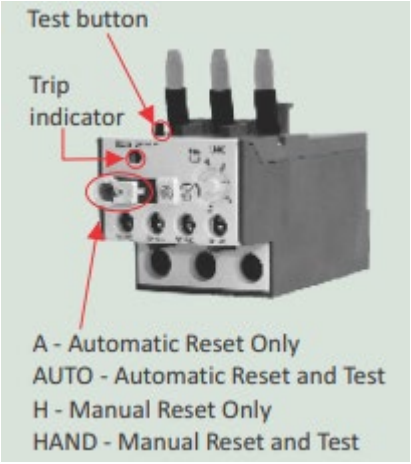
Overloads – Mini Size

Features

- Overload relays for use with Mini Contactors
- Integral connection to auxiliary and coil terminations for ease of wiring during installation
- Trip Class 10 for reliable and accurate protection against overload conditions
- Single phase sensitivity to protect motors against damaging phase loss conditions
- Combination head terminal screws allow for use of straight, Phillips or posidrive
- Stop button for convenient and economical control circuit wiring
- Trip indicator light
- Test button as standard
- 3 Pole
- IP20 guarded
- Temperature rating -40°C – 70°C
- ROHS Compliance

Unique Product Features

Our Mini Bimetallic Overloads feature a multi-function reset button enabling the user to select the reset mode - manual or automatic, and whether or not to enable the test function.



When the reset button is pressed, with the reset function enabled, the Normally Open (NO) contact closes and the Normally Closed (NC) contact opens to verify the control circuit functionality. In addition, the NC contact can be used in a 'Stop' circuit. With the test function disabled, the NO and NC contacts do not change state when the reset button is pressed – preventing unauthorised personnel from operating the control circuit.

Note: To prevent equipment burnout always leave a completed installation in manual mode.

Product Image

Product Details

Part No.	A
OLM016	0.10 – 0.16
OLM028	0.16 – 0.28
OLM040	0.28 – 0.40
OLM063	0.40 – 0.63
OLM080	0.56 – 0.80
OLM12	0.80 – 1.2
OLM18	1.2 – 1.8
OLM28	1.8 – 2.8
OLM40	2.8 – 4
OLM63	4 – 6.3
OLM80	5.6 – 8
OLM100	7 – 10
OLM125	8 – 12.5
OLM150	10 - 15
OLM170	11 – 17

Technical Specifications

Environmental		
Current setting range	A	**0.10 - 17**
Operating Frequency	Hz	0 ~ 400
Power Dissipation per pole	W	0.9 ~ 1.4
EC Ratings		
Main Circuits		
Rated Insulation Voltage, Ui	V	690
Rated Impulse Voltage withstand, Uimp	KV	6
Rated Operating Voltage, Ue	VAC	690
Maximum Rated Operating Current, Ie	A	17
Short Circuit Current, Ie	A	
Maximum fuse size in type "1" gL/gG	A	60
Maximum fuse size in type "2" gL/gG	A	35
Control Circuts		
Rated Insulation Voltage, UI	V	
Rated Operating Current, Ie		
AC-15		
24V	A	4
48V	A	3.5
60V	A	3.5
110 ~ 120V	A	3.00
220 ~ 240V	A	2.00
400 ~ 415V	A	1.50
500V	A	0.5
660 ~ 690V	A	0.30
DC-13		
24V	A	1.00
48V	A	0.50
60V	A	0.50
110V	A	0.25
220V	A	0.10
250V	A	0.10
Short Circuit Coordination		
gL/gG	A	6
UL Ratings		
Main Circuits	VAC	600
Rated Operating Voltage, Ue	KA	
Short Circuit Coordination		
Standard Fault Current	KA	
Maximum Fuse Size *		
Control Circuits		
Pilot Outing Rating	AC	
	DC	

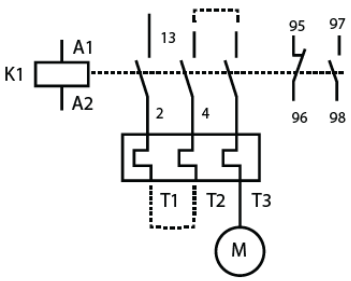
Technical Specifications cont...

Environmental		
Ambient Storage Temperature		-25 to +60 C
Impedence per pole		-40 to +70 C
Construction		
Number of Poles		3
Trip Class		10
Pollution Degree		3
Ingress Protection		
Main Circuit Terminals	IP20	
Control Circuit Terminals	IP20	
Weight		
	Kg.	0.15
	lbs.	0.33
Conductor Size		
Main Circut Terminals	AWG	14 ~ 6
UL/CSA	mm2	2.5 ~ 16
Solid	mm2	2.5 ~ 16
Stranded	mm2	2.5 ~ 16
Fine Stranded	mm2	1.4 ~ 2.3
Terminal Torque	Nm	12.4 ~20.4
Control Circuits		
UL/CSA	AWG	2 X 18 ~ 12
Solid	mm2	2 X 1 ~ 40
Stranded	mm2	2 X 1 ~ 40
Fine Stranded	mm2	2 X 1 ~ 40
Terminal Torque	Nm	1.12
	lb.in.	10
ROHS Compliance		Yes

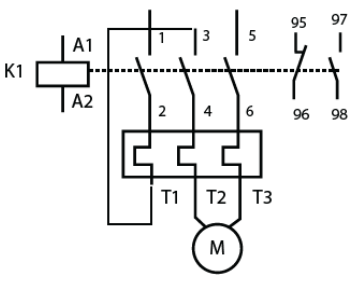
* Varies by current settings range of overload relay

