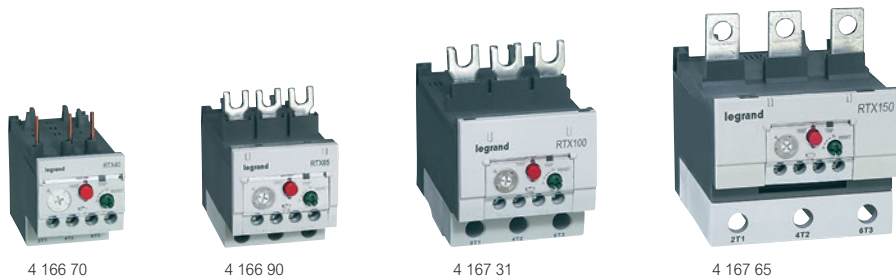


Thermal relays RTX³

for CTX³ 3-pole industrial contactors



Technical characteristics **p. 188**
 Dimensions and coordination with circuit breakers **see e-catalogue**

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 | |
| | | | Adjustment range | |
| | Type | | I min. (A) | I max. (A) |
| | standard diff. | | | |
| 1 | 4 166 40 4 166 60 | | 0.1 | 0.16 |
| 1 | 4 166 41 4 166 61 | | 0.16 | 0.25 |
| 1 | 4 166 42 4 166 62 | | 0.25 | 0.4 |
| 1 | 4 166 43 4 166 63 | | 0.4 | 0.63 |
| 1 | 4 166 44 4 166 64 | | 0.63 | 1 |
| 1 | 4 166 45 4 166 65 | | 1 | 1.6 |
| 1 | 4 166 46 4 166 66 | | 1.6 | 2.5 |
| 1 | 4 166 47 4 166 67 | | 2.5 | 4 |
| 1 | 4 166 48 4 166 68 | | 4 | 6 |
| 1 | 4 166 49 4 166 69 | | 5 | 8 |
| 1 | 4 166 50 4 166 70 | | 6 | 9 |
| 1 | 4 166 51 4 166 71 | | 7 | 10 |
| 1 | 4 166 52 4 166 72 | | 9 | 13 |
| 1 | 4 166 53 4 166 73 | | 12 | 18 |
| 1 | 4 166 54 4 166 74 | | 16 | 22 |
| 1 | 4 166 55 4 166 75 | | 18 | 25 |
| 1 | 4 166 56 4 166 76 | | 22 | 32 |
| 1 | 4 166 57 4 166 77 | | 28 | 40 |
| | | | RTX³ 65 | |
| | | | For CTX ³ 65 Standard type with screw terminals Differential type with cage terminals | |
| 1 | 4 166 83 4 167 03 | | 9 | 13 |
| 1 | 4 166 84 4 167 04 | | 12 | 18 |
| 1 | 4 166 85 4 167 05 | | 16 | 22 |
| 1 | 4 166 86 4 167 06 | | 18 | 25 |
| 1 | 4 166 87 4 167 07 | | 24 | 36 |
| 1 | 4 166 88 4 167 08 | | 28 | 40 |
| 1 | 4 166 89 4 167 09 | | 34 | 50 |
| 1 | 4 166 90 4 167 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 | |
| | | | Adjustment range | |
| | Type | | I min. (A) | I max. (A) |
| | standard diff. | | | |
| 1 | 4 167 23 4 167 43 | | 18 | 25 |
| 1 | 4 167 24 4 167 44 | | 24 | 36 |
| 1 | 4 167 25 4 167 45 | | 28 | 40 |
| 1 | 4 167 26 4 167 46 | | 34 | 50 |
| 1 | 4 167 27 4 167 47 | | 45 | 65 |
| 1 | 4 167 28 4 167 48 | | 54 | 75 |
| 1 | 4 167 29 4 167 49 | | 63 | 85 |
| 1 | 4 167 30 4 167 50 | | 70 | 95 |
| 1 | 4 167 31 4 167 51 | | 80 | 100 |
| | | | RTX³ 150 | |
| | | | For CTX ³ 150 Standard type with screw terminals Differential type with cage terminals | |
| 1 | 4 167 60 4 167 70 | | 45 | 65 |
| 1 | 4 167 61 4 167 71 | | 54 | 75 |
| 1 | 4 167 62 4 167 72 | | 63 | 85 |
| 1 | 4 167 63 4 167 73 | | 80 | 105 |
| 1 | 4 167 64 4 167 74 | | 95 | 130 |
| 1 | 4 167 65 4 167 75 | | 110 | 150 |
| | | | Separate mounting units | |
| | | | To mount the relays separately from contactors, on DIN rail or panel by fixing screws | |
| 1 | 4 165 91 | | For RTX ³ 40 up to 32 A | |
| 1 | 4 165 92 | | For RTX ³ 40 40 A | |
| 1 | 4 165 93 | | For RTX ³ 65 with screw terminals | |
| 1 | 4 165 94 | | For RTX ³ 65 with cage terminals | |
| 1 | 4 165 95 | | For RTX ³ 100 with screw terminals | |
| 1 | 4 165 96 | | For RTX ³ 100 with cage terminals | |
| 1 | 4 165 97 | | For RTX ³ 150 with screw terminals | |
| 1 | 4 165 98 | | For RTX ³ 150 with cage terminals | |

