

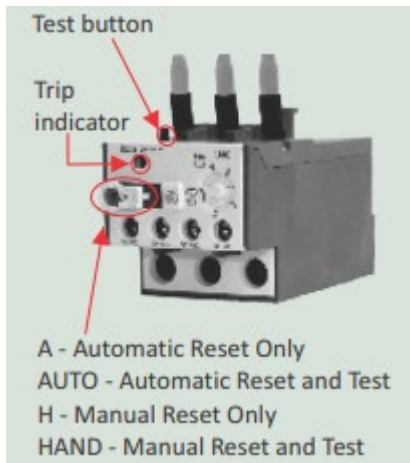
## Overloads - Standard Size

### 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**

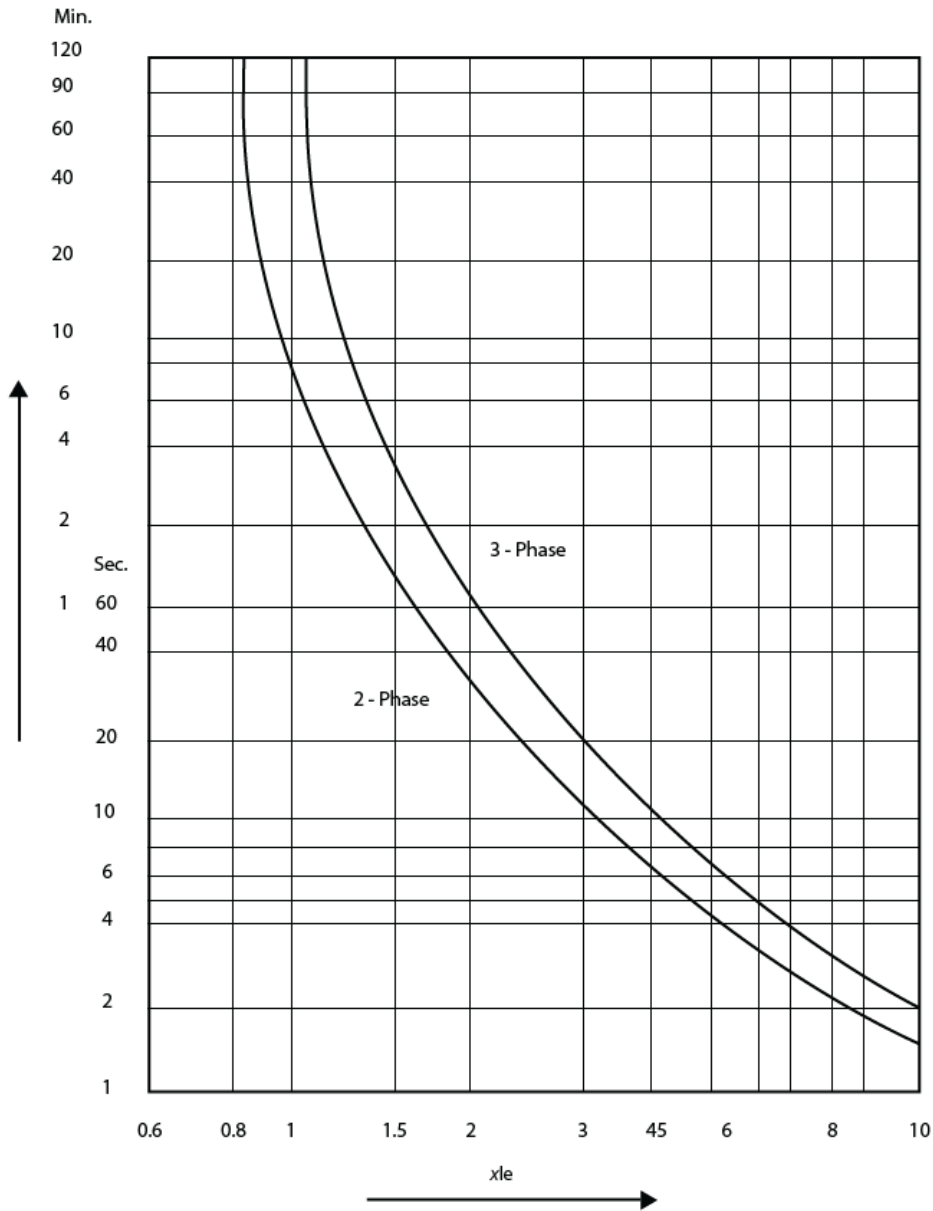
<b>Environmental</b>					
<b>Current setting range</b>	A	0.28 ~ 32	25 ~ 40	32 ~ 70	63 ~ 112
<b>Operating Frequency</b>	Hz	0 ~ 400			
<b>Power Dissipation per pole</b>	W	1.3 ~ 2.0	1.3 ~ 2.0	1.9 ~ 4.8	3 ~ 4.8
<b>EC Ratings</b>					
<b>Main Circuits</b>					
<b>Rated Insulation Voltage, Ui</b>	V	690			
<b>Rated Impulse Voltage withstand, Uimp</b>	KV	6			
<b>Rated Operating Voltage, Ue</b>	VAC	690			
<b>Maximum Rated Operating Current, Ie</b>	A	32	40	70	112
<b>Short Circuit Current, Ie</b>	A		5Ka		
<b>Maximum fuse size In type "1" gL/gG</b>	A	90	125	200	275
<b>Maximum fuse size In type "2" gL/gG</b>	A	63	90	175	250
<b>Control Circuits</b>					
<b>Rated Insulation Voltage, Ui</b>	V		500		
<b>Rated Operating Current, Ie</b>					
<b>AC-15</b>					
<b>24V</b>	A	4			
<b>48V</b>	A	3.5			
<b>60V</b>	A	3.5			
<b>110 ~ 120V</b>	A	3.00			
<b>220 ~ 240V</b>	A	2.00			
<b>400 ~ 415V</b>	A	1.50			
<b>500V</b>	A	0.5			
<b>660 ~ 690V</b>	A	0.30			
<b>DC-13</b>					
<b>24V</b>	A	1.00			
<b>48V</b>	A	0.50			
<b>60V</b>	A	0.50			
<b>110V</b>	A	0.25			
<b>220V</b>	A	0.10			
<b>250V</b>	A	0.10			
<b>Short Circuit Coordination</b>					
<b>gL/gG</b>	A	6			
<b>UL Ratings</b>					
<b>Main Circuits</b>					
<b>Rated Operating Voltage, Ue</b>	VAC	600			
<b>Short Circuit Coordination</b>					
<b>Standard Fault Current</b>	KA		5		10
<b>Maximum Fuse Size *</b>					
<b>Control Circuits</b>					
<b>Pilot Outing Rating</b>	AC			C600	
	DC			R300	

