

Thermal relays RTX³

for CTX³ 3-pole industrial contactors



Dimensions p. 54-55
Tripping curves p. 42-45

Thermal protection against overloads, long starting times and lasting stalling of the motor
Differential type ensures a better protection in case of one phase failure thanks to faster tripping
Conform to IEC 60 947-1, IEC 60 947-4-1

| Pack | Cat.Nos | | Thermal overload relays | | |
|------|----------|---------|--------------------------------------------------------------------------------------------------------|------------|--|
| | | | Class 10A Integrated auxiliary contacts 1 NO + 1 NC | | |
| | | | RTX³ 40 | | |
| | | | For CTX ³ 22 and 40 With screw terminals | | |
| | Type | | Adjustment range | | |
| | standard | diff. | I min. (A) | I max. (A) | |
| 1 | 4166 40 | 4166 60 | 0.1 | 0.16 | |
| 1 | 4166 41 | 4166 61 | 0.16 | 0.25 | |
| 1 | 4166 42 | 4166 62 | 0.25 | 0.4 | |
| 1 | 4166 43 | 4166 63 | 0.4 | 0.63 | |
| 1 | 4166 44 | 4166 64 | 0.63 | 1 | |
| 1 | 4166 45 | 4166 65 | 1 | 1.6 | |
| 1 | 4166 46 | 4166 66 | 1.6 | 2.5 | |
| 1 | 4166 47 | 4166 67 | 2.5 | 4 | |
| 1 | 4166 48 | 4166 68 | 4 | 6 | |
| 1 | 4166 49 | 4166 69 | 5 | 8 | |
| 1 | 4166 50 | 4166 70 | 6 | 9 | |
| 1 | 4166 51 | 4166 71 | 7 | 10 | |
| 1 | 4166 52 | 4166 72 | 9 | 13 | |
| 1 | 4166 53 | 4166 73 | 12 | 18 | |
| 1 | 4166 54 | 4166 74 | 16 | 22 | |
| 1 | 4166 55 | 4166 75 | 18 | 25 | |
| 1 | 4166 56 | 4166 76 | 22 | 32 | |
| 1 | 4166 57 | 4166 77 | 28 | 40 | |
| | | | RTX³ 65 | | |
| | | | For CTX ³ 65 Standard type with screw terminals Differential type with cage terminals | | |
| 1 | 4166 83 | 4167 03 | 9 | 13 | |
| 1 | 4166 84 | 4167 04 | 12 | 18 | |
| 1 | 4166 85 | 4167 05 | 16 | 22 | |
| 1 | 4166 86 | 4167 06 | 18 | 25 | |
| 1 | 4166 87 | 4167 07 | 24 | 36 | |
| 1 | 4166 88 | 4167 08 | 28 | 40 | |
| 1 | 4166 89 | 4167 09 | 34 | 50 | |
| 1 | 4166 90 | 4167 10 | 45 | 65 | |