For dimensions and coordination with circuit breakers **see e-catalogue**



3-pole contactors CTX³ and thermal overload relays RTX³

technical characteristics

| | |  |  |  |  |  |  |  |  |  | | | | | | | | | | | | | | | | | | |
|--|-----------------------|---|--|---|---|---|---|---|---|---|-----------------|-------------|------------------|------|-------------|------------------|-------|-------------|------------------|-------------|-------------------|-------------|-------------------|-------------|-------|-------------------|-----|-----|
| Contactor | | CTX ³ mini | CTX ³ 22 | CTX ³ 40 | CTX ³ 65 | CTX ³ 100 | CTX ³ 150 | CTX ³ 225 | CTX ³ 400 | CTX ³ 800 | | | | | | | | | | | | | | | | | | |
| Size | | - | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | | | | | | | | | | | | | | | | |
| Terminals type | | screw | screw | screw | screw or cage | screw or cage | screw or cage | screw | screw | screw | | | | | | | | | | | | | | | | | | |
| Rated operational voltage, U _e | | 690 V | 690 V | 690 V | 690 V | 690 V | 690 V | 690 V | 690 V | 690 V | | | | | | | | | | | | | | | | | | |
| Rated insulation voltage, U _i | | 690 V | 690 V | 1000 V | 1000 V | 1000 V | 1000 V | 1000 V | 1000 V | 1000 V | | | | | | | | | | | | | | | | | | |
| Rated frequency | | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz | | | | | | | | | | | | | | | | | | |
| Rated impulse withstand voltage, U _{imp} | | 6 kV | 6 kV | 8 kV | 8 kV | 8 kV | 8 kV | 8 kV | 8 kV | 8 kV | | | | | | | | | | | | | | | | | | |
| Max. operating rate in operation cycle per hour (AC-3) | | 1800 | 1800 | 1800 | 1800 | 1800 | 1200 | 1200 | 1200 | 1200 | | | | | | | | | | | | | | | | | | |
| Durability in millions of operations | Mechanical | 12 | 15 | 12 | 12 | 12 | 5 | 5 | 5 | 2.5 | | | | | | | | | | | | | | | | | | |
| | Electrical | 1 | 2.5 | 2 | 2 | 2 | 1 | 1 | 1 | 0.5 | | | | | | | | | | | | | | | | | | |
| Type | | 6 A | 9 A | 12 A | 16 A | 9 A | 12 A | 18 A | 22 A | 32 A | 40 A | 50 A | 65 A | 75 A | 85 A | 100 A | 130 A | 150 A | 185 A | 225 A | 265 A | 330 A | 400 A | 500 A | 630 A | 800 A | | |
| Current and power | AC-1 | Thermal current (A) | 20 | 20 | 20 | 20 | 25 | 25 | 40 | 40 | 50 | 60 | 70 | 100 | 110 | 135 | 160 | 160 | 210 | 230 | 275 | 300 | 350 | 450 | 580 | 660 | 900 | |
| | | 200/240 V (kW) | 1.5 | 2.2 | 3 | 4 | 2.5 | 3.5 | 4.5 | 5.5 | 7.5 | 11 | 15 | 18.5 | 22 | 25 | 30 | 37 | 45 | 55 | 75 | 80 | 90 | 125 | 147 | 190 | 220 | |
| | AC-3 | (A) | 7 | 9 | 12 | 15 | 11 | 13 | 18 | 22 | 32 | 40 | 55 | 65 | 75 | 85 | 105 | 130 | 150 | 185 | 225 | 265 | 330 | 400 | 500 | 630 | 800 | |
| | | 380/440 V (kW) | 2.2 | 4 | 5.5 | 7.5 | 4 | 5.5 | 7.5 | 11 | 15 | 18.5 | 22 | 30 | 37 | 45 | 55 | 60 | 75 | 90 | 132 | 147 | 160 | 200 | 265 | 330 | 440 | |
| | 500/550 V (kW) | (A) | 3 | 3.7 | 4 | 5.5 | 4 | 7.5 | 7.5 | 15 | 18.5 | 22 | 30 | 33 | 37 | 45 | 55 | 60 | 70 | 110 | 132 | 147 | 160 | 225 | 265 | 330 | 500 | |
| | | 690 V (kW) | 3 | 4 | 4 | 4 | 4 | 7.5 | 7.5 | 15 | 18.5 | 22 | 30 | 33 | 37 | 45 | 55 | 55 | 55 | 110 | 140 | 160 | 200 | 250 | 300 | 400 | 500 | |
| | 1000 V (kW) | (A) | 4 | 5 | 5 | 5 | 5 | 9 | 9 | 18 | 20 | 23 | 28 | 35 | 42 | 45 | 65 | 60 | 60 | 120 | 150 | 185 | 225 | 300 | 380 | 420 | 630 | |
