Thermal overload relays

For use with		Setting range of overload releases I_r (A)	Circuit symbol	Auxiliary contact N/O =Normally open N/C =Normally closed		Part no. Article no.	Standard package
XTOD..CC1S							
XTCG007 XTCG009 XTCG012 XTCG018 XTCG025 XTCG032	Seperate mounting	0.3~0.45		1 N/O	1 N/C	**XTODP45CC1S** 167952	1 piece
	Seperate mounting	0.45 ~0.67		1 N/O	1 N/C	**XTODP67CC1S** 167953	1 piece
	Seperate mounting	0.67~1.0		1 N/O	1 N/C	**XTOD001CC1S** 167954	1 piece
	Seperate mounting	1.0 ~1.5		1 N/O	1 N/C	**XTOD1P5CC1S** 167955	1 piece
	Seperate mounting	1.4 ~2.1		1 N/O	1 N/C	**XTOD2P2CC1S** 167956	1 piece
	Seperate mounting	1.8~2.7		1 N/O	1 N/C	**XTOD2P7CC1S** 167957	1 piece
	Seperate mounting	2.4~3.6		1 N/O	1 N/C	**XTOD3P6CC1S** 167958	1 piece
	Seperate mounting	3.5~5.0		1 N/O	1 N/C	**XTOD005CC1S** 167959	1 piece
	Seperate mounting	4.0~6.0		1 N/O	1 N/C	**XTOD006CC1S** 167960	1 piece
	Seperate mounting	5.5~8.5		1 N/O	1 N/C	**XTOD8P5CC1S** 167961	1 piece
	Seperate mounting	8.5~12.5		1 N/O	1 N/C	**XTOD013CC1S** 167962	1 piece
	Seperate mounting	12.5~18		1 N/O	1 N/C	**XTOD018CC1S** 167963	1 piece
	Seperate mounting	17~24		1 N/O	1 N/C	**XTOD024CC1S** 167964	1 piece
	Seperate mounting	22~30		1 N/O	1 N/C	**XTOD030CC1S** 167965	1 piece

1.1 Thermal overload relays XTOD

Technical data

General

			XTOD..CC1S
Standards			IEC/EN 60947, GB 14048
Climatic Proofing			Damp heat, constant, to IEC60068-2-78 Damp heat, cyclic, to IEC60068-2-30
Ambient temperature			
Open		°C	-25~55
Enclosed		°C	-25~40
Temperature compensation		°C	-5~40
Weight		kg	0.15
Protection type			IP20

Main contacts

			XTOD..CC1S
Rated impulse withstand voltage	U_{imp}	VAC	6000
Overvoltage category/pollution degree			III/3
Rated insulation voltage			
AC	U_i	VAC	690
Rated operational voltage	U_e	VAC	600
Overload release setting range		A	0.3-30
Terminal capacity			
Solid		mm^2	1 x (1-6) 2 x (1-6)
Flexible with ferrule		mm^2	1 x (1-6) 2 x (1-6)
Solid/stranded		AWG	
Terminal screw			M4
Tightening torque		Nm	1.2

Auxiliary and control circuits

			XTOD..CC1S
Rated impulse withstand voltage	U_{imp}	V	6000
Overvoltage category/pollution degree			III/3
Terminal capacity			
Solid		mm^2	1 x (1-6) 2 x (1-6)
Flexible with ferrule		mm^2	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	600
Conventional thermal current	I_{th}	A	10
Rated operational current			
AC-15			
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
DC-13			
125V	I_e	A	0.55
250V	I_e	A	0.27