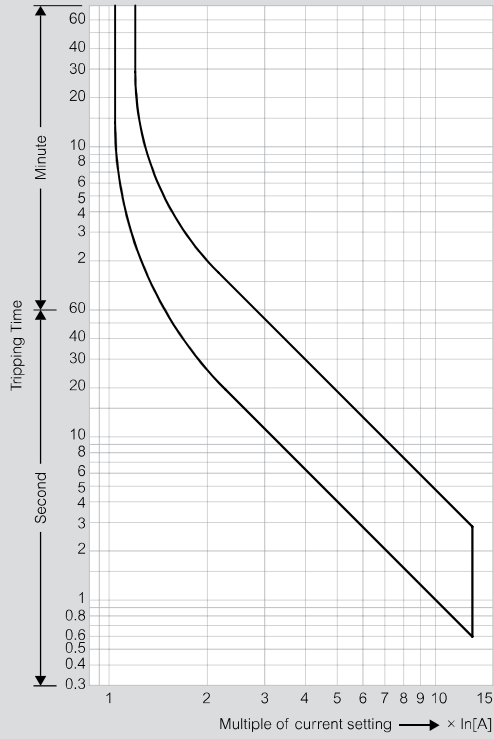
| Pack | Cat.Nos | | Thermal overload relays (continued) | | |
|------|----------|---------|---------------------------------------------------------------------------------------------------------|------------|--|
| | | | Class 10A Integrated auxiliary contacts 1 NO + 1 NC | | |
| | | | RTX³ 100 | | |
| | | | For CTX ³ 100 Standard type with screw terminals Differential type with cage terminals | | |
| | Type | | Adjustment range | | |
| | standard | diff. | I min. (A) | I max. (A) | |
| 1 | 4167 23 | 4167 43 | 18 | 25 | |
| 1 | 4167 24 | 4167 44 | 24 | 36 | |
| 1 | 4167 25 | 4167 45 | 28 | 40 | |
| 1 | 4167 26 | 4167 46 | 34 | 50 | |
| 1 | 4167 27 | 4167 47 | 45 | 65 | |
| 1 | 4167 28 | 4167 48 | 54 | 75 | |
| 1 | 4167 29 | 4167 49 | 63 | 85 | |
| 1 | 4167 30 | 4167 50 | 70 | 95 | |
| 1 | 4167 31 | 4167 51 | 80 | 100 | |
| | | | RTX³ 150 | | |
| | | | For CTX ³ 150 Standard type with screw terminals Differential type with cage terminals | | |
| 1 | 4167 60 | 4167 70 | 45 | 65 | |
| 1 | 4167 61 | 4167 71 | 54 | 75 | |
| 1 | 4167 62 | 4167 72 | 63 | 85 | |
| 1 | 4167 63 | 4167 73 | 80 | 105 | |
| 1 | 4167 64 | 4167 74 | 95 | 130 | |
| 1 | 4167 65 | 4167 75 | 110 | 150 | |
| | | | Separate mounting units | | |
| | | | To mount the relays separately from contactors, on DIN rail or panel by fixing screws | | |
| 1 | 4165 91 | | For RTX ³ 40 up to 32 A | | |
| 1 | 4165 92 | | For RTX ³ 40 40 A | | |
| 1 | 4165 93 | | For RTX ³ 65 with screw terminals | | |
| 1 | 4165 94 | | For RTX ³ 65 with cage terminals | | |
| 1 | 4165 95 | | For RTX ³ 100 with screw terminals | | |
| 1 | 4165 96 | | For RTX ³ 100 with cage terminals | | |
| 1 | 4165 97 | | For RTX ³ 150 with screw terminals | | |
| 1 | 4165 98 | | For RTX ³ 150 with cage terminals | | |

