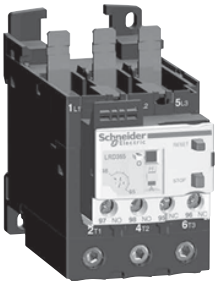
References

Overload relays

PB113030_S_30.eps

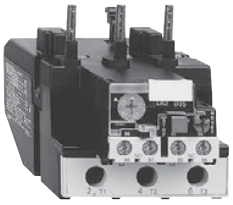
LRD 04L...LRD 32L

PF526201.eps



LRD 3●●L

PF526206.eps



LR2 D35●●

Differential thermal overload relays for screw clamp connectors and lugs
for use with fuses or magnetic circuit breakers GV2 L and GV3 L

- Compensated relays with manual or automatic reset
- with relay trip indicator
- for a.c. or d.c.

Relay setting range (A)	Fuses to be used with selected relay aM (A)	gG (A)	BS88 (A)	For use with contactor LC1	Reference
Classes 20 (1) for connection by screw clamp terminals					
0.4...0.63	1	2	-	D09…D38	**LRD04L**
0.63...1	2	4	-	D09…D38	**LRD05L**
1...1.6	2	4	6	D09…D38	**LRD06L**
1.6...2.5	4	6	10	D09…D38	**LRD07L**
2.5...4	6	10	16	D09…D38	**LRD08L**
4...6	8	16	16	D09…D38	**LRD10L**
5.5...8	12	20	20	D09…D38	**LRD12L**
7...10	12	20	20	D09…D38	**LRD14L**
9...13	16	25	25	D12…D38	**LRD16L**
12...18	20	35	32	D18…D38	**LRD21L**
17...24	25	50	50	D25…D38	**LRD22L**
23...32	40	63	63	D25…D38	**LRD32L**
Class 20 (1) for connection by EverLink® BTR screw connectors (2)					
9…13	20	32	35	D40A…D65A	**LRD313L**
12…18	25	40	40	D40A…D65A	**LRD318L**
17…25	32	50	50	D40A…D65A	**LRD325L**
23…32	40	63	63	D40A…D65A	**LRD332L**
30…40	**50**	**80**	**80**	**D40A…D65A**	**LRD340L**
37…50	63	100	100	D40A…D65A	**LRD350L**
48…65	80	125	125	D50A and D65A	**LRD365L**
Classes 20 (1) for connection by screw clamp terminals					
17…25	32	50	50	D80 and D95	**LR2D3522**
23…32	40	63	63	D80 and D95	**LR2D3553**
30…40	40	100	**80**	**D80 and D95**	**LR2D3555**
37…50	63	100	100	D80 and D95	**LR2D3557**
48…65	80	125	100	D80 and D95	**LR2D3559**
55…70	100	125	125	D80 and D95	**LR2D3561**
63…80	100	160	125	D80 and D95	**LR2D3563**

Class 20 (1) for connection by lugs

For relays LRD 04L to LRD 32L and relays LRD 313L to LRD 365L, select the appropriate overload relay with screw clamp terminals or connectors from the table above and add the suffixe **6**.
Example: **LRD 04L** becomes **LRD 04L6**.

Thermal overload relays for use with unbalanced loads

Class 20 (1) for connection by screw clamp terminals or lugs

For relays LRD 04L to LRD 32L and relays LR2 D3522 to LR2 D3563, select the appropriate overload relay with screw clamp terminals or connectors from the table above and change the prefix LRD or LR2 D to **LR3 D**.
Example: **LRD 04L** becomes **LR3D 04L**.

(1) Standard IEC 60947-4-1 specifies a tripping time for 7.2 times the setting current I_R: class 20: between 6 and 20 seconds
*(2) BTR screws: hexagon socket head. In accordance with local electrical wiring regulations, a size 4 insulated Allen key must be used (reference **LAD ALLEN4**, see page B8/21).*

TeSys protection components
TeSys LRD, thermal overload relays

Overload relays

Differential thermal overload relays for screw clamp connectors and springs
for use with fuses or magnetic circuit breakers GV2 L and GV3 L

- Compensated relays with manual or automatic reset
- with relay trip indicator
- for a.c. or d.c.

Relay setting range (A)	Fuses to be used with selected relay aM (A)	gG (A)	BS88 (A)	For mounting beneath contactor LC1	Reference
Class 20 (1) with connection by EverLink® BTR screw connectors (2) and control by spring terminals					
9…13	20	32	35	D40A…D65A	**LRD313L3**
12…18	25	40	40	D40A…D65A	**LRD318L3**
17…25	32	50	50	D40A…D65A	**LRD325L3**
23…32	40	63	63	D40A…D65A	**LRD332L3**
30…40	50	80	80	D40A…D65A	**LRD340L3**
37…50	63	100	100	D40A…D65A	**LRD350L3**
48…65	80	125	125	D50A and D65A	**LRD365L3**

Differential thermal overload relays for bars and connectors
for use with fuses or magnetic circuit breakers NSX

- Compensated relays, with relay trip indicator
- for a.c.
- for direct mounting on contactor or independent mounting (3).

