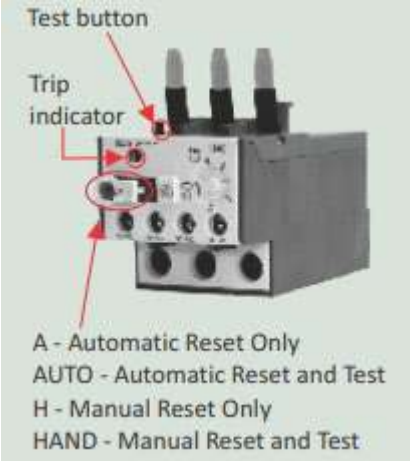
Overloads – Standard Size

Features

- Overload Relays for use with Standard Contactors
- Trip indicator light
- Test button as standard
- 3 Pole
- IP20 guarded
- Temperature rating -40°C – 70°C
- ROHS Compliance

Unique Product Features

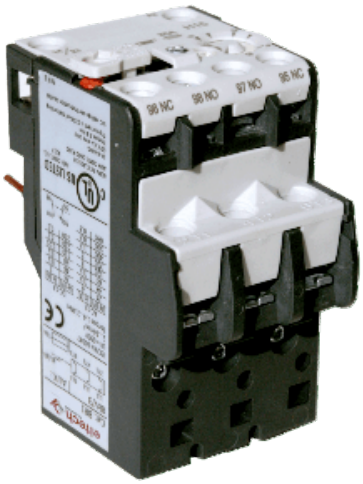
Our Standard Bimetallic Overloads feature a multi-function reset button enabling the user to select the reset mode - manual or automatic, and whether or not to enable the test function.



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 Images



Product Details

Part No.	A
OLS040	0.28 – 0.40
OLS063	0.40 – 0.63
OLS080	0.56 – 0.80
OLSM012	0.80 – 1.2
OLSM018	1.2 – 1.8
OLSM028	1.8 – 2.8
OLSM040	2.8 – 4
OLSM063	4 – 6.3
OLSM080	5.6 – 8
OLSH010	7 – 10
OLSH012	8 – 12.5
OLSH017	11 – 17
OLSH023	15 – 23
OLSH032	22 – 32
OLSH040	25 – 40
OLSH050	32 – 50
OLSH063	50 – 63
OLSH080	63 – 80
OLSH097	75 - 97