Technical Specifications cont...

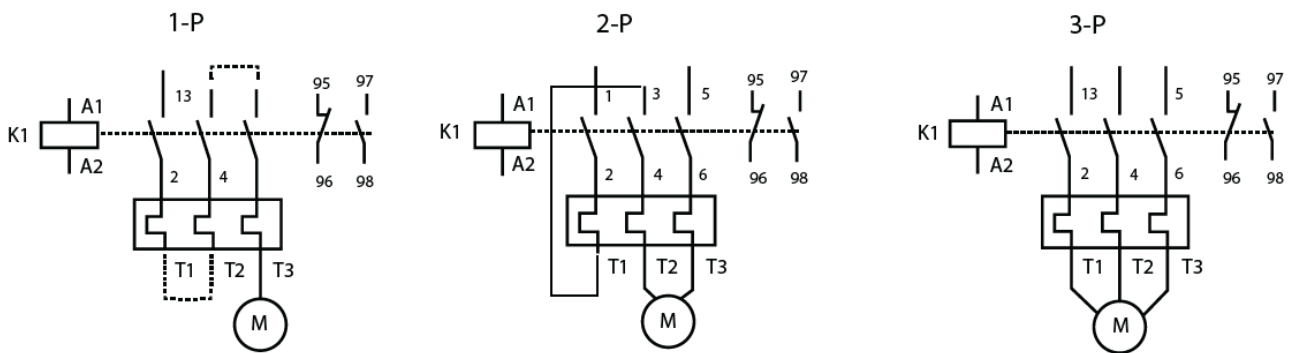
<b>Environmental</b>					
Ambient Storage Temperature		-25 to +60 C (-13 to 140F)			
Impedence per pole		-40 to +70 C (-40 to 158 F)			
<b>Construction</b>					
Number of Poles		3			
Trip Class		10			
Pollution Degree		3			
Ingress Protection					
Main Circuit Terminals	IP20				
Control Circuit Terminals	IP20				
<b>Weight</b>					
	Kg.	0.15	0.31	0.31	0.37
	lbs.	0.330	0.68	0.68	0.82
<b>Conductor Size</b>					
Main Circuit 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
<b>Control Circuits</b>					
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**

