

■ Datasheet: Thermal Overload Relay CUBICO Classic



■ SCHRACK-INFO

- Matching on contactor series CUBICO Classic
- Plug-in type
- Included auxiliary contacts

■ Features

- Phase failure protection
- Manual and automatic reset
- Temperature compensation
- Included auxiliary contacts
- Tripping indicator
- Test—and Stop-button

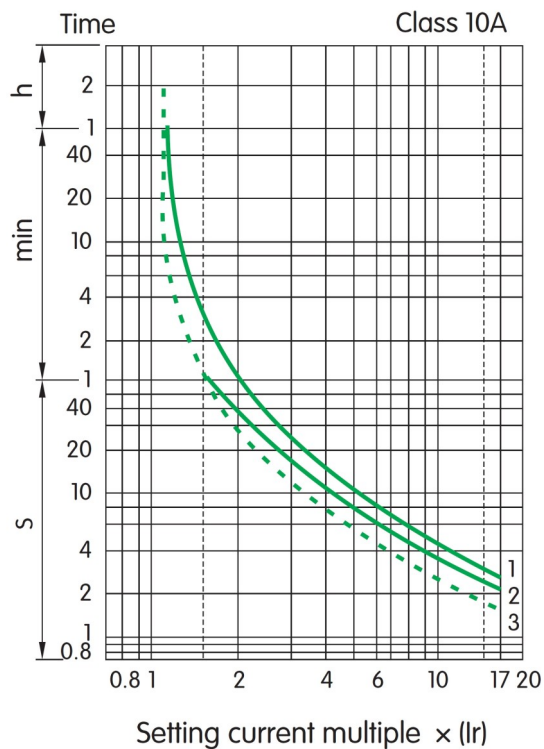
■ Technical datas

|                                 |                  |
|---------------------------------|------------------|
| Standard                        | IEC/EN 60947-4-1 |
| Rated insulation voltage        | 690V AC          |
| Rated frequency                 | 50/60Hz          |
| Rated impulse withstand voltage | 6 kV             |
| Overvoltage category            | III              |
| Rated current                   | 0,16A - 38A      |
| Tripping class                  | Class 10A        |

|                             |                                |   |
|-----------------------------|--------------------------------|---|
| Rated Current $I_N$         |                                | 0,16A-0,25A                                   |
|                             |                                | 0,25-0,4A                                     |
|                             |                                | 0,4-0,63A                                     |
|                             |                                | 0,63-1A                                       |
|                             |                                | 1-1,6A  |
|                             |                                | 1,6-2,5A                                      |
|                             |                                | 2,5-4A  |
|                             |                                | 4-6A  |
|                             |                                | 5,5-8A  |
|                             |                                | 7-10A   |
|                             |                                | 9-13A   |
|                             |                                | 12-18A  |
|                             |                                | 16-24A  |
|                             |                                | 23-32A  |
|                             | 30-38A                         |   |
| Model of matching contactor | LZDC09..                       | Contactor 3-pole, CUBICO Classic, 4kW, 9A     |
|                             | LZDC12..                       | Contactor 3-pole, CUBICO Classic, 5,5kW, 12A  |
|                             | LZDC18..                       | Contactor 3-pole, CUBICO Classic, 7,5kW, 18A  |
|                             | LZDC25..                       | Contactor 3-pole, CUBICO Classic, 11kW, 25A   |
|                             | LZDC32..                       | Contactor 3-pole, CUBICO Classic, 15kW, 32A   |
|                             | LZDC38..                       | Contactor 3-pole, CUBICO Classic, 18,5kW, 38A |
|                             | Specification of matching fuse | 0,16A-0,25A                                   |
| 0,25-0,4A                   |                                | 2A gG/gL                                      |
| 0,4-0,63A                   |                                | 2A gG/gL                                      |
| 0,63-1A                     |                                | 4A gG/gL                                      |
| 1-1,6A                      |                                | 4A gG/gL                                      |
| 1,6-2,5A                    |                                | 6A gG/gL                                      |
| 2,5-4A                      |                                | 10A gG/gL                                     |
| 4-6A                        |                                | 16A gG/gL                                     |
| 5,5-8A                      |                                | 20A gG/gL                                     |
| 7-10A                       |                                | 20A gG/gL                                     |
| 9-13A                       |                                | 25A gG/gL                                     |
| 12-18A                      |                                | 35A gG/gL                                     |
| 16-24A                      |                                | 50A gG/gL                                     |
| 23-32A                      |                                | 63A gG/gL                                     |
| 30-38A                      | 80A gG/gL                      |   |