Technical Specifications

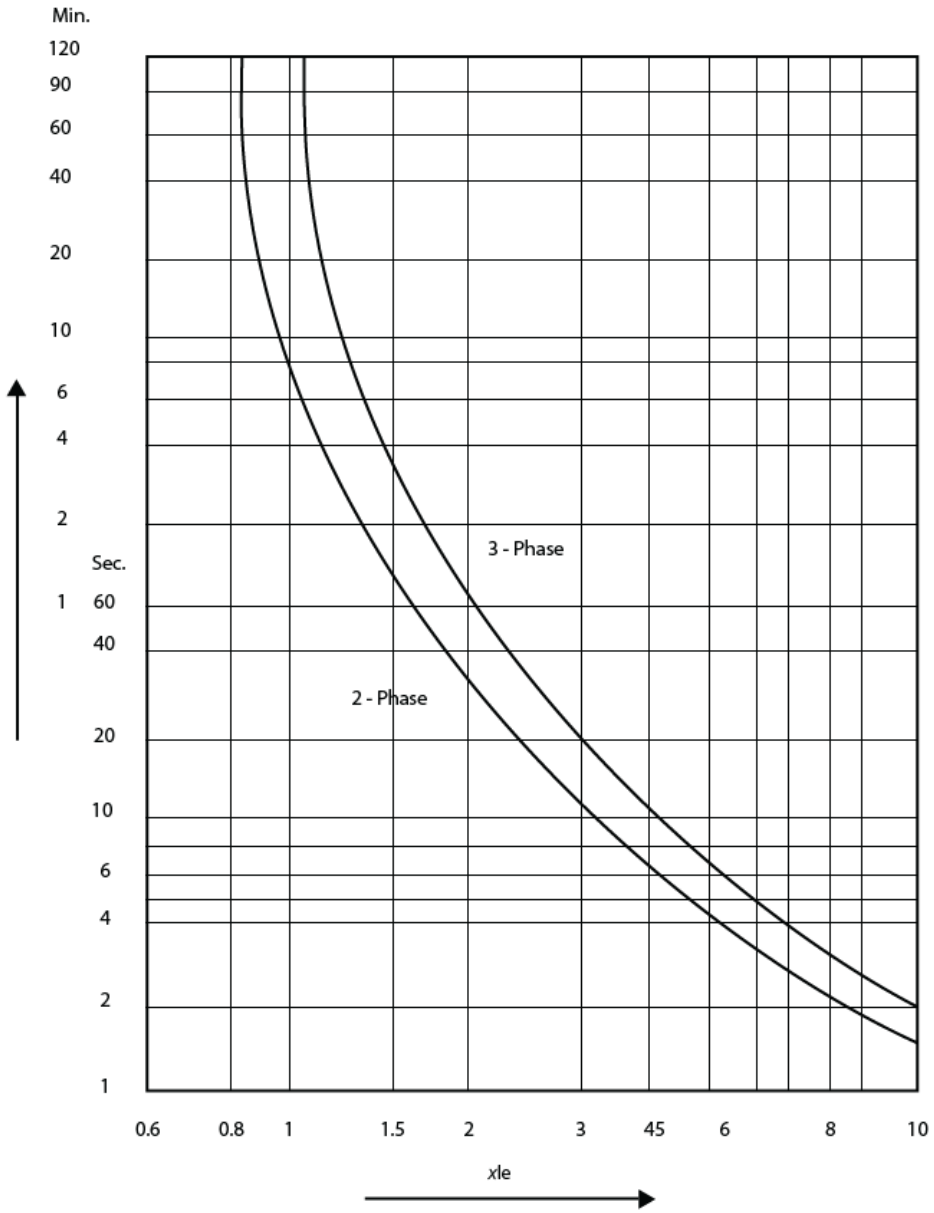
Environmental					
Current setting range	A	0.28 ~ 32	25 ~ 40	32 ~ 70	63 ~ 112
Operating Frequency	Hz		0 ~ 400		
Power Dissipation per pole	W	1.3 ~ 2.0	1.3 ~ 2.0	1.9 ~ 4.8	3 ~ 4.8
EC Ratings					
Main Circuits					
Rated Insulation Voltage, Ui	V		690		
Rated Impulse Voltage withstand, Uimp	KV		6		
Rated Operating Voltage, Ue	VAC		690		
Maximum Rated Operating Current, Ie	A	32	40	70	112
Short Circuit Current, Ie	A		5Ka		
Maximum fuse size in type "1" gL/gG	A	90	125	200	275
Maximum fuse size in type "2" gL/gG	A	63	90	175	250
Control Circuts					
Rated Insulation Voltage, UI	V		500		
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		5		10
Maximum Fuse Size *					
Control Circuits					
Pilot Outing Rating	AC			C600	
	DC			R300	

Technical Specifications cont...

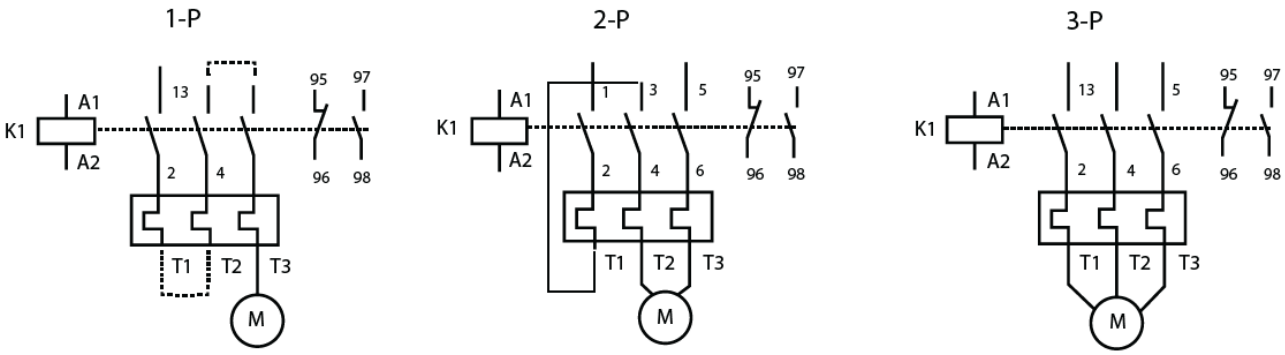
Environmental					
Ambient Storage Temperature		-25 to +60 C (-13 to 140F)			
Impedence per pole		-40 to +70 C (-40 to 158 F)			
Construction					
Number of Poles		3			
Trip Class		10			
Pollution Degree		3			
Ingress Protection					
Main Circuit Terminals	IP20				
Control Circuit Terminals	IP20				
Weight					
	Kg.	0.15	0.31	0.31	0.37
	lbs.	0.330	0.68	0.68	0.82
Conductor Size					
Main Circut Terminals	AWG	14 ~ 6	18 ~ 2	18 ~ 2	8 ~1/0
UL/CSA	mm2	2.5 ~ 16	1 ~ 35	1 ~ 35	10 ~ 15
Solid	mm2	2.5 ~ 16	1 ~ 35	1 ~ 35	10 ~15
Stranded	mm2	2.5 ~ 16	1 ~ 35	1 ~ 35	10 ~ 15
Fine Stranded	mm2	1.4 ~ 2.3	4 ~ 6	4 ~ 6	14 ~ 26
Terminal Torque	Nm	12.4 ~ 20.4	35 ~ 53	35 ~ 53	44.3 ~ 57.5
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

