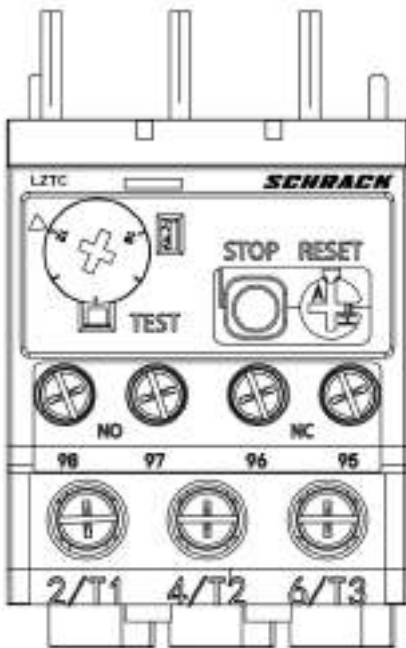


■ Datasheet: Thermal Overload Relay CUBICO Classic



■ 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

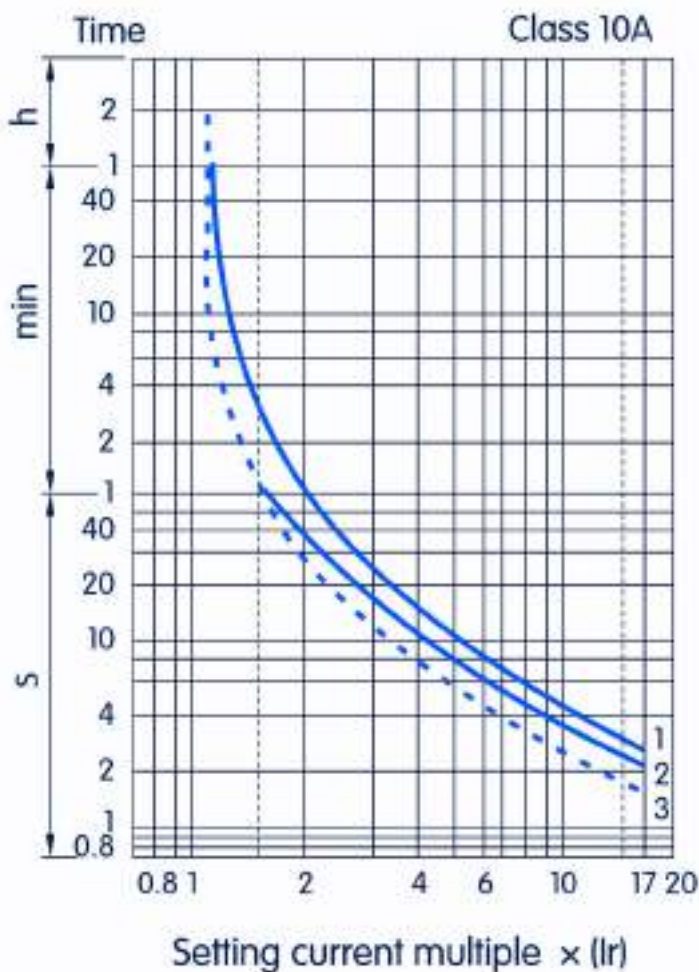
Standard	IEC/EN 60947-4-1
Rated insulation voltage	690V AC
Rated frequency	50/60Hz
Rated impulse withstand voltage	6 kV
Overvoltage category	III
Rated current	0.1A - 38A
Tripping class	Class 10A
Auxiliary contacts	1NO and 1NC