Circuit Diagram

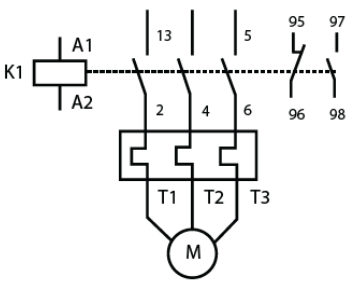
1-P



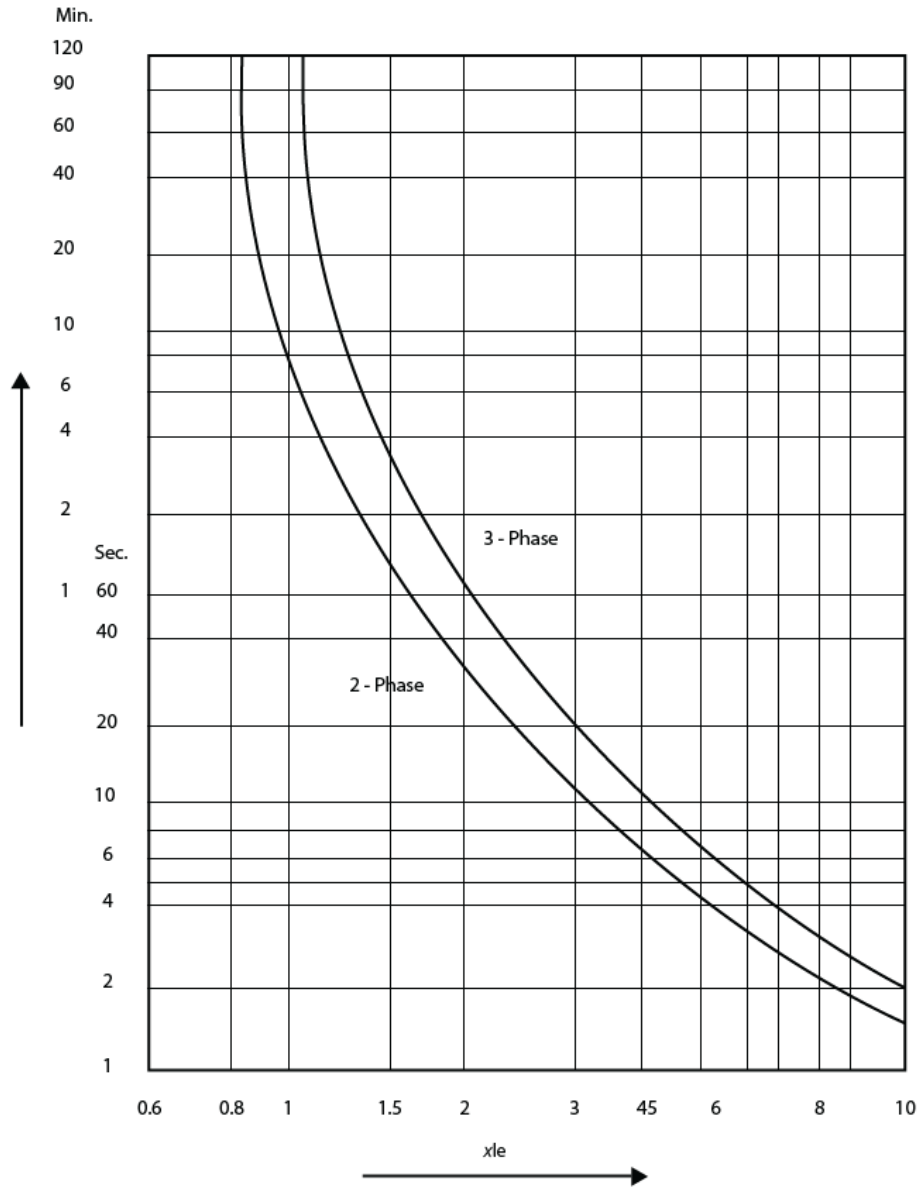
2-P



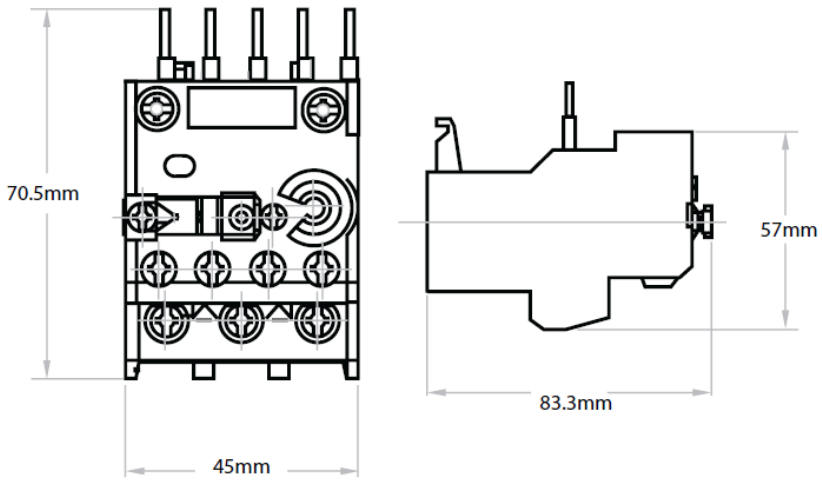
3-P



Trip Characteristics



Dimensions



Subject to change without notice