

# Emphatec SigNext®

## 8 Channel Circuit Breaker



### Features

- Single power input and 8 protected outputs in a 35mm wide housing
- Designed for 24Vdc applications
- All connections via plug and socket connectors
- 0V terminations provided for each output so no additional terminal blocks required

### Ordering Data

Type	Order Number
Emphatec SigNext® 8 x 0.5A	330077
Emphatec SigNext® 8 x 1.0A	330078
Emphatec SigNext® 8 x 1.5A	330079
Emphatec SigNext® 8 x 2.0A	330034

The Emphatec SigNext® 8 Channel Circuit Breaker module provides 8 remotely controllable DC circuit breakers in a 35mm wide DIN rail mounted housing. That means less than 4mm per breaker!

The breaker mechanism is a supplemental rated thermal device that remains off once it has tripped (most thermal breakers reset automatically and cycle on and off if the fault is still present). Resetting a tripped breaker is accomplished via a pushbutton on the module or via a digital input. The reset is common to all 8 breakers. LEDs indicate the status of each channel. All restrictions associated with supplemental breakers apply to this module.

The remote on/off feature allows this module to be used as an 8 pole relay with the relays fed from a common 24Vdc source.

Intended as a power supply accessory, the thermal breakers are fast enough that a fault in one circuit will trip the breaker before the power supply switches off. The interrupting rating is 500A so the short circuit fault current delivered by the 24Vdc supply cannot exceed this level.

## Technical Data

### Emphatec SigNext® 8 Channel Circuit Breaker

**Order Number**  
**8 x 0.5A 330077**  
**8 x 1.0A 330078**  
**8 x 1.5A 330079**  
**8 x 2.0A 330034**

Input voltage: 24Vdc nominal  
 Total current @ Vnom: 15A max

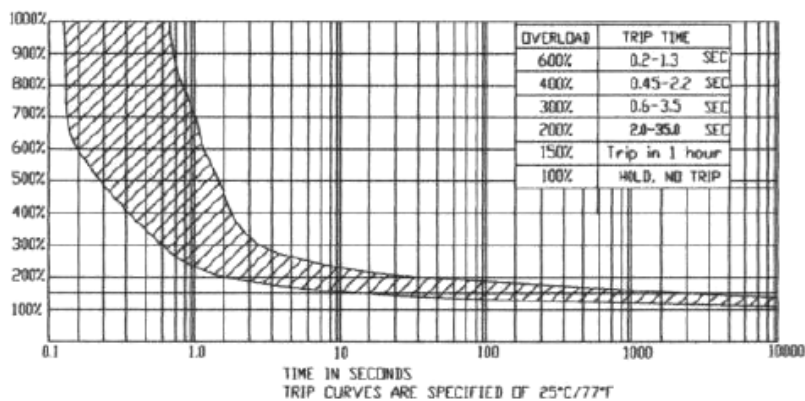
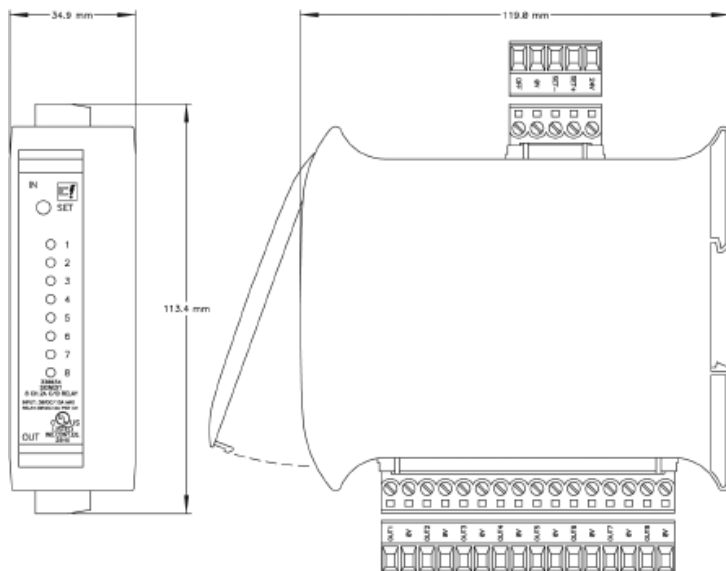
Output voltage: 24Vdc nominal  
 Current: 2A max. per contact, 15A max. total  
 Trip time: See trip curve  
 Interrupting current: 500A