Thermal relays RTX³

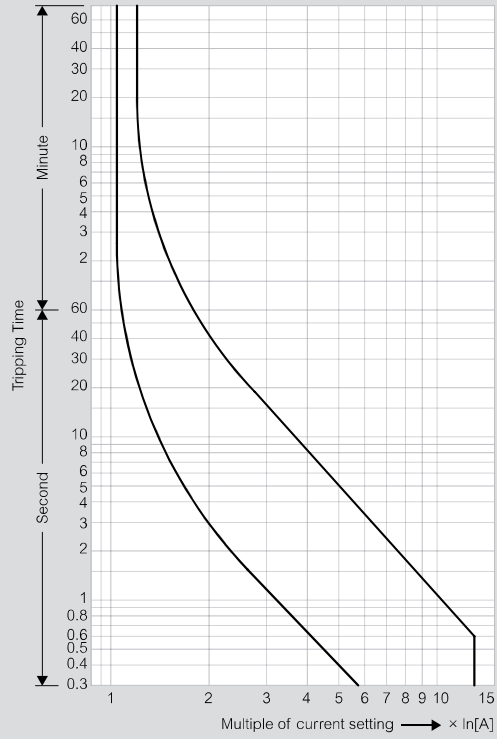
tripping curves

RTX³ 40 - class 10 A

Cold starting

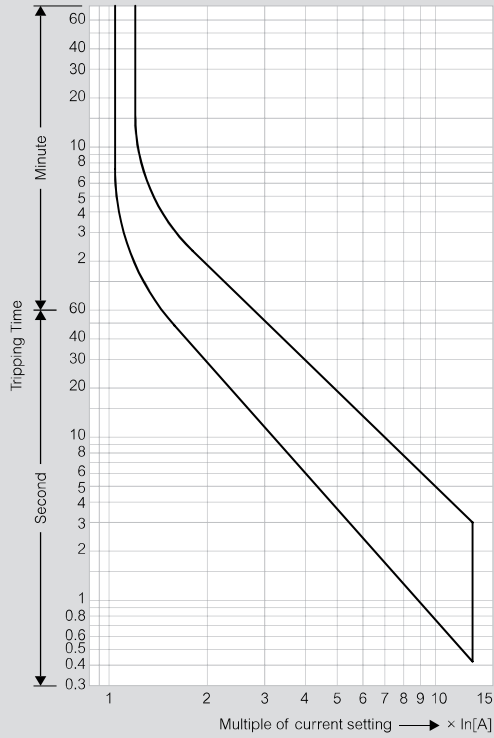


Hot starting

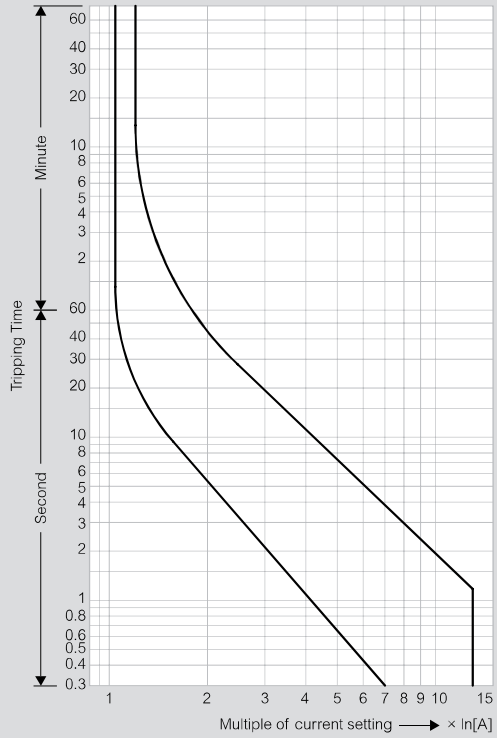


