

# Overload Relays

*Overview*.....B1:2

*CEP7-1 3rd Gen Solid State Overload Relays*.....**NEW**.....B1:3

*Accessories*.....B1:6

*Technical Information*.....B1:8

*Dimensions*.....B1:12

**B1**

Overload Relays

*CT7N Bimetallic Overload Relays*.....B2:1

*Accessories*.....B2:3

*Technical Information*.....B2:4

*Dimensions*.....B2:10

*CT8 Thermal Overload Relays*.....B3:1

*Technical Information*.....B3:3

*Dimensions*.....B3:5

*CEP9 Electronic Overload Relays*.....B4:1

*Technical Information*.....B4:8

*Dimensions*.....B4:12



**B1:1**

# Choices in Overload Relays

B1

Overload Relays



## CT7N/CT8 Thermal Bimetallic

### Key Features:

- Ambient temperature compensation
- Rated for DC and variable frequent drive applications up to 400 Hz
- Optional remote reset solenoid and external reset accessories



## CEP7 Solid State

### Key Features:

- Current measurement based protection
- Low energy consumption
- Side-mount expansion modules provide adjustable levels of protection and communication



## CEP9 Advanced Electronic

### Key Features:

- Provides critical motor protection functions
- Communication and diagnostics provide detailed logs and control from relay to motor
- Can simplify control architecture

### Product Feature Overview

Relay Type	CT7N/CT8	CEP7-1	CEP9 - Parameter	CEP9
<b>Protection Features</b>				
Overload	•	•	•	•
Phase Loss		•	•	•
Ground Fault	•	•	•	•
Current Imbalance			•	•
Add-on Protection	•	•	•	•
Over/ Under Voltage			•	•
Voltage Imbalance			•	•
Over/ Under Power			•	•
<b>Diagnostics Features</b>				
% Full Load Amperes (FLA)		•	•	•
% Thermal Capacity Utilization (TCU)		•	•	•
Voltage			•	•
Power			•	•
Energy			•	•
<b>Integration Features</b>				
DeviceLogix™			•	•
Logix Controller				•
Connected Components Workbench™ Software			•	
EtherNet/IP™				Embedded (dual-port)
Local Programming Method				EtherNet/IP or DeviceNet ①

① You can also configure CEP9 devices using an optional expansion operator diagnostic station.

Protecting your investment is critical to keeping your operations up and running. Prevent unwanted down time by choosing the right protection for your motor controls. Sprecher + Schuh is proud to offer several options in motor protection. From simple single purpose devices, to varying degrees of selection options and complete factory automation and communication, selecting the right protection is vital to ensuring motor life and longevity. Sprecher + Schuh is here to help protect your investment.