

TeSys™ D-Line Contactors and Starters

Selection of 3-pole Class 20 Bimetallic and Class 10 Solid-state Overload Relays

Differential (Single Phase Sensitive) Thermal Overload Relays

Compensated relays with manual or automatic reset, with relay trip indicator, for ac or dc LR2-D1508 to 2553; independent mounting either by ordering a terminal block LA7D1064 or LA7D2064, or by ordering the relay pre-assembled; in this case, add the suffix LA7 to the reference.
Example: LR2D1508 becomes LR2D1508LA7.

Short-circuit Protection for North American Applications				By Circuit Breaker		Select in Accordance with NEC and Local Codes	
				By Fuses		Maximum 400% of Motor FLA	
Relay Setting Range	Fuses to be used with the Selected Relay			For use with Contactor		Catalog Number	Weight lb. (kg)
	aM	gG	BS88	LC1			
A	A	A	A				

Class 20 for Connection by Screw Clamp Terminals

2.5 to 4	6	10	16	D09 to D38 (2)	LRD1508 (3)	0.42 (0.190)
4 to 6	8	16	16	D09 to D38 (2)	LRD1510 (3)	0.42 (0.190)
5.5 to 8	12	20	20	D09 to D38 (2)	LRD1512 (3)	0.42 (0.190)
7 to 10	16	20	25	D09 to D38 (2)	LRD1514 (3)	0.42 (0.190)
9 to 13	16	25	25	D12 to D38 (2)	LRD1516 (3)	0.42 (0.190)
12 to 18	25	35	40	D18 to D38 (2)	LRD1521 (3)	0.42 (0.190)
17 to 25	32	50	50	D25 and D38 (2)	LRD1522 (3)	0.42 (0.190)
23 to 28	40	63	63	D25 and D38 (2)	LRD1530 (3)	0.76 (0.345)
25 to 32	40	63	63	D25 and D38 (2)	LRD1532 (3)	0.76 (0.345)
17 to 25	32	50	50	D40 to D95	LRD3522	1.18 (0.535)
23 to 32	40	63	63	D40 to D95	LR2D3553	1.18 (0.535)
30 to 40	50	100	80	D40 to D95	LR2D3555	1.18 (0.535)
37 to 50	63	100	100	D50 to D95	LR2D3557	1.18 (0.535)
48 to 65	80	125	100	D50 to D95	LR2D3559	1.18 (0.535)
55 to 70	100	125	125	D65 to D95	LR2D3561	1.18 (0.535)
63 to 80	100	160	125	D80 and D95	LR2D3563	1.18 (0.535)



LRD15

Solid-state Differential Thermal Overload Relays

Compensated relays, with relay trip indicator, for ac or dc, for direct mounting on contactor or independent mounting (1).

Relay Setting Range	Fuses to be used with Selected Relay (4)		For Direct Mounting Beneath Contactor LC1	Catalog Number	Weight lb. (kg)
	aM	gG			
A	A	A			

Class 10 for Connection using Bars or Connectors

60 to 100	100	160	D115 and D150	LR9D5367	1.95 (0.885)
90 to 150	160	250	D115 and D150	LR9D5369	1.95 (0.885)

Class 20 for Connection using Bars or Connectors

60 to 100	125	160	D115 and D150	LR9D5567	1.95 (0.885)
90 to 150	200	250	D115 and D150	LR9D5569	1.95 (0.885)

Solid-state Thermal Overload Relays for use with Balanced/Unbalanced Loads (Single Phase)

Compensated relays, with separate outputs for alarm and tripping.

Relay Setting Range	Fuses to be used with Selected Relay (4)		For Direct Mounting Beneath Contactor LC1	Catalog Number	Weight lb. (kg)
	aM	gG			
A	A	A			

Class 10 or 20 Selectable with Connection using Bars or Connectors

60 to 100	100	160	D115 and D150	LR9D67	1.98 (0.900)
90 to 150	160	250	D115 and D150	LR9D69	1.98 (0.900)

- (1) Power terminals can be protected against direct finger contact by the addition of shrouds and/or insulated terminal blocks, to be ordered separately (see page 113).
- (2) For use with D25-D38 contactors, order spacer clip (part number W816366180111). See page 137.
- (3) These overloads are available without single phase sensitivity. To order, change the LRD prefix to LR3D and add A1 to the end of the number.
Example: LRD1508 becomes LR3D1508A1
- (4) Select short circuit protection to meet the National Electrical Code or other local codes and standards.

Other Versions

Thermal overload relays for resistive circuits in category AC-1. Please consult your Regional Sales Office.