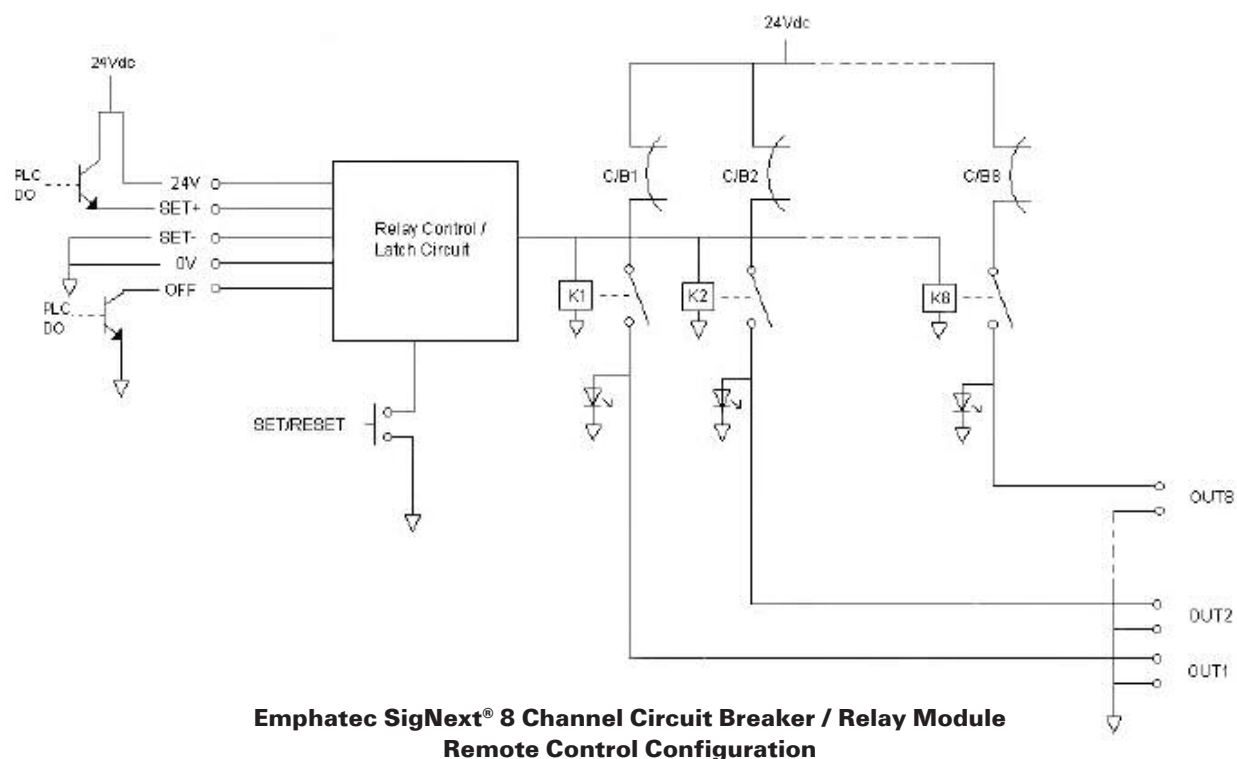
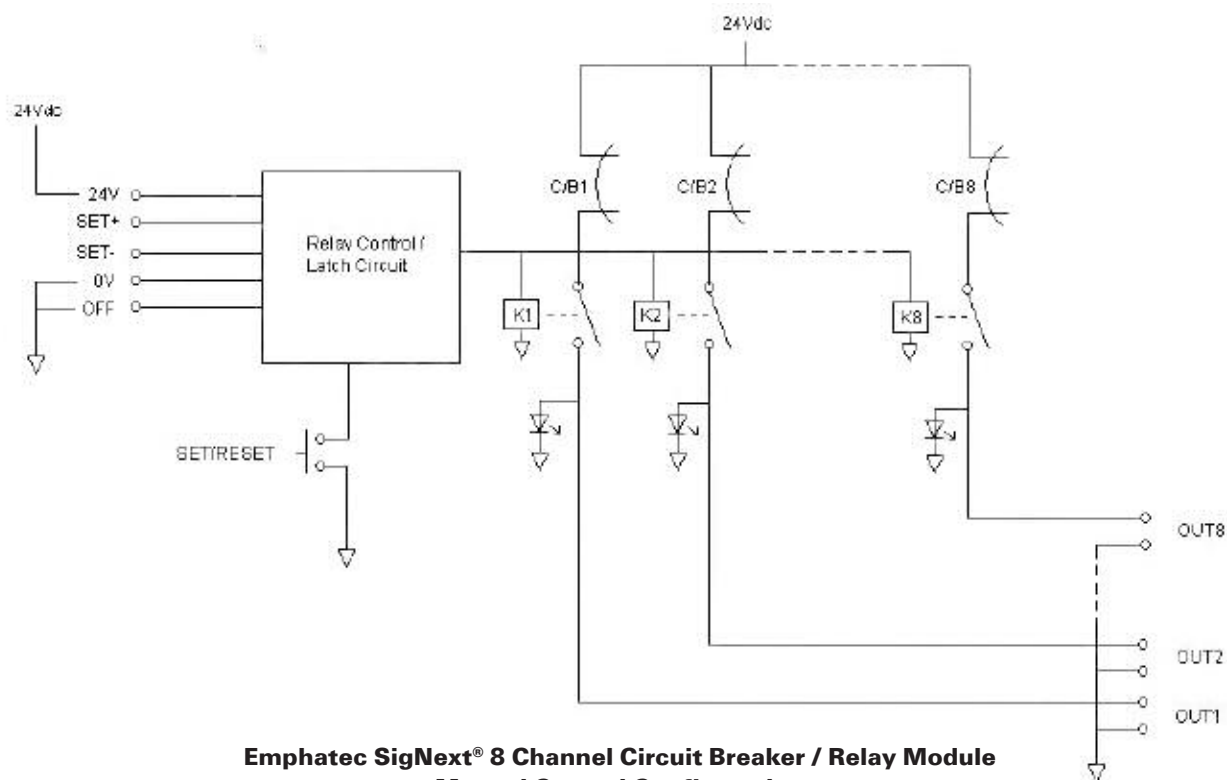
Controls set / reset: 24Vdc, 2 wire input configurable for sinking or sourcing signals  
 off: Connected to 0V of supply to enable the module, interrupted to turn off outputs

