

Thermal overload relays for contactors from 0.16 to 850A

- Control circuit up to 690V AC
- Power circuit:
 - RT1, RT12: up to 690V
 - RT2, RT22, RT3, RT32, RT4/4L, RT5/5L & RT6/6L: up to 1000V
- Thermal protection against normal overloads.
- Three pole differential (phase unbalance protection).
- Protection against long starting times.
- Automatic ambient temperature compensation between - 25°C y + 60°C.
- Front mounted test button.
- Trip indication.
- Independent auxiliary contacts with double rupture (1NO + 1NC).
- Function selector:
 - Manual RESET
 - Manual RESET and STOP
 - Automatic RESET with STOP
 - Automatic RESET without STOP

Standards

| | |
|------------------|-------------|
| IEC/EN 60947-4-1 | CSA 22.2/14 |
| IEC/EN 60947-5-1 | NI C 63-650 |
| UNE 115 | VDE 0660 |
| NFC 63-650 | UL 508 |
| CEI 17-50 | |

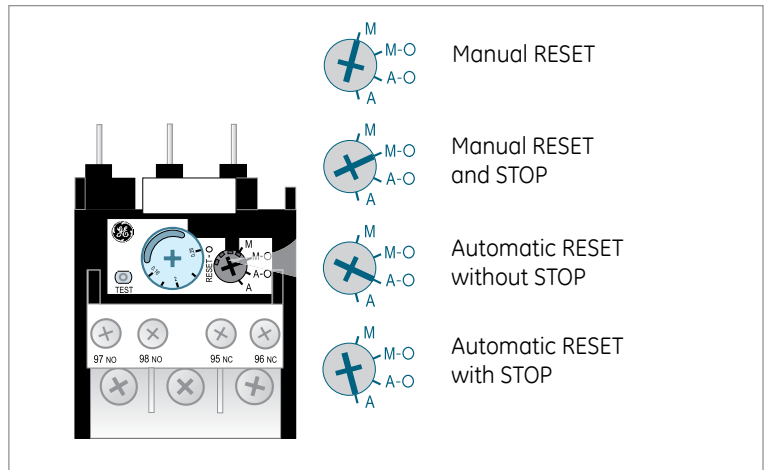
Approvals



Lloyd's Register

Bureau Veritas

RINA



Order codes | pg. C.35
 Dimensions | pg. C.44



Thermal overload relays for contactors



| | For use with: | Setting range (regulation) | | Fuses ⁽¹⁾ | | Srew terminal | | Ring terminal | | Pack | |
|------------------|-----------------|----------------------------|--------|----------------------|---------|---------------|----------|---------------|----------|--------|---|
| | | | | aM | gL - gG | | | | | | |
| | | min. A | max. A | A | A | Cat. no. | Ref. no. | Cat. no. | Ref. no. | | |
| Class 10A | CL00 | 0.16 | 0.26 | 2 | 2 | RT1B | 113700 | RT1RB | 114087 | 5 | |
| | CL01 | 0.25 | 0.41 | 2 | 2 | RT1C | 113701 | RT1RC | 114088 | 5 | |
| | CL02 | 0.4 | 0.65 | 2 | 2 | RT1D | 113702 | RT1RD | 114089 | 5 | |
| | CL25 | 0.65 | 1.1 | 2 | 4 | RT1F | 113703 | RT1RF | 114090 | 5 | |
| | CL03 | 1.0 | 1.5 | 4 | 6 | RT1G | 113704 | RT1RG | 114091 | 5 | |
| | CL04 | 1.3 | 1.9 | 4 | 6 | RT1H | 113705 | RT1RH | 114092 | 5 | |
| | CL45 | 1.8 | 2.7 | 6 | 10 | RT1J | 113706 | RT1RJ | 114093 | 5 | |
| | | 2.5 | 4.0 | 8 | 16 | RT1K | 113707 | RT1RK | 114094 | 5 | |
| | | 4.0 | 6.3 | 12 | 20 | RT1L | 113708 | RT1RL | 114095 | 5 | |
| | | 5.5 | 8.5 | 16 | 20 | RT1M | 113709 | RT1RM | 114096 | 5 | |
| | | 8.0 | 12.0 | 20 | 25 | RT1N | 113710 | RT1RN | 114097 | 5 | |
| | | 10.0 | 16.0 | 25 | 35 | RT1P | 113711 | RT1RP | 114098 | 5 | |
| | | 14.5 | 18.0 | 32 | 50 | RT1S | 113712 | RT1RS | 114099 | 5 | |
| | | 17.5 | 22.0 | 40 | 50 | RT1T | 113713 | RT1RT | 114100 | 5 | |
| | | 21.0 | 26.0 | 40 | 63 | RT1U | 113714 | RT1RU | 114101 | 5 | |
| | | 25.0 | 32.0 | 50 | 80 | RT1V | 113715 | RT1RV | 114102 | 5 | |
