

■ 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

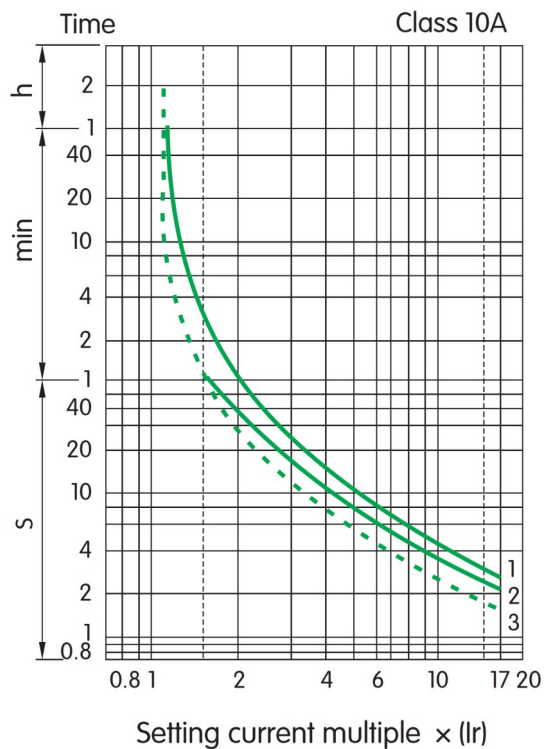
■ Technical datas

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	2A gG/gL
	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	

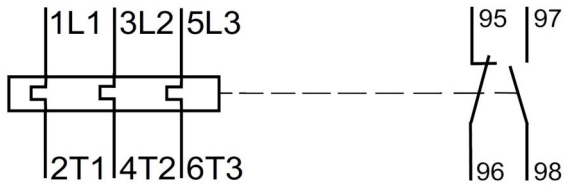
Overload protection	$1,05 \times I_N$	No operation within 2h
	$1,2 \times I_N$	Operation within 2h
	$1,5 \times I_N$	Operation within 2min
	$7,2 \times I_N$	$2s < \text{Tripping} \leq 10s$
Mounting type	Plug-in type	
Auxiliary contact	1NO + 1NC	
Rated current of auxiliary contact	AC-15 230 V	2,61 A
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

Tripping characteristics

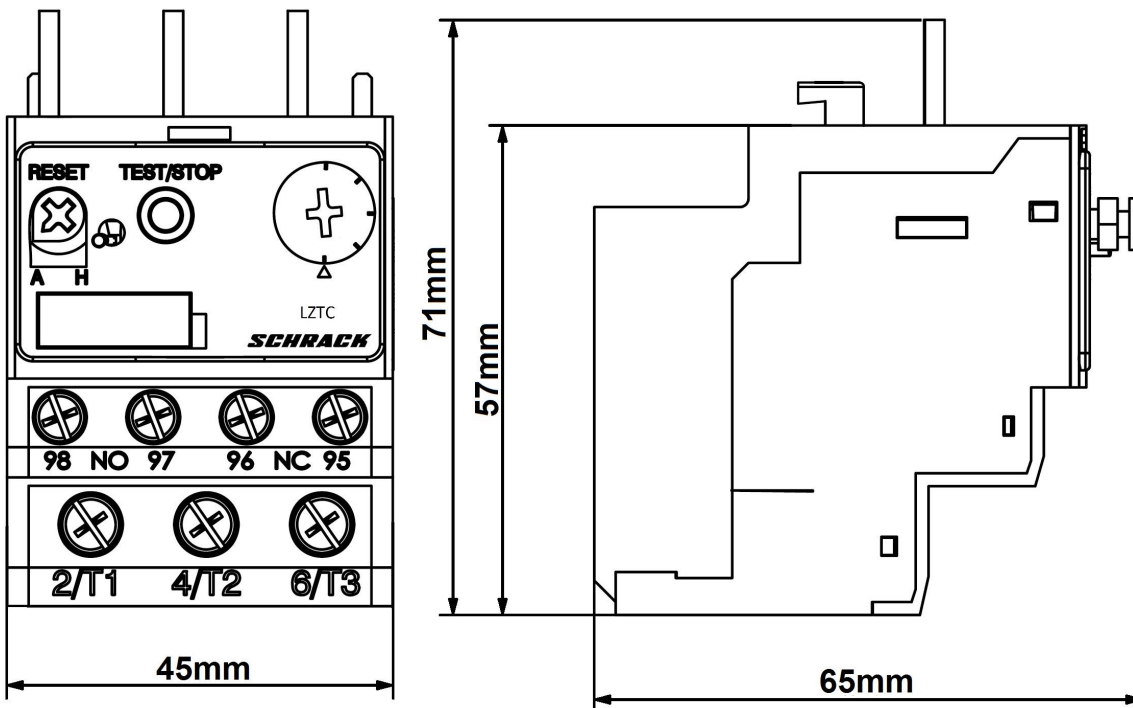


- 1-phase operation, cold state start
- 2-phase operation, cold state start
- 3-phase operation, cold state start

■ 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--