Rated current $I_N$	0.10 - 0.14A	
	0.14 - 0.2A	
	0.18 - 0.25A	
	0.22 - 0.32A	
	0.28 - 0.4A	
	0.35 - 0.5A	
	0.45 - 0.63A	
	0.55 - 0.8A	
	0.7 - 1A	
	0.9 - 1.25A	
	1.1 - 1.6A	
	1.4 - 2A	
	1.8 - 2.5A	
	2.2 - 3.2A	
	2.8 - 4A	
	3.5 - 5A	
	4.5 - 6.3A	
	5.5 - 8A	
	7.5 - 10A	
	9 - 13A	
	12 - 16A	
14 - 20A		
18 - 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	
0,10 - 0,14A	2A gG/gL
0,14 - 0,2A	2A gG/gL
0,18 - 0,25A	2A gG/gL
0,22 - 0,32A	2A gG/gL
0,28 - 0,4A	2A gG/gL
0,35 - 0,5A	2A gG/gL
0,45 - 0,63A	2A gG/gL
0,55 - 0,8A	4A gG/gL
0,7 - 1A	4A gG/gL
0,9 - 1,25A	4A gG/gL
1,1 - 1,6A	4A gG/gL
1,4 - 2A	6A gG/gL
1,8 - 2,5A	6A gG/gL
2,2 - 3,2A	10A gG/gL
2,8 - 4A	10A gG/gL
3,5 - 5A	16A gG/gL
4,5 - 6,3A	16A gG/gL
5,5 - 8A	20A gG/gL
7,5 - 10A	20A gG/gL
9 - 13A	25A gG/gL
12 - 16A	35A gG/gL
14 - 20A	50A gG/gL
18 - 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
$7.2 \times I_N$	$2s < \text{Tripping} \leq 10s$
Phase failure protection	
No operation within 2h, cold state start	
$1.0 \times I_N$	Any two phases
$0.9 \times I_N$	The other phase
Operation within 2h, hot state start	
$1.15 \times I_N$	Any two phases

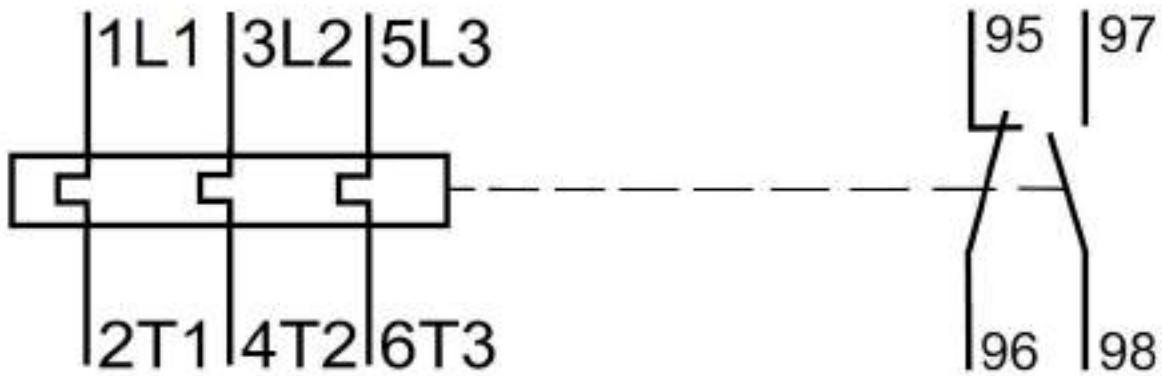
Mounting type	Plug-in type
Auxiliary contact	1NO + 1NC
Rated current of auxiliary contact	
AC-15 230 V	2.61A
AC-15 400 V	1.5A
DC-13 220 V	0.2A
Terminal cross section Main circuit	
Single-core conductor	1 - 10mm <sup>2</sup>
Stranded conductor	1 - 10mm <sup>2</sup>
Terminal screw	M4
Terminal cross section Auxiliary circuit	
Single-core conductor	0.5 - 2.5mm <sup>2</sup>
Stranded conductor	0.5 - 2.5mm <sup>2</sup>
Terminal screw	M3,5

