

# Overload Relays

## Standard features for ZE, Z00, Z1, Z4, Z5 and ZW7 overload relays

3 pole adjustable overload relay. Current transformer-operated overload relay for heavy starting duty (**ZW7**).

Auxiliary contacts: NO + NC.

For mounting directly on to contactor, or for separate mounting. (Type **ZE**, direct mounting on contactor only).

Temperature compensated.

**Clearly marked setting scale:** Facilitates accurate setting, even for intermediate values, to motor FLC.

**Setting lever for hand or auto reset:** Supplied set to "Hand" (with manual reset).

**Hand:** After tripping, reset button must be operated. Normally associated with two-wire controls for safety reasons and to prevent "pumping".

**Auto:** Automatic reset after tripping. Normally associated with three-wire controls.

**Reset button** (internal reset): To reset after tripping when reset lever is set to "Hand".

If fault still exists, trips free even if reset button is held down.

On enclosed devices use supplementary **MDE** external reset button.

**Test/OFF button:** To simulate tripping of overload relay.

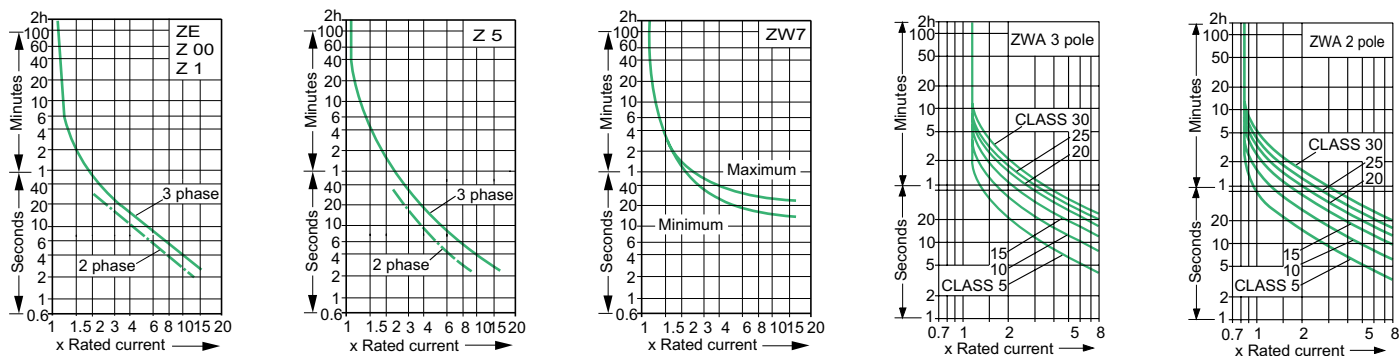
To de-energize self-maintaining contactors (OFF function for all types except **Z4**).

**Current transformer-operated overload relays:** The specified primary rated current applies to one cable loop.

For lower rated motor current, loop cable several times, e.g. **ZW7-63** for 21...31.5 A rated motor current: Loop cable twice.

## Tripping Characteristics:

The tripping curves are average values of the tolerance curves at 20° C, starting from cold. Tripping time is given in relation to the tripping current. Specific characteristics for each individual setting range available on request.



**Special Note:** All types have adjustable dial for setting motor full load current. Trip current is 125% of set value. For motors with a service factor (SF) of 1.0, set dial to 90% of motor full load current.