

# Thermal overload relays XTOD

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# 1.1

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## Thermal overload relays

### XTOD..CC1S

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

## 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		
<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..CC1S			
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	600
Overload release setting range	A		0.3-30
<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..CC1S			
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	600
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