| | | 30.0 | 40.0 | 63 | 100 | RT1W | 113716 | RT1RW | 114103 | 5 | |
| | Class 10 | CL05 | 11.5 | 15.0 | 32 | 35 | RT2A | 113717 | RT2RA | 114104 | 1 |
| CL06 | | 14.5 | 19.0 | 40 | 50 | RT2B | 113718 | RT2RB | 114105 | 1 | |
| CL07 | | 18.5 | 25.0 | 50 | 63 | RT2C | 113719 | RT2RC | 114106 | 1 | |
| CL08 | | 24.0 | 32.0 | 63 | 100 | RT2D | 113720 | RT2RD | 114107 | 1 | |
| CL09 | | 30.0 | 43.0 | 80 | 125 | RT2E | 113721 | RT2RE | 114108 | 1 | |
| CL10 | | 42.0 | 55.0 | 100 | 160 | RT2G | 113722 | RT2RG | 114109 | 1 | |
| | | 54.0 | 65.0 | 125 | 160 | RT2H | 113723 | RT2RH | 114110 | 1 | |
| | | 64.0 | 82.0 | 125 | 200 | RT2J | 113724 | RT2RJ | 114111 | 1 | |
| | | 78.0 | 97.0 | 125 | 200 | RT2L | 113725 | RT2RL | 114112 | 1 | |
| | | 90.0 | 110 | 160 | 250 | RT2M | 113726 | RT2RM | 114113 | 1 | |
| Class 20 | CL00 | 0.4 | 0.65 | 2 | 2 | RT12D | 139138 | RT12RD | 114060 | 5 | |
| | CL01 | 0.65 | 1.1 | 2 | 4 | RT12F | 139139 | RT12RF | 114061 | 5 | |
| | CL02 | 1 | 1.5 | 4 | 6 | RT12G | 139140 | RT12RG | 114062 | 5 | |
| | CL25 | 1.3 | 1.9 | 4 | 6 | RT12H | 139141 | RT12RH | 114063 | 5 | |
| | CL03 | 1.8 | 2.7 | 8 | 10 | RT12J | 139142 | RT12RJ | 114159 | 5 | |
| | CL04 | 2.5 | 4.1 | 8 | 16 | RT12K | 113640 | RT12RK | 114114 | 5 | |
| | CL45 | 4 | 6.3 | 12 | 20 | RT12L | 113641 | RT12RL | 114115 | 5 | |
| | | 5.5 | 8.5 | 16 | 20 | RT12M | 113642 | RT12RM | 114116 | 5 | |
| | | 8 | 12 | 20 | 35 | RT12N | 113643 | RT12RN | 114117 | 5 | |
| | | 10 | 16 | 25 | 35 | RT12P | 113644 | RT12RP | 114118 | 5 | |
| | | 14.5 | 18 | 32 | 50 | RT12S | 113645 | RT12RS | 114119 | 5 | |
| | | 17.5 | 22 | 40 | 50 | RT12T | 113646 | RT12RT | 114120 | 5 | |
| | | 21 | 26 | 40 | 63 | RT12U | 113647 | RT12RU | 114121 | 5 | |
| | | 25 | 32 | 50 | 80 | RT12V | 113648 | RT12RV | 114122 | 5 | |
| | | 30 | 40 | 63 | 100 | RT12W | 113649 | RT12RW | 114123 | 5 | |
| | | CL05 | 24 | 32 | 63 | 80 | RT22D | 113650 | RT22RD | 114124 | 1 |
| | | CL06 | 30 | 43 | 80 | 100 | RT22E | 113651 | RT22RE | 114125 | 1 |
| | | CL07 | 42 | 55 | 100 | 160 | RT22G | 113652 | RT22RG | 114126 | 1 |
| | | CL08 | 54 | 65 | 125 | 160 | RT22H | 113653 | RT22RH | 114127 | 1 |
| | | CL09 | 64 | 82 | 125 | 200 | RT22J | 113654 | RT22RJ | 114128 | 1 |
| | | CL10 | 78 | 97 | 125 | 200 | RT22L | 113655 | RT22RL | 114129 | 1 |
| | | | 90 | 110 | 160 | 250 | RT22M | 113656 | RT22RM | 114130 | 1 |

(1) Most suitable fuse in accordance with IEC 60947-4-1.

Order codes

A

B

C

D

E

F

G

H

I

X

