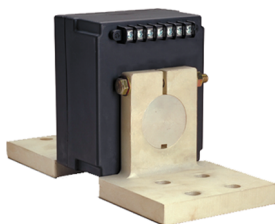


Neutral Current Transformer (CT)



Current transformers are available for applications requiring ground-fault protection on three-phase, four-wire systems or for neutral protection and metering. Neutral current transformers are not required on non-ground-fault circuit breakers, or on three-phase, three-wire systems. The rating of the external neutral current transformer must be compatible with the rating of the circuit breaker.

Circuit Breaker	Sensor	Cat. No.
P-Frame	250	S33575
	400–1600	S33576
R-Frame	250	S48916
	400–1600	S34036
	2000	S48896
	2500	S48182
All	All	NCTWIRING ⁹³
12-pin Trip Unit Connector		S33100

NOTE: These neutral current transformers cannot be used for SGR (Source Ground-Return) or MDGF (Modified Differential Ground Fault) applications.

Ground-Fault Interface Module



The ground-fault interface module (P-frame, R-frame and NS630b–NS3200 circuit breakers only) is used to sum the current flow in three-phase, four-wire systems and multiple-sourced systems, using one or more specially-designed external current sensors to measure current flow. The ground-fault interface module is commonly used in two applications:

- For a ground-source return ground-fault sensing (SGR) system
- For a modified differential ground-fault (MDGF) system

More complex systems are possible, for information about these, contact a field sales representative.

Order kit number S48891.

External Sensor for SGR or MDGF Protections



For use on 400 A sensor or higher.

In SGR applications, an external sensor is installed around the connection of the transformer neutral point to ground. Its secondary is connected to the MicroLogic 6.0A, 6.0P or 6.0H trip units.

In MDGF applications, a sensor is installed on each phase and neutral conductor. The sensors for each circuit breaker are connected to an interface module. These, in turn, connect to the MicroLogic 6.0A, 6.0P or 6.0H trip units.

Order kit number S33579.

93. Included with NCT.