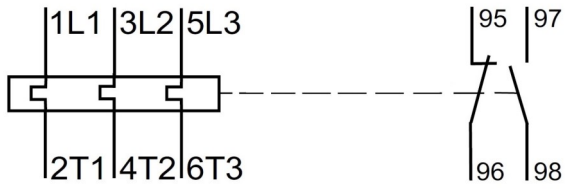
|  |  |                       |                                 |
|--|--|-----------------------|---------------------------------|
| Overload protection                      |  | $1,05 \times I_N$     | No operation within 2h          |
|  |  | $1,2 \times I_N$      | Operation within 2h             |
|  |  | $1,5 \times I_N$      | Operation within 2min           |
|  |  | $7,2 \times I_N$      | $2s < \text{Tripping} \leq 10s$ |
| Mounting type                            |  | Plug-in type          |                                 |
| Auxiliary contact                        |  | 1NO + 1NC             |                                 |
| Rated current of auxiliary contact       |  | AC-15 230 V           | 2,61 A                          |
|  |  | AC-15 400 V           | 1,5 A                           |
|  |  | DC-13 220 V           | 0,2 A                           |
| Terminal cross section Main circuit      |  | Single-core conductor | 1 - 10 mm <sup>2</sup>          |
|  |  | Stranded conductor    | 1 - 10 mm <sup>2</sup>          |
|  |  | Terminal screw        | M4                              |
| Terminal cross section Auxiliary circuit |  | Single-core conductor | 0,5 - 2,5 mm <sup>2</sup>       |
|  |  | Stranded conductor    | 0,5 - 2,5 mm <sup>2</sup>       |
|  |  | Terminal screw        | M3,5                            |

**Tripping characteristics**

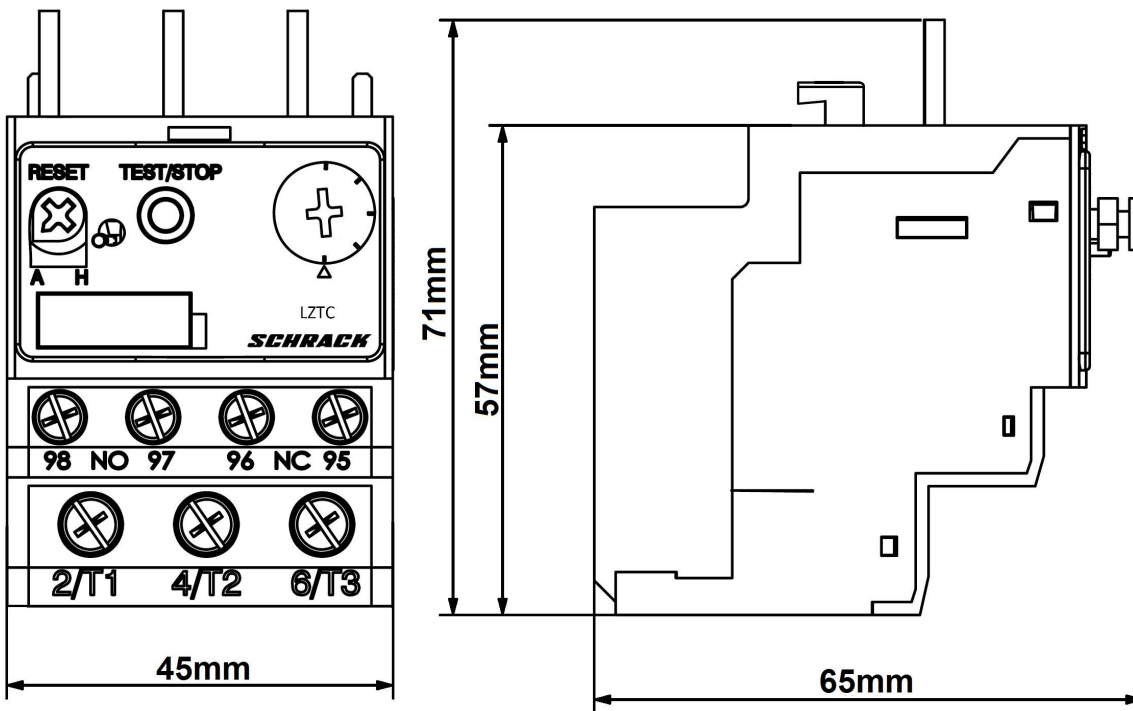


1-phase operation, cold state start  
 2-phase operation, cold state start  
 3-phase operation, cold state start

■ Wiring diagram



■ Dimensions



Articles

Thermal Overload Relay CUBICO Classic

| Description                                       | order no.  |
|---|------------|
| Thermal Overload Relay CUBICO Clasic, 0,16A-0,25A | LZTC0025-- |
| Thermal Overload Relay CUBICO Clasic, 0,25-0,4A   | LZTC0040-- |
| Thermal Overload Relay CUBICO Clasic, 0,4-0,63A   | LZTC0063-- |
| Thermal Overload Relay CUBICO Clasic, 0,63-1A     | LZTC0100-- |
| Thermal Overload Relay CUBICO Clasic, 1-1,6A      | LZTC0160-- |
| Thermal Overload Relay CUBICO Clasic, 1,6-2,5A    | LZTC0250-- |
| Thermal Overload Relay CUBICO Clasic, 2,5-4A      | LZTC0400-- |
| Thermal Overload Relay CUBICO Clasic, 4-6A        | LZTC0600-- |
| Thermal Overload Relay CUBICO Clasic, 5,5-8A      | LZTC0800-- |
| Thermal Overload Relay CUBICO Clasic, 7-10A       | LZTC1000-- |
| Thermal Overload Relay CUBICO Clasic, 9-13A       | LZTC1300-- |
| Thermal Overload Relay CUBICO Clasic, 12-18A      | LZTC1800-- |
| Thermal Overload Relay CUBICO Clasic, 16-24A      | LZTC2400-- |
| Thermal Overload Relay CUBICO Clasic, 23-32A      | LZTC3200-- |
| Thermal Overload Relay CUBICO Clasic, 30-38A      | LZTC3800-- |