

## Thermal overload relays XTOD/XTOG



### Product description

XTOD/XTOG thermal overload relays offer precision motor protection with phase loss protection and ambient temperature compensation. The separate mount design allows for flexibility and the units can be mounted on DIN rail or directly on the panel adjacent the motor contactor.

XTOD... is for separate mounting; XTOG is for direct mounting.

### Features

- Precision motor protection up to 97A
- Integral 1NO/1NC contact for contactor control and alarm signal
- Phase loss protection
- Ambient temperature compensation
- DIN rail or panel mount options

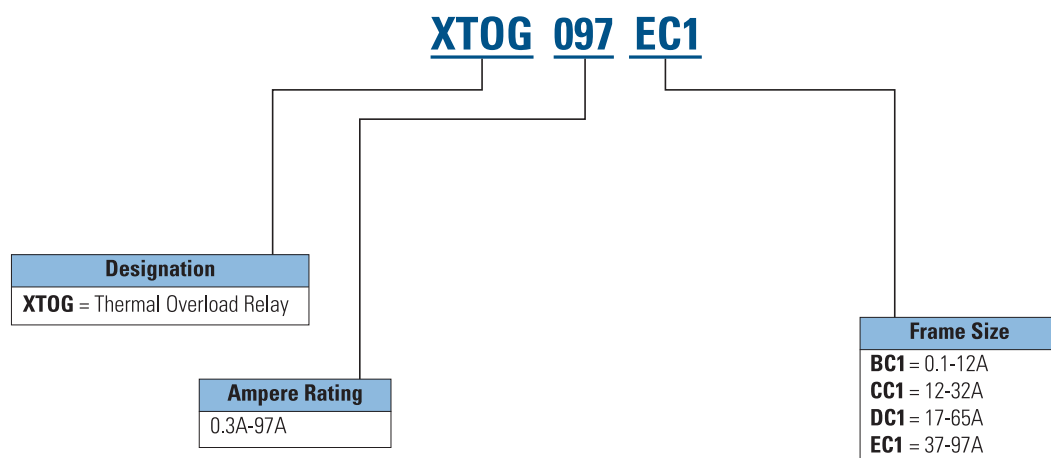
### System overview

Thermal overload relays provide protective features for 1 or 3 phase motors. The relay monitors the operating current of the motor and switched the contactor off in the event of an overload situation. It also protects the motor from damage during phase loss.

### Standards and certifications

- GB 14048
- IEC/EN 60947
- CCC
- CE

### XTOG Overload Relay



## Technical data

### General

			XTOD/XTOG
Standards			IEC/EN 60947, GB 14048
Climatic Proofing			Damp heat, constant, to IEC60068-2-78 Damp heat, cyclic, to IEC60068-2-30
<b>Ambient temperature</b>			
Open	°C		-25~55
Enclosed	°C		-25~40
Temperature compensation	°C		-5~40
Weight	kg		0.15
Protection type			IP20

### Main contacts

			XTOD/XTOG
Rated impulse withstand voltage	$U_{imp}$	VAC	6000
Overvoltage category/pollution degree			III/3
<b>Rated insulation voltage</b>			
AC	$U_i$	VAC	690
Rated operational voltage	$U_e$	VAC	690
Overload release setting range		A	0.1-97
<b>Terminal capacity</b>			
Solid		mm <sup>2</sup>	1 x (1-6) 2 x (1-6)
Flexible with ferrule		mm <sup>2</sup>	1 x (1-6) 2 x (1-6)
Solid/stranded		AWG	
Terminal screw			M4
Tightening torque		Nm	1.2

### Auxiliary and control circuits

			XTOD/XTOG
Rated impulse withstand voltage	$U_{imp}$	V	6000
Overvoltage category/pollution degree			III/3
<b>Terminal capacity</b>			
Solid		mm <sup>2</sup>	1 x (1-6) 2 x (1-6)
Flexible with ferrule		mm <sup>2</sup>	1 x (1-6) 2 x (1-6)
Solid/stranded		AWG	
Terminal screw			M3.5
Tightening torque		Nm	0.8
Rated insulation voltage	$U_i$	VAC	690
Rated operational voltage	$U_e$	VAC	690
Conventional thermal current	$I_{th}$	A	10
Rated operational current			
<b>AC-15</b>			
120V	$I_e$	A	6
220/240V	$I_e$	A	3
380V	$I_e$	A	1.9
480V	$I_e$	A	1.5
500V	$I_e$	A	1.4
600V	$I_e$	A	1.2
<b>DC-13</b>			
125V	$I_e$	A	0.55
250V	$I_e$	A	0.27