



SIGNEXT® CTSM

Current Transformer Shorting Module

EMPHATEC!
emphasis on solutions

- **Automatically applies a short circuit to the secondary of a CT in fault condition**
- **Alarm output**
- **Compact, requires just 25mm of DIN rail**
- **Plug and socket connections**



Emphatec's SIGNEXT® CTSM is designed to prevent hazardous voltages from being produced by current transformers that accidentally are unloaded. If the secondary of a CT is unloaded (open circuit) very high voltages can be produced that pose shock and fire hazards. This module monitors the secondary and applies a short circuit in the event the voltage increases over approximately 2V. The short circuit can be applied indefinitely.

To ensure integrity in the CT secondary circuit the module uses tension clamp terminations that are vibration proof and locking blocks on the connector so accidental disconnection is not possible.

Another feature is an alarm output (24Vdc @ 40mA). The short circuiting function works even when the 24Vdc for the alarm circuit is not applied to the module.



SPECIFICATIONS

Current:	0 - 5A
Voltage:	N/A
Wire size:	26 - 12AWG Solid or stranded Copper only
Alarm Output:	24Vdc nominal @ 40mA max.
Terminations:	CT secondary: tension clamp Alarm output: screw clamp
Mounting:	35mm DIN rail Housing grounded via mounting foot and DIN rail
Catalog number:	330123