RTX³ 65 - class 10 A

Cold starting



Hot starting

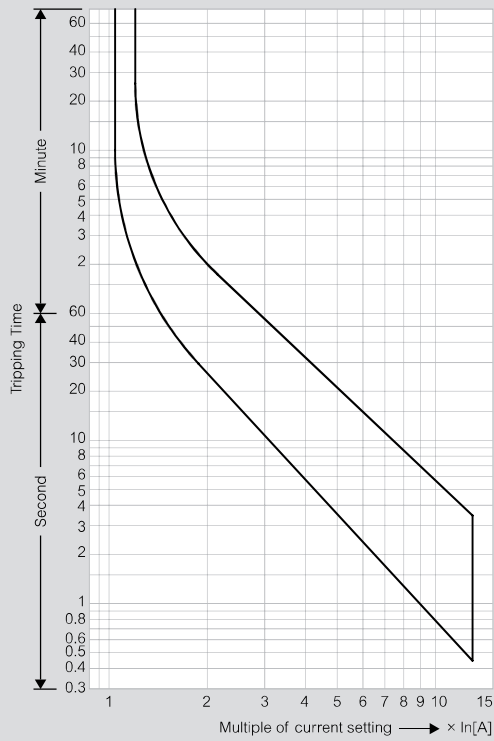


Thermal relays RTX³

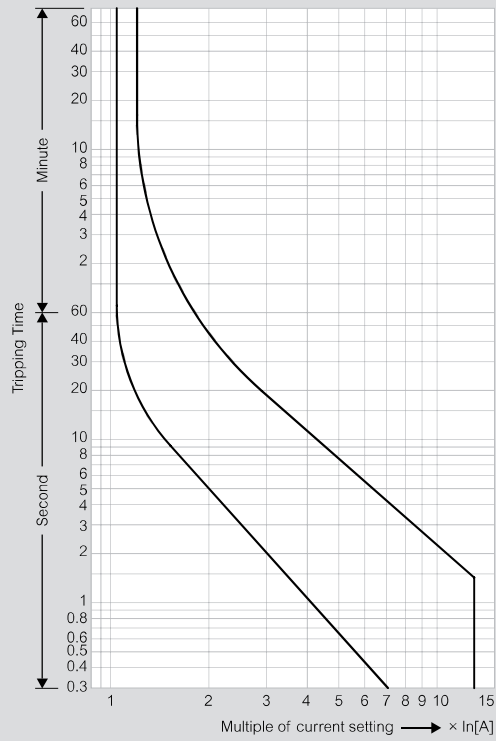
tripping curves (continued)

