

# TeSys Control

## LR2K, Deca thermal overload relays

### Product references



LR2K●●

#### Thermal overload relays - selection table

LR2K thermal overload relays can be mounted on all 3P LC1K contactors with screw clamp connectors.

**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 |
|---------------------|----------------------------------------------------------|-----|------|-----------|
|                     | aM                                                       | gG  | BS88 |           |
| A                   | A                                                        | A   | A    |           |
| 0.11...0.16         | 0.25                                                     | 0.5 | –    | LR2K0301  |
| 0.16...0.23         | 0.25                                                     | 0.5 | –    | LR2K0302  |
| 0.23...0.36         | 0.5                                                      | 1   | –    | LR2K0303  |
| 0.36...0.54         | 1                                                        | 1.6 | –    | LR2K0304  |
| 0.54...0.8          | 1                                                        | 2   | –    | LR2K0305  |
| 0.8...1.2           | 2                                                        | 4   | 6    | LR2K0306  |
| 1.2...1.8           | 2                                                        | 6   | 6    | LR2K0307  |
| 1.8...2.6           | 4                                                        | 8   | 10   | LR2K0308  |
| 2.6...3.7           | 4                                                        | 10  | 16   | LR2K0310  |
| 3.7...5.5           | 6                                                        | 16  | 16   | LR2K0312  |
| 5.5...8             | 8                                                        | 20  | 20   | LR2K0314  |
| 8...11.5            | 10                                                       | 25  | 20   | LR2K0316  |
| 10...14             | 16                                                       | 32  | 25   | LR2K0321  |
| 12...16             | 20                                                       | 40  | 32   | LR2K0322  |

LRD thermal overload relays can only be mounted on LC1D contactors of same size ratio and with screw clamp connectors.

| Relay setting range (A)                                                         | Fuses to be used with selected relay |        |          | For use with contactor LC1 | Reference |
|---------------------------------------------------------------------------------|--------------------------------------|--------|----------|----------------------------|-----------|
|                                                                                 | aM (A)                               | gG (A) | BS88 (A) |                            |           |
| Class 10 A <sup>(1)</sup> for connection by screw clamp terminals or connectors |                                      |        |          |                            |           |
| 0.10...0.16                                                                     | 0.25                                 | 2      | –        | D09...D38                  | LRD01     |
| 0.16...0.25                                                                     | 0.5                                  | 2      | –        | D09...D38                  | LRD02     |
| 0.25...0.40                                                                     | 1                                    | 2      | –        | D09...D38                  | LRD03     |
| 0.40...0.63                                                                     | 1                                    | 2      | –        | D09...D38                  | LRD04     |
| 0.63...1                                                                        | 2                                    | 4      | –        | D09...D38                  | LRD05     |
| 1...1.6                                                                         | 2                                    | 4      | 6        | D09...D38                  | LRD06     |
| 1.6...2.5                                                                       | 4                                    | 6      | 10       | D09...D38                  | LRD07     |
| 2.5...4                                                                         | 6                                    | 10     | 16       | D09...D38                  | LRD08     |
| 4...6                                                                           | 8                                    | 16     | 16       | D09...D38                  | LRD10     |
| 5.5...8                                                                         | 12                                   | 20     | 20       | D09...D38                  | LRD12     |
| 7...10                                                                          | 12                                   | 20     | 20       | D09...D38                  | LRD14     |
| 9...13                                                                          | 16                                   | 25     | 25       | D12...D38                  | LRD16     |
| 12...18                                                                         | 20                                   | 35     | 32       | D18...D38                  | LRD21     |
| 16...24                                                                         | 25                                   | 50     | 50       | D25...D38                  | LRD22     |
| 23...32                                                                         | 40                                   | 63     | 63       | D25...D38                  | LRD32     |
| 30...38                                                                         | 40                                   | 80     | 80       | D32 and D38                | LRD35     |



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Enclosed starters