Other Temperature: storage : - 40°C to + 60°C  
 operating : - 20°C to + 40°C

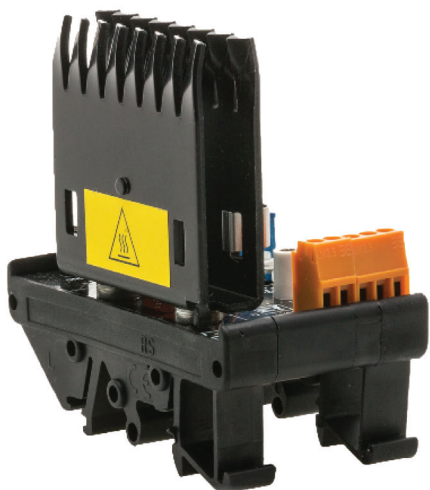
Terminations: plug and socket, 26 - 12 AWG

Approvals: cULus listed E256770





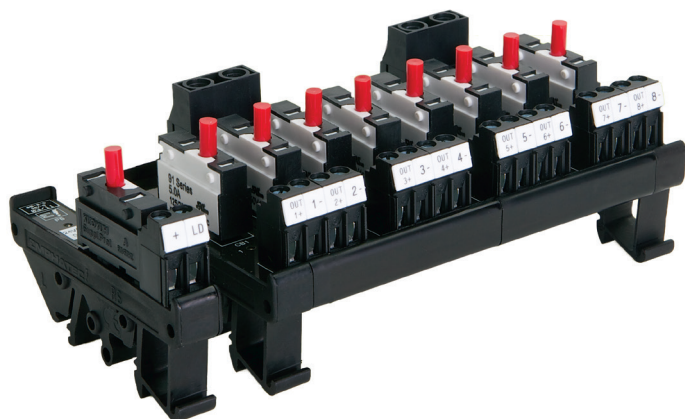
## Other Overcurrent Protection Products



### **Emphatec InstaLink® - DC SSR Solid State Relay & Current Limiter**

Order Number : 330013

- DC solid state relay rated up to 20A
- Includes overcurrent protection with user adjustable threshold
- Digital output when current threshold is exceeded
- Mounts on 32mm and 35mm DIN rails



### **Emphatec InstaLink® - CBM Circuit Breaker Module**

Order Number : 330070

- Single and eight channel supplemental
- 24Vdc and 120-230Vac versions
- Status LED
- cULus approved

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Subject to technical changes

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