RTX³ 100 - class 10 A

Cold starting

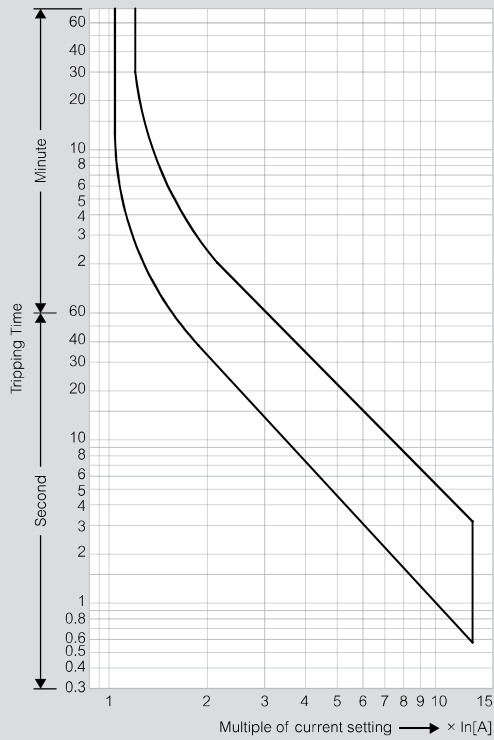


Hot starting

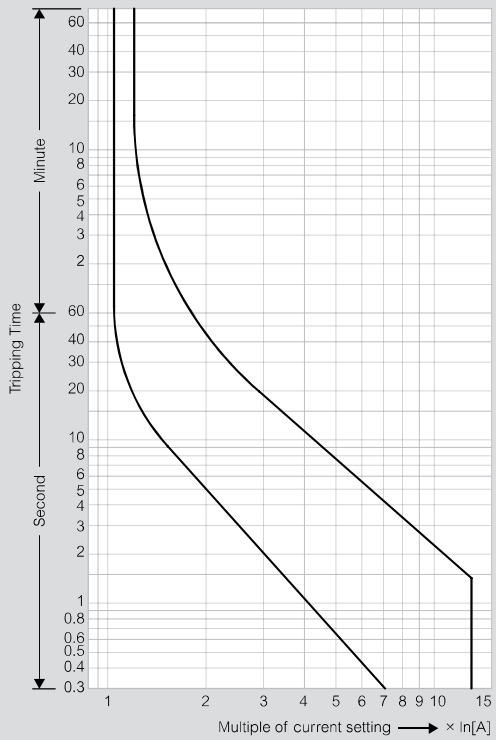


RTX³ 150 - class 10 A

Cold starting



Hot starting

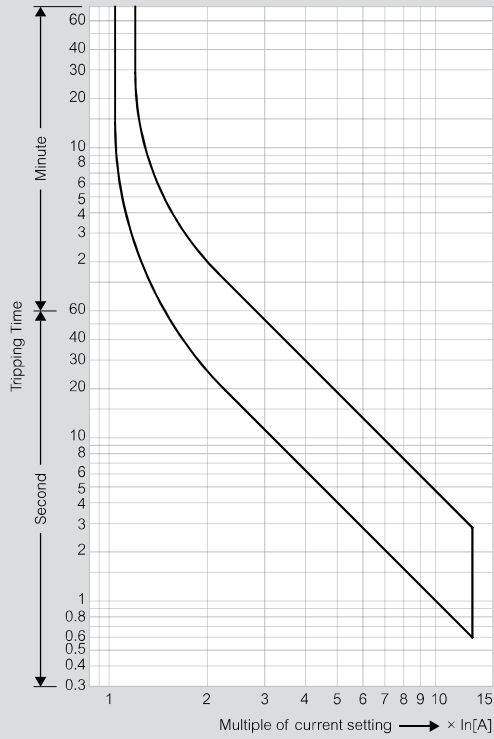


Thermal relays RTX³

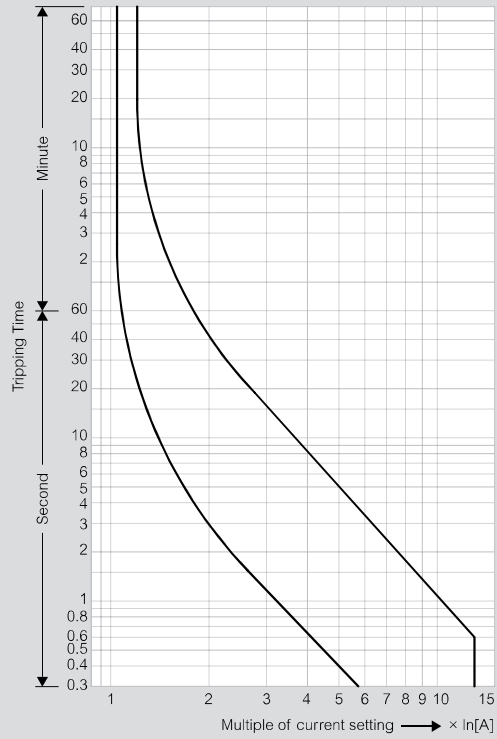
tripping curves (continued)