Trip Characteristics

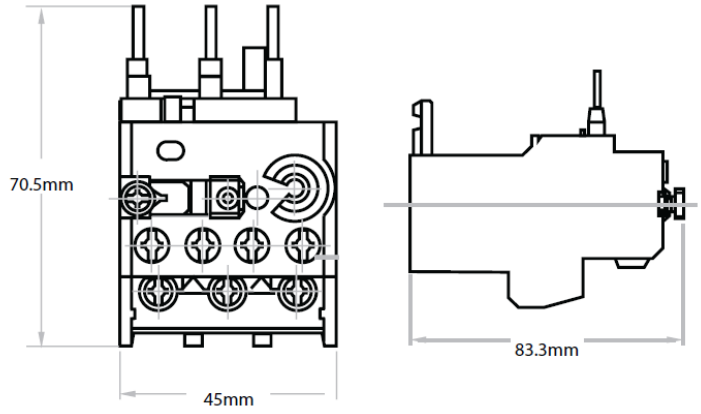


Circuit Diagram

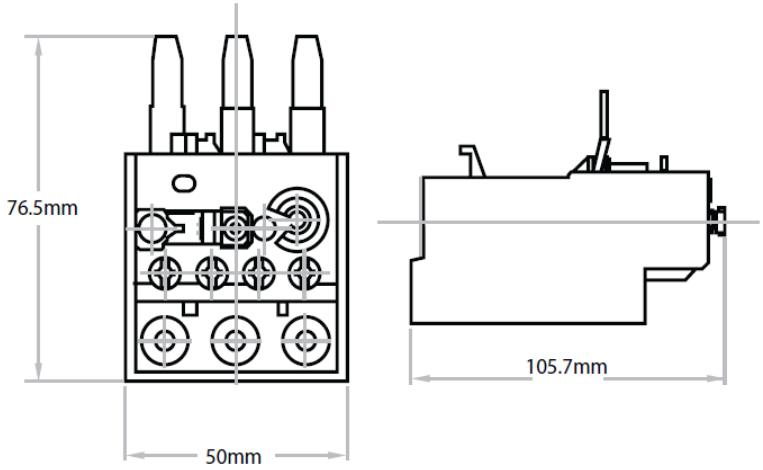


Dimensions

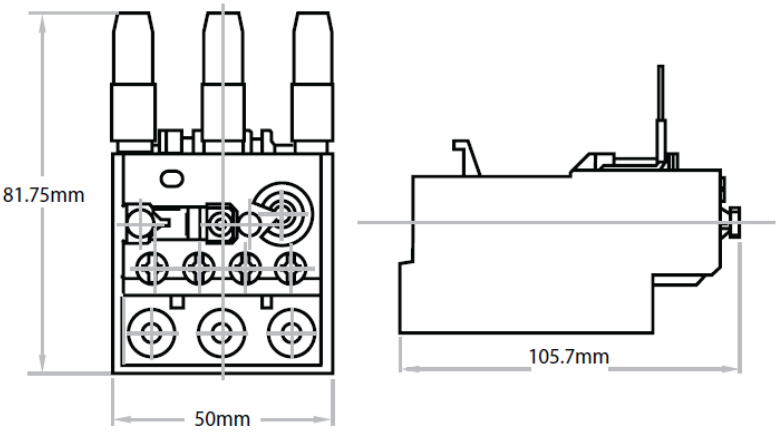
OLS040 - OLSH032



OLSH040- OLSH050



OLSH063 - OLSH097



Subject to change without notice