Relay setting range (A)	Fuses to be used with selected relay aM (A)	gG (A)	For mounting beneath contactor LC1	Reference
Classes 10 or 10A (1) for connection using bars or connectors				
60…100	100	160	D115 and D150	**LR9D5367**
90…150	160	250	D115 and D150	**LR9D5369**
Classes 20 (1) for connection using bars or connectors				
60…100	125	160	D115 and D150	**LR9D5567**
90…150	200	250	D115 and D150	**LR9D5569**

Electronic thermal overload relays for use with balanced or unbalanced loads

- Compensated relays
- with separate outputs for alarm and tripping.

Relay setting range (A)	Fuses to be used with selected relay aM (A)	gG (A)	For mounting beneath contactor LC1	Reference
Classes 10 or 20 (1) selectable, for connection using bars or connectors				
60…100	100	160	D115 and D150	**LR9D67**
90…150	160	250	D115 and D150	**LR9D69**

(1) Standard IEC 60947-4-1 specifies a tripping time for 7.2 times the setting current I_R:
class 10: between 4 and 10 seconds,
class 10 A: between 2 and 10 seconds,
class 20: between 6 and 20 seconds

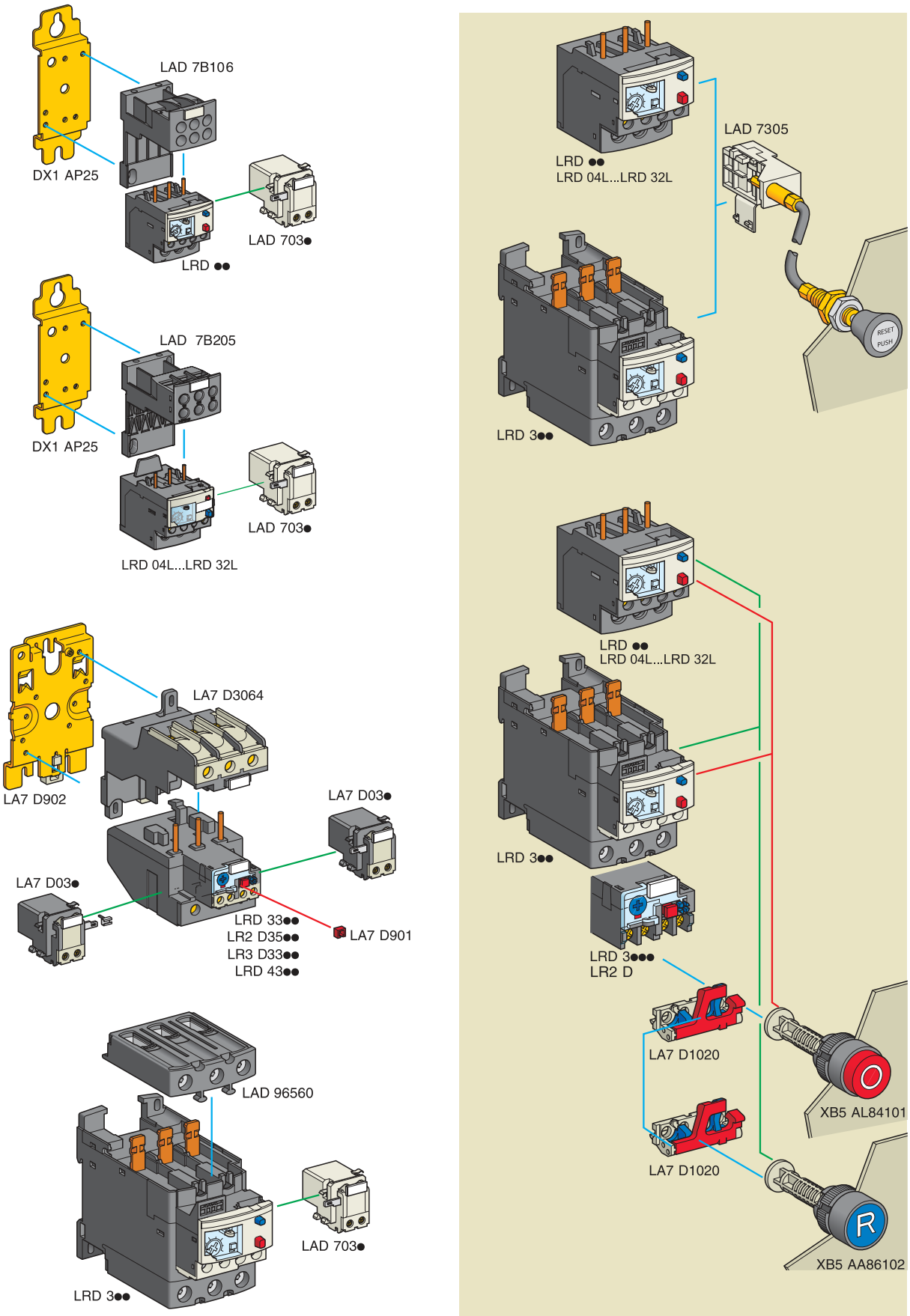
*(2) BTR screws: hexagon socket head. In accordance with local electrical wiring regulations, a size 4 insulated Allen key must be used (reference **LAD ALLEN4**, see page B8/21).*

(3) 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 B8/20).

Other versions

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

DB415911.eps



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