RTX³ 225 - class 10 A

Cold starting

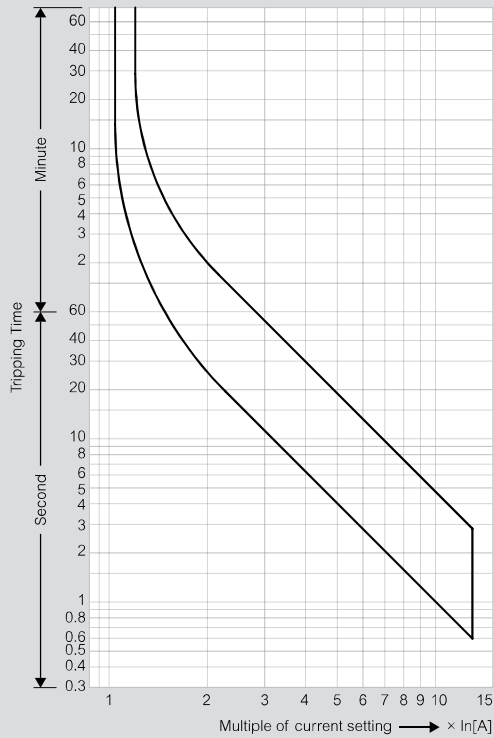


Hot starting

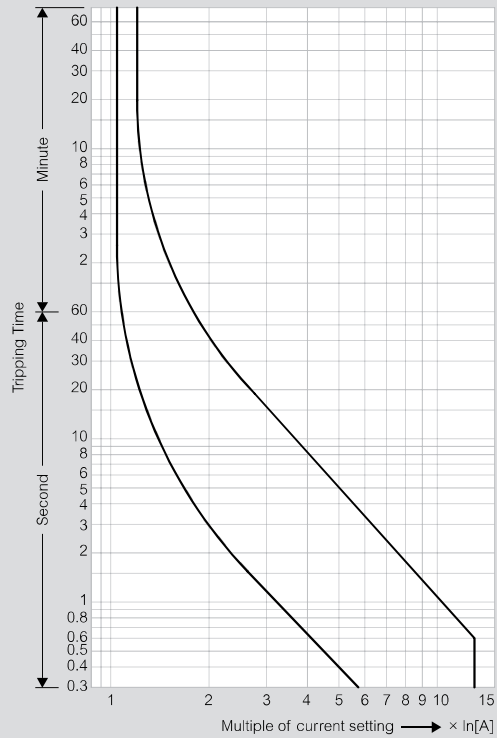


RTX³ 400 - class 10 A

Cold starting



Hot starting

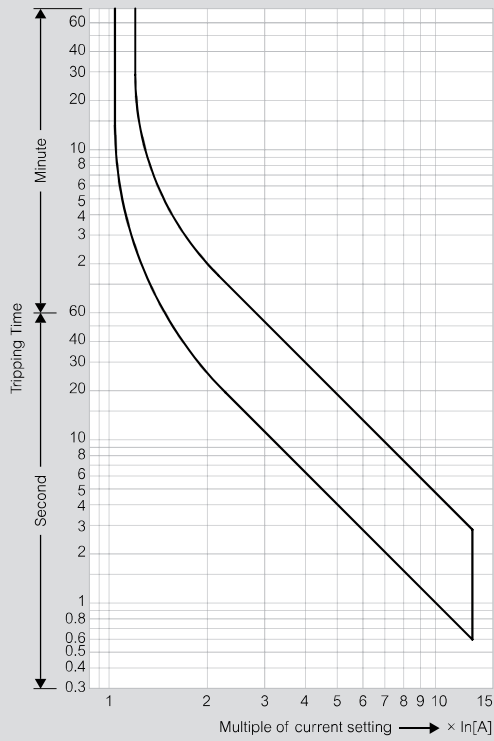


Thermal relays RTX³

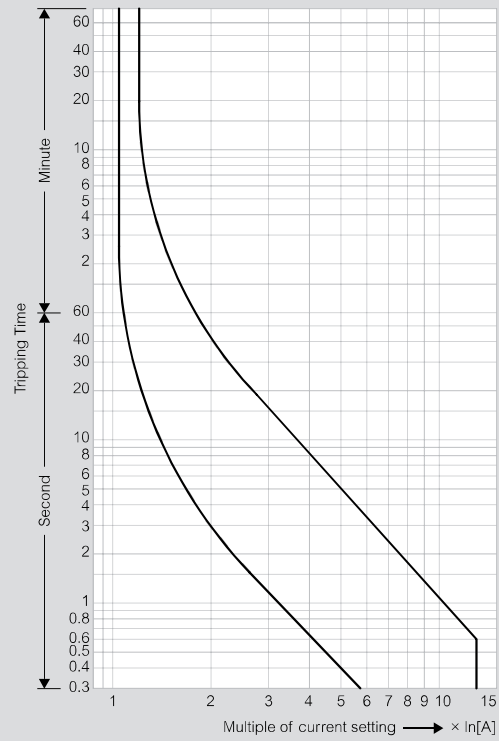
tripping curves (continued)

