

# Go-No Go AC Current Sensing Relay

# **CSR**

#### **Specifications**

#### Electrical

Input Supply Voltage: None Required Pick-Up Range: 5.0 Amps ±12% Power Up Delay: 0.1Sec. Fixed Drop-Out Range: 4.5 Amps ±7% Drop-Out Delay: None Frequency: 50/60Hz Maximum Current: 200 Amps LRA, 15 Seconds max. 64 Amps FLA, Continuous Reset: Automatic Output Rating @ 25°C: 10 Amps @ 250VAC, 30VDC (UL) 300W (D.C.), 2500VA (A.C.) Max. switching power (resistive)

#### **Ordering Information**

**DIN Rail Bracket #DRB-4** 

3 6"

24

3

**Dimensions** 

1.5

**▲** 1.4" ⊘

9/16

.75

## CSR - 1 - TB - 5.0 - 4.5 R-K Model \_\_\_\_\_\_ Drop-Out Current 4.5A - 4.5 Amps Output Type 1 - One Normally Open (1FormA) \_\_\_\_\_ Pick-Up Current 5.0A - 5.0 Amps

3.8"

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4.75

4.25"

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6,000 Full Load Electrical Cycles (UL) 100,000 Full Load Electrical Cycles 20,000,000 Mechanical Cycles

#### Physical

Maximum Load Wire Diameter: 0.560" Dia. Mounting: Surface or DIN Rail Termination: #16 Stranded Wire Leads Packaging: Dust Cover Weight: 18 Oz.

#### **Ambient Temperatures**

Operating: 0°C to 55°C Storage: -10°C to 85°C

Lead Length TB - Terminal Block 18 - 18 inches \_\_\_\_ - Specify

Lead Length (in.)



#### Pickup soa str Pickup soa str

### Self Powered

- 4 to 200 Amps AC
- 10 Amp Contact
- Screw Terminals or Stranded Wire Leads
- Large Wire Thru Hole
- DIN Rail Mountable
- Compact Design
- Low Cost



Also UL Recognized Component as a Current Sensitive Relay under file E157410.

#### Operation

#### **AC Current Sensing**

The CSR generates its own operating power supply from the monitored current line. No external power supply is needed. A current greater than the pick-up current is required to energize the output relay. The output relay will stay energized until the current in the line being monitored drops below the drop-out current level for the CSR.

