LR9 F53●●

LR9 F73●●

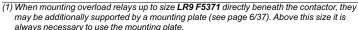
TeSys protection components 3-pole electronic thermal overload relays, TeSys LR9 F for motor protection

Compensated and differential overload relays

Thermal overload relays:

- compensated and differential,
- with relay trip indicator,

| Relay setting range | Fuses to be used with selected relay | | For direct mounting beneath contactor LC1 | | Weight |
|---------------------|--------------------------------------|---------|---|-----------|--------|
| A | A | gG A | | | kg |
| Class 10 (2) | ^ | ^ | | | Ng |
| 3050 | 50 | 80 | F115F185 | LR9 F5357 | 0.885 |
| 3050 | 50 | 00 | F115F105 | LK9 F3331 | 0.000 |
| 4880 | 80 | 125 | F115F185 | LR9 F5363 | 0.900 |
| 60100 | 100 | 200 | F115F185 | LR9 F5367 | 0.900 |
| 90150 | 160 | 250 | F115F185 | LR9 F5369 | 0.885 |
| 132220 | 250 | 315 | F185F400 | LR9 F5371 | 0.950 |
| 200330 | 400 | 500 | F225F500 | LR9 F7375 | 2.320 |
| 300500 | 500 | 800 | F225F500 | LR9 F7379 | 2.320 |
| 380630 | 630 | 800 | F400F630 and F800 | LR9 F7381 | 4.160 |
| Class 20 (2) | | | | | |
| 3050 | 50 | 80 | F115F185 | LR9 F5557 | 0.885 |
| 4880 | 80 | 125 | F115F185 | LR9 F5563 | 0.900 |
| 60100 | 100 | 200 | F115F185 | LR9 F5567 | 0.900 |
| 90150 | 160 | 250 | F115F185 | LR9 F5569 | 0.885 |
| 132220 | 250 | 315 | F185F400 | LR9 F5571 | 0.950 |
| 200330 | 400 | 500 | F225F500 | LR9 F7575 | 2.320 |
| 300500 | 500 | 800 | F225F500 | LR9 F7579 | 2.320 |
| 380630 | 630 | 800 | F400F630 and | LR9 F7581 | 4.160 |



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 6/37).

(2) Standard IEC 60947-4 specifies a tripping time for 7.2 times the setting current In:

- class 10: between 4 and 10 seconds,
 - class 20: between 6 and 20 seconds



■ for direct mounting on contactor or independent mounting (1).

| Relay setting range | Fuses to be used with selected relay | | For direct mounting Reference beneath contactor | | Weight | |
|---------------------|---|-----|---|-----------|--------|--|
| | аМ | gG | LC1 | | | |
| A Class 10 (2) | Α | Α | | | kg | |
| 3050 | 50 | 80 | F115F185 | LR9 F5357 | 0.885 | |
| 4880 | 80 | 125 | F115F185 | LR9 F5363 | 0.900 | |
| 60100 | 100 | 200 | F115F185 | LR9 F5367 | 0.900 | |
| 90150 | 160 | 250 | F115F185 | LR9 F5369 | 0.885 | |
| 132220 | 250 | 315 | F185F400 | LR9 F5371 | 0.950 | |
| 200330 | 400 | 500 | F225F500 | LR9 F7375 | 2.320 | |
| 300500 | 500 | 800 | F225F500 | LR9 F7379 | 2.320 | |
| 380630 | 630 | 800 | F400F630 and F800 | LR9 F7381 | 4.160 | |
| Class 20 (2) | | | | | | |
| 3050 | 50 | 80 | F115F185 | LR9 F5557 | 0.885 | |
| 4880 | 80 | 125 | F115F185 | LR9 F5563 | 0.900 | |
| 60100 | 100 | 200 | F115F185 | LR9 F5567 | 0.900 | |
| 90150 | 160 | 250 | F115F185 | LR9 F5569 | 0.885 | |
| 132220 | 250 | 315 | F185F400 | LR9 F5571 | 0.950 | |
| 200330 | 400 | 500 | F225F500 | LR9 F7575 | 2.320 | |
| 300500 | 500 | 800 | F225F500 | LR9 F7579 | 2.320 | |
| 380630 | 630 | 800 | F400F630 and F800 | LR9 F7581 | 4.160 | |

always necessary to use the mounting plate.