RTX³ 800 - class 10 A

Cold starting

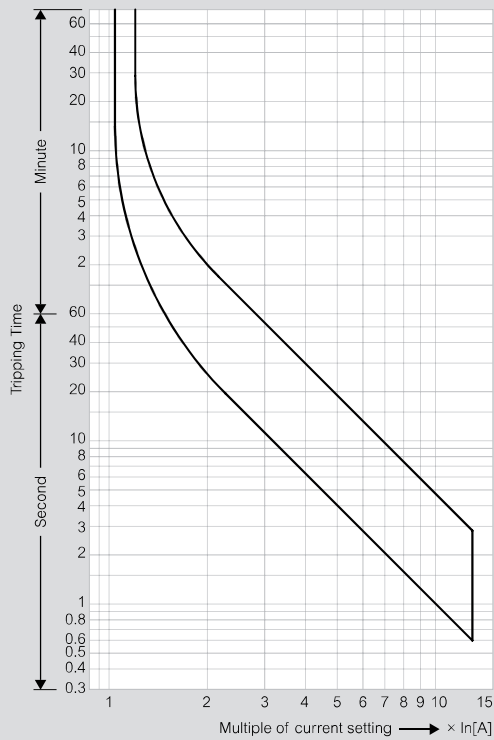


Hot starting

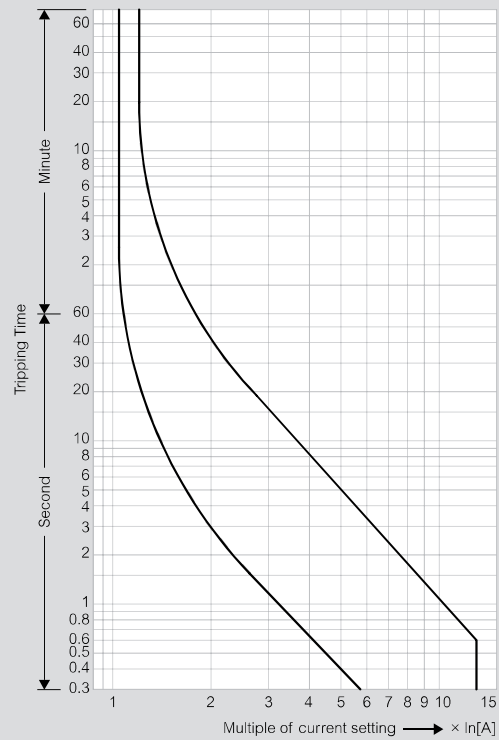


RTX³ mini - class 10 A (thermal relays for CTX³ mini contactors)

Cold starting



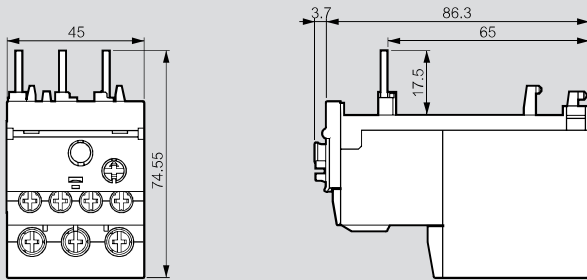
Hot starting



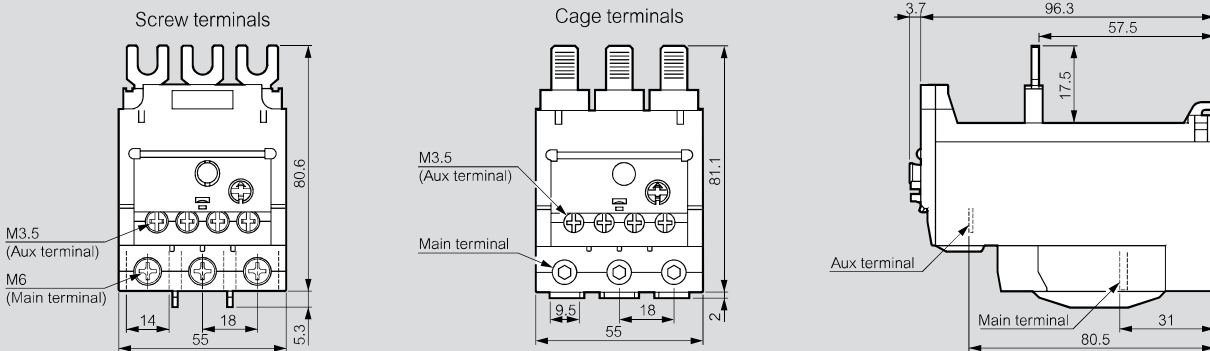
Thermal relays RTX³ - screw type terminals and cage terminals