■ Tripping characteristics

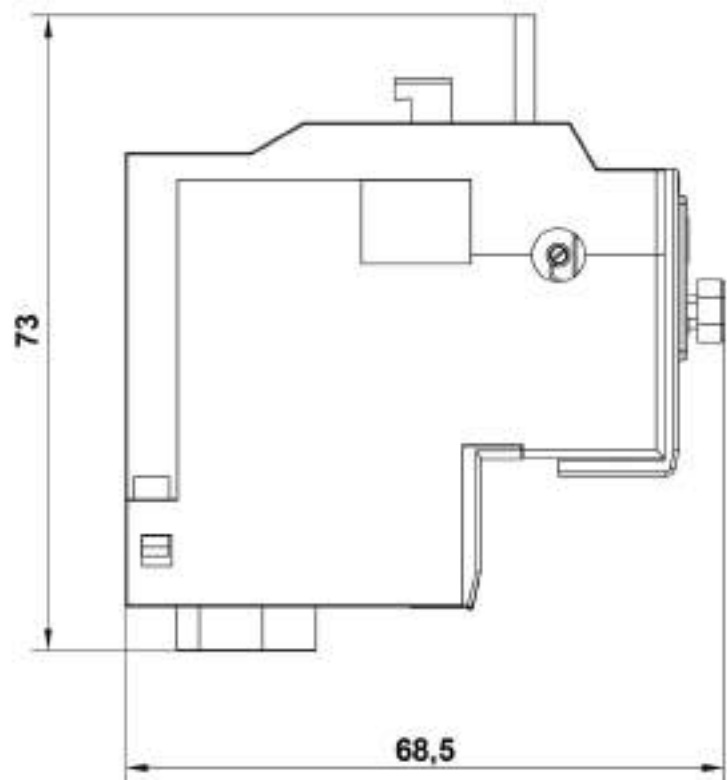
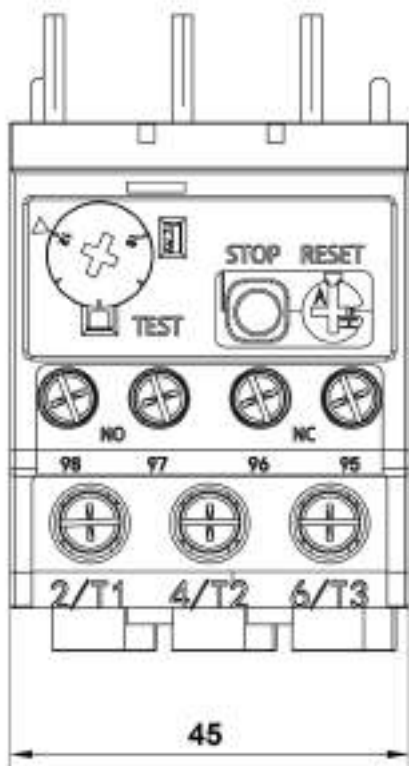


- 1-phase operation, cold state start
- 2-phase operation, cold state start
- 3-phase operation, cold state start

■ Wiring diagram



■ Dimensions



Articles

Thermal Overload Relay CUBICO Classic

Description	order no.
Thermal overload relay CUBICO Classic, 0.1A - 0.14A	LZTC0010-A
Thermal overload relay CUBICO Classic, 0.14A - 0.2A	LZTC0020-A
Thermal overload relay CUBICO Classic, 0.16A - 0.25A	LZTC0025-A
Thermal overload relay CUBICO Classic, 0.22A - 0.32A	LZTC0032-A
Thermal overload relay CUBICO Classic, 0.28A - 0.4A	LZTC0040-A
Thermal overload relay CUBICO Classic, 0.35A - 0.5A	LZTC0050-A
Thermal overload relay CUBICO Classic, 0.45A - 0.63A	LZTC0063-A
Thermal overload relay CUBICO Classic, 0.55A - 0.8A	LZTC0080-A
Thermal overload relay CUBICO Classic, 0.7A - 1A	LZTC0100-A
Thermal overload relay CUBICO Classic, 0.9A - 1.25A	LZTC0125-A
Thermal overload relay CUBICO Classic, 1.1A - 1,6A	LZTC0160-A
Thermal overload relay CUBICO Classic, 1.4A - 2A	LZTC0200-A
Thermal overload relay CUBICO Classic, 1.8A - 2,5A	LZTC0250-A
Thermal overload relay CUBICO Classic, 2.2A - 3.2A	LZTC0320-A
Thermal overload relay CUBICO Classic, 2.8A - 4A	LZTC0400-A
Thermal overload relay CUBICO Classic, 3.5A - 5A	LZTC0500-A
Thermal overload relay CUBICO Classic, 4.5A - 6.3A	LZTC0630-A
Thermal overload relay CUBICO Classic, 5.5A - 8A	LZTC0800-A
Thermal overload relay CUBICO Classic, 7.5A - 10A	LZTC1000-A
Thermal overload relay CUBICO Classic, 9A - 13A	LZTC1300-A
Thermal overload relay CUBICO Classic, 12A - 16A	LZTC1600-A
Thermal overload relay CUBICO Classic, 14A - 20A	LZTC2000-A
Thermal overload relay CUBICO Classic, 18A - 24A	LZTC2400-A
Thermal overload relay CUBICO Classic, 23A - 32A	LZTC3200-A
Thermal overload relay CUBICO Classic, 30A - 38A	LZTC3800-A