

# TeSys protection components

TeSys K thermal overload relays,  
adjustable from 0.11 to 16 A

## 3-pole relays with screw clamp terminals

These overload relays are designed for the protection of motors. They are compensated and phase failure sensitive. Resetting can either be manual or automatic.

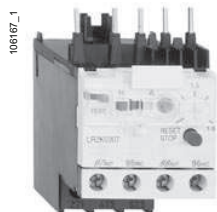
Direct mounting: under the contactor for versions with screw clamp terminals only; pre-wired terminals, see pages 6/10 and 6/13.

Separate mounting: using terminal block LA7 K0064 (see below).

On the front face of the overload relay:

- selection of reset mode: Manual (marked H) or Automatic (marked A),
- red pushbutton: Trip Test function,
- blue pushbutton: Stop and manual Reset,
- yellow trip flag indicator: overload relay tripped.

Protection by magnetic circuit-breaker GV2 LE, see pages 1/18 and 1/28.



LR2 K0307

### Class 10 A (the standard specifies a tripping time of between 2 and 10 seconds at 7.2 In)

Relay setting range	Fuses to be used with selected relay Maximum rating Type			Reference	Weight kg
	aM	gG	BS88		
0.11...0.16	0.25	0.5	–	LR2 K0301	0.145
0.16...0.23	0.25	0.5	–	LR2 K0302	0.145
0.23...0.36	0.5	1	–	LR2 K0303	0.145
0.36...0.54	1	1.6	–	LR2 K0304	0.145
0.54...0.8	1	2	–	LR2 K0305	0.145
0.8...1.2	2	4	6	LR2 K0306	0.145
1.2...1.8	2	6	6	LR2 K0307	0.145
1.8...2.6	4	8	10	LR2 K0308	0.145
2.6...3.7	4	10	16	LR2 K0310	0.145
3.7...5.5	6	16	16	LR2 K0312	0.145
5.5...8	8	20	20	LR2 K0314	0.145
8...11.5	10	25	20	LR2 K0316	0.145
10...14	16	32	25	LR2 K0321	0.145
12...16	20	40	32	LR2 K0322	0.145

## Overload relays for unbalanced loads

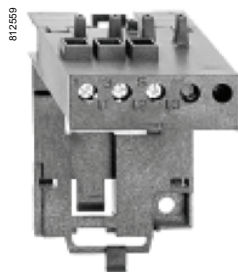
**Class 10 A:** To order, replace the prefix LR2 by LR7 in the references selected from above (only applicable to overload relays LR2 K0305 to LR2 K0322).

Example: LR7 K0308.

## Accessory

Description	Type of connection	Reference	Weight kg
Terminal block for separate clip-on mounting of the overload relay on 35 mm rail	Screw clamp	LA7 K0064	0.100

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LA7 K0064