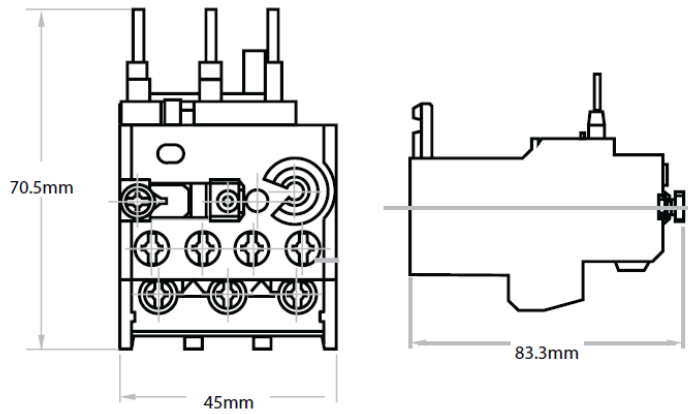


**Circuit Diagram**

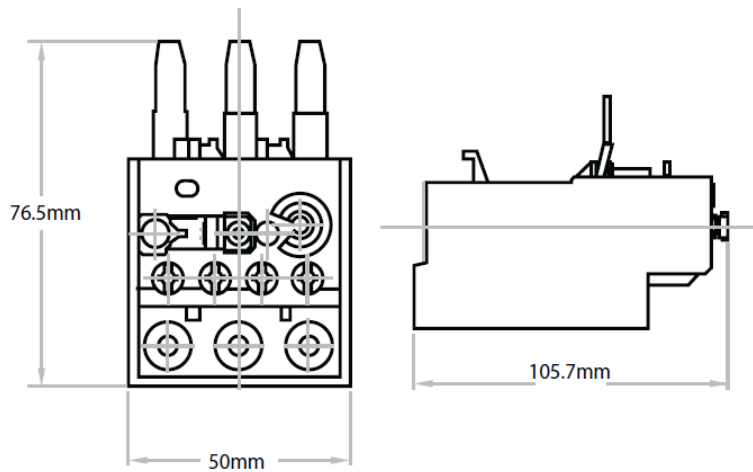


**Dimensions**

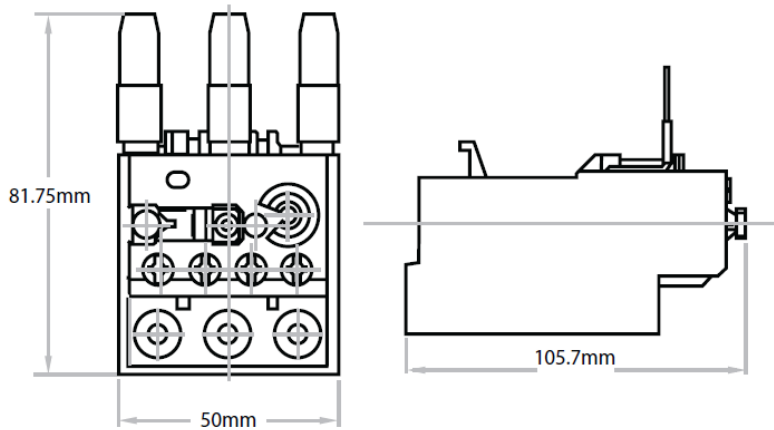
**OLS040 - OLSH032**



**OLSH040- OLSH050**



**OLSH063 - OLSH097**



Subject to change without notice