30) ; 0.24 kg (code ≥ 30)
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Unit Type Of Package 2	1 carton
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Number Of Units In Package 2	80 pcs (code < 30) ; 48 pcs (code ≥ 30)
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Package 2 Height	31.0 cm (code < 30) ; 27.0 cm (code ≥ 30)
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Package 2 Width	28.5 cm (code < 30) ; 25.2 cm (code ≥ 30)
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Package 2 Length	32.8 cm (code < 30) ; 43.2 cm (code ≥ 30)
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Package 2 Weight	15.40 kg (code < 30) ; 11.10 kg (code ≥ 30)
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Offer Sustainability

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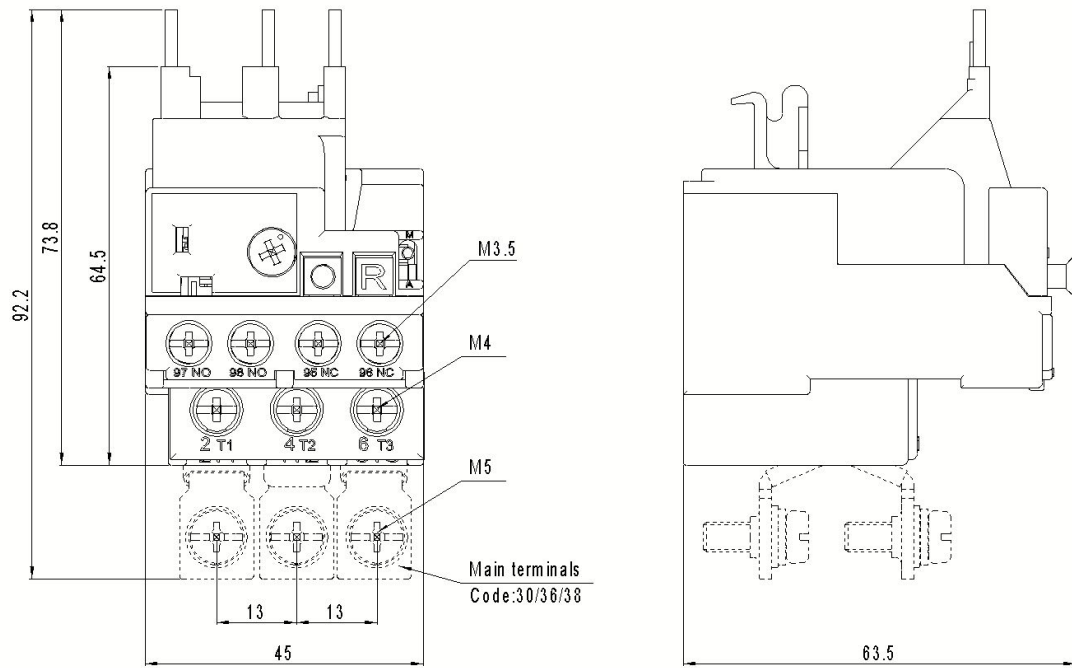
Products Outside China RoHS Control	Yes
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RoHS Exemption Information	Yes
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Contractual warranty

Warranty	18 months
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Dimensions



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

Circuit Diagram

