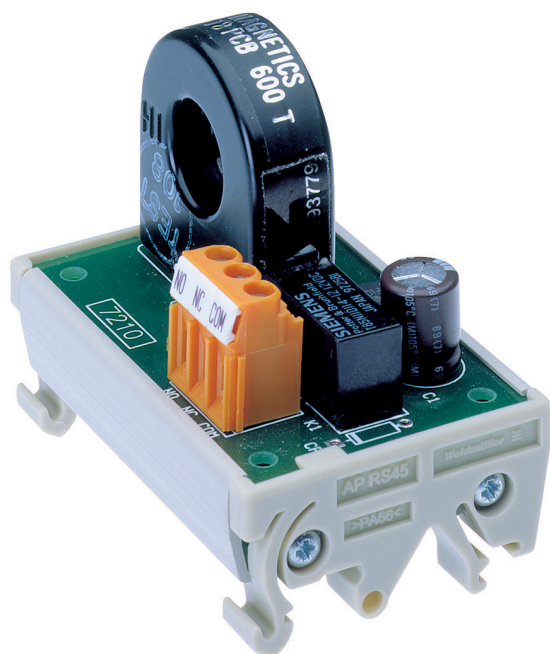


## CSR

### Current Sensing

### Relay Module



The CSR-25 senses the RMS current to a load such as a motor or a heater and provides a form C (SPDT) relay contact output.

The current level which turns the relay on is based on the number of turns through the current sensing toroidal transformer. A single turn will cause the relay to turn on at approximately 8A. Two turns will lower the level to 4A. The maximum load current is 25A.

#### Features:

- compact DIN rail mounted package
- 1Amp, 1 form C relay output
- no adjustment or calibration needed
- CSA approved

#### United States

Weidmüller Inc.  
821 Southlake Blvd.  
Richmond, Virginia 23236  
Telephone: (800) 849-9343  
Facsimile: (804) 379-2593  
Email: [info@weidmuller.com](mailto:info@weidmuller.com)  
Website: [www.weidmuller.com](http://www.weidmuller.com)

#### Canada

Weidmüller Ltd.  
10 Spy Court  
Markham, Ontario L3R 5H6  
Telephone: (800) 268-4080  
Facsimile: (905) 475-2798  
Email: [info1@weidmuller.ca](mailto:info1@weidmuller.ca)  
Website: [www.weidmuller.ca](http://www.weidmuller.ca)

#### Mexico

Weidmüller, S.A. de C.V.  
5 Sur No. 4311  
Col. Huexotitla  
72534 Puebla, Pue. Mexico  
Telephone: (22) 37 2549  
Facsimile: (22) 43 1981  
Email: [weidmull@acnet.net](mailto:weidmull@acnet.net)

# CSR

## Rated data

Input		
Current	maximum continuous	25A @ 1 turn
	surge (20mS)	100A
Voltage maximum		600Vac (based on insulation of load wire)
Frequency		50/60Hz
Wire diameter maximum (including insulation)		10mm

## Output

Contact	arrangement	1 form C (SPDT)
	material	palladium - nickel with gold-rodium overlay
	ratings	1A @ 24Vdc resistive, 0.5A @ 120Vac resistive
	maximum current	1A
	maximum switching	30W or 60VA
	minimum switching	0.01mA @ 10mV
		# of operations @ 1A, 24Vdc: 3 million, @0.5A, 120Vac: 250000



Turn-on/maximum/turn off current*	Turn-on	Maximum	Turn-off
loops through toroid 1	8A	25A	<1A
loops through toroid 2	4A	12A	<0.5A
loops through toroid 3	2.5A	8A	<0.35A
loops through toroid 4	2A	6A	<0.25A

\*specified values are for 20°C. Maximum number of turns is limited only by the outside diameter of the load wire

## General

Terminals wire size		26-12AWG
Isolation input-output		based on the insulation of the load wire
Temperature	operating	0-60°C
	storage	-20° - 60°C
Dimensions in mm (length x width x height)		45 x 66 x 60.5

## Ordering Data

CSR-25 rail mounted TS35  / TS 32   
 Panel mount version without RS45 housing

## Cat.No.

**991609**  
**991581**