dimensions

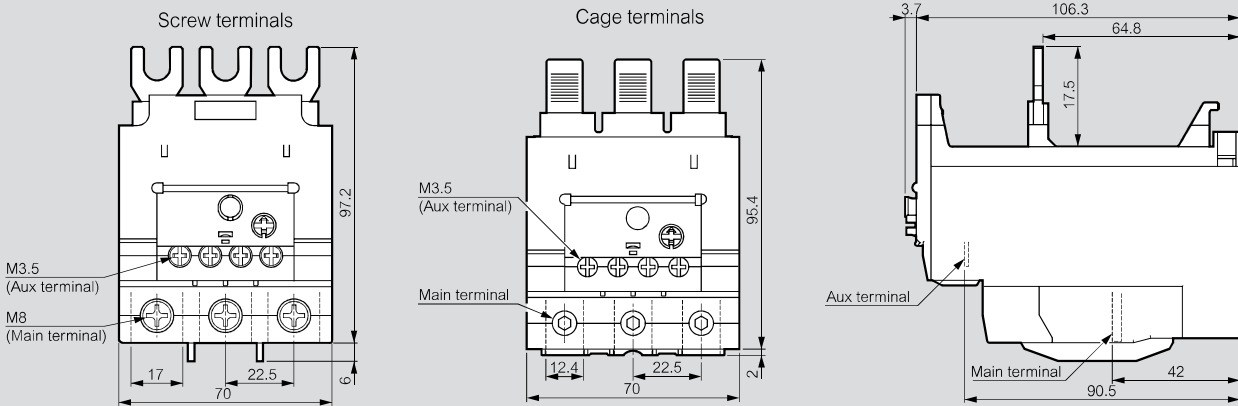
RTX³ 40



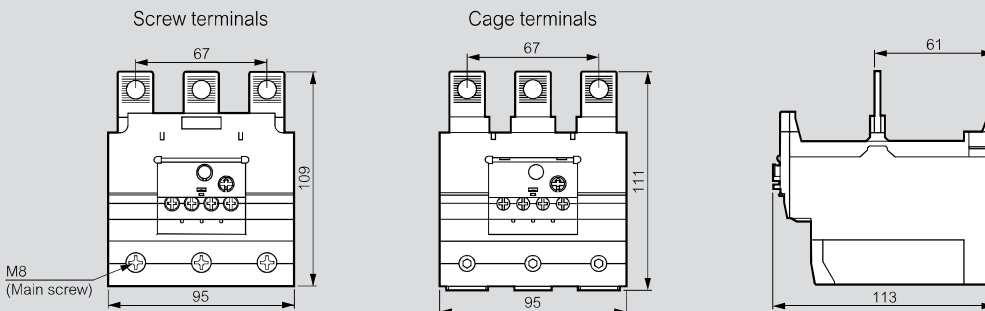
RTX³ 65



RTX³ 100



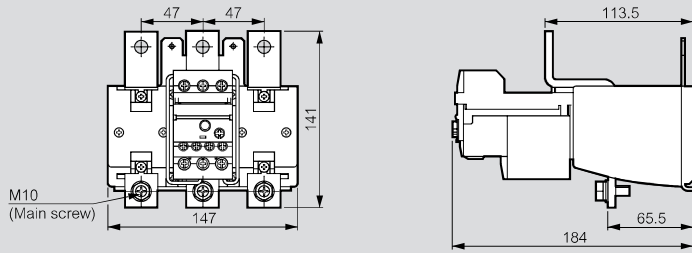
RTX³ 150



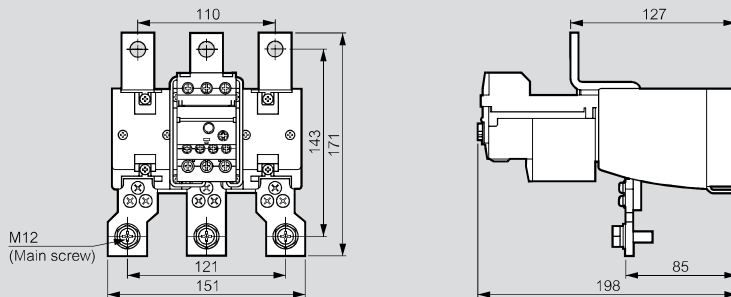
Thermal relays RTX³ - screw type terminals and cage terminals

dimensions (continued)

RTX³ 225



RTX³ 400



RTX³ 800

