<

5mA-10A

DIN

SII BI

CC-H overview

- AC or DC over or under current monitor
- **DPCO** output max. 6A
- 3 measuring ranges 5mA 10A RMS
- level and hysteresis adjustments
- programmable latch/no latch alarm
- LED indicators for power supply, contact and reaction timer
- 45mm DIN rail mount housing

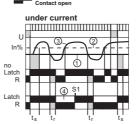


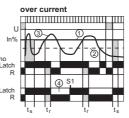
supply voltage variation	nominal voltage +10% / -15%			
frequency range	48 - 63 Hz			
duty cycle	100%			
start surge delay	0 - 10s			
reaction time	0 - 5s			
reset time	< 100ms			
output relay specification	max. 6A 230V~			
Ue/le AC-15	120V/4A 240V/3A			
Ue/le DC-13	24V/2A			
expected life time	DPCO SPCO			
mechanical	2×10^6 resp. 1×10^7 operations			
electrical	1×10^5 resp. 1×10^5 operations			
screws	pozidrive 1			
screw tightening torque	0,60,8Nm			
operating conditions	-20 to +60 °C non condensing			
	* EN 60947-5-1 VDE 0435			

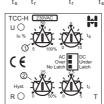


Function

Control relay active Control relay passive Contact closed Contact open







- 1 Threshold "In"
- ② Hysteresis
- 3 Monitored current
- 4 Latch
- ts... Start surge delay
- tr... Reaction timer
- T... LED indication reaction time

Over/under current control

On application of the supply voltage the output relay pulls in and the timing period **ts** starts.

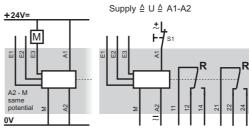
Current control with no latch (auto reset) function At the end of ts, when the

measured current exceeds the set threshold, timing period **tr** starts. At the end of **tr** the output relay changes over if the current measurement still exceeds the threshold.

The output relay resets immediately when the monitored current reaches the hysteresis set value.

Current control with latch (manual reset) function.

At the end of ts. if the measured current exceeds the set threshold, timing period **tr** starts. At the end of **tr** the output relay changes over and remains in this condition, even if the monitored current reaches the hysteresis set value. An external reset (S1) must be operated to reset the relay.



input	range	resistance	I _{EMAX} (20°C)	
E1-M	5mA - 100mA	1,0 Ohm	1,5 A	
E2-M	50mA - 1A	0,1 Ohm	3,5 A	
E3-M	0.5A - 10A	0.01 Ohm	14 A	

part no	sup	ply	output	sup. galv. iso*	: 717 :s	housing types
TCC-H 230Vac	230V~	2,5VA	DPCO	yes	yes	С
TCC-H 115Vac	115V~	2,5VA	DPCO	yes	yes	С
TCC-H 24Vac	24V~	2,5VA	DPCO	yes	yes	С
TCC-H 24Vdc	24V=	2W	DPCO	no	yes	С

^{*} The measurement input is galvanically isolated from the power supply

ordering information





W01.00

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