| | | (A) | - | - | - | - | - | - | - | - | 22 | 22 | 30 | 30 | 37 | 27 | 37 | 75 | 75 | 132 | 132 | 147 | 147 | 147 | 220 | 220 | 220 | |
| | UL rating 50/60 Hz | Continuous current (A) | | 20 | 20 | 20 | 20 | 25 | 25 | 40 | 40 | 50 | 60 | 70 | 100 | 110 | 135 | 160 | 160 | 210 | 230 | 275 | 300 | 350 | 450 | 580 | 660 | 900 |
| | | Single phase | 110/220 V (HP) | 1/2 | 1/2 | 1 | - | 0.5 | 0.75 | 1 | 2 | 2 | 3 | 3 | 5 | 5 | 7.5 | 10 | 10 | 15 | 15 | 15 | 15 | - | - | - | - | - |
| 220/240 V (HP) | | | 1 | 1.5 | 2 | - | 1.5 | 2 | 3 | 3 | 5 | 7.5 | 10 | 15 | 15 | 15 | 20 | 20 | 25 | 30 | 40 | 40 | - | - | - | - | - | |
| Three phase | | 200/208 V (HP) | - | - | - | - | 2 | 3 | 5 | 7.5 | 7.5 | 15 | 20 | 25 | 25 | 30 | 30 | 40 | 40 | 60 | 60 | 75 | 100 | 125 | 150 | 200 | 200 | |
| | | 220/240 V (HP) | 1.5 | 3 | 3 | - | 3 | 5 | 7.5 | 10 | 10 | 15 | 25 | 30 | 30 | 40 | 40 | 40 | 50 | 60 | 75 | 100 | 125 | 150 | 200 | 250 | 300 | |
| | | 440/480 V (HP) | 3 | 5 | 7.5 | - | 5 | 7.5 | 10 | 15 | 20 | 30 | 40 | 50 | 50 | 60 | 75 | 75 | 100 | 125 | 150 | 200 | 250 | 300 | 400 | 500 | 600 | |
| | | 550/600 V (HP) | 3 | 5 | 7.5 | - | 7.5 | 10 | 15 | 20 | 25 | 30 | 50 | 60 | 60 | 75 | 75 | 75 | 75 | 125 | 150 | 200 | 250 | 300 | 400 | 500 | 600 | |
| NEMA size | | 00 | 00 | 00 | 0 | 00 | 00 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 7 | |
| Weight and size | AC control | Weight (kg) | 0.17 | | | | 0.34 | | | | 0.4 | | 0.9 | | | 1.6 | | | 2.4 | | 5.4 | | 9.2 | | | 22.4 | | |
| | | Size (W x H x D) (mm) | 45 x 58 x 57 | | | | 45 x 73.5 x 87.4 | | | | 45 x 83 x 90 | | 55 x 106 x 119 | | | 70 x 140 x 135.8 | | | 95 x 158 x 130.3 | | 138 x 203 x 185.1 | | 163 x 243 x 204.4 | | | 285 x 312 x 245.3 | | |
| | DC control | Weight (kg) | 0.23 | | | | 0.41 | | | | 0.6 | | 1.2 | | | 2.6 | | | 2.4 | | 5.4 | | 9.2 | | | 22.4 | | |
| | | Size (W x H x D) (mm) | 45 x 58 x 69 | | | | 45 x 73.5 x 103.6 | | | | 45 x 83 x 117.1 | | 55 x 106 x 146.4 | | | 70 x 140 x 172.3 | | | 95 x 158 x 130.3 | | 138 x 203 x 185.1 | | 163 x 243 x 204.4 | | | 285 x 312 x 245.3 | | |
| Integrated auxiliary contacts | | 1 NO or 1 NC | | | | 1 NO + 1 NC | | | | 2 NO + 2 NC | | 2 NO + 2 NC | | | 2 NO + 2 NC | | | 2 NO + 2 NC | | 2 NO + 2 NC | | 2 NO + 2 NC | | 2 NO + 2 NC | | | | |
| Add on auxiliary block | Side mounting | Yes | | | | Yes | | | | Yes | | Yes | | | Yes | | | Yes | | Yes | | Yes | | Yes | | | | |
| | Front mounting | Yes | | | | Yes | | | | Yes | | Yes | | | Yes | | | Yes | | No | | No | | No | | | | |
| Thermal overload relay | | RTX ³ mini | RTX ³ 40 | RTX ³ 40 | RTX ³ 65 | RTX ³ 100 | RTX ³ 150 | RTX ³ 225 | RTX ³ 400 | RTX ³ 800 | | | | | | | | | | | | | | | | | | |
| | |  |  |  |  |  |  |  |  |  | | | | | | | | | | | | | | | | | | |
| Standard RTX ³ | | - | screw | screw | screw | screw | screw | - | - | - | | | | | | | | | | | | | | | | | | |
| Differential RTX ³ | | screw | screw | screw | cage | cage | screw | screw | screw | screw | | | | | | | | | | | | | | | | | | |
| Rated operational voltage, U _e | | 690 V | 690 V | 690 V | 690 V | 690 V | 690 V | 690 V | 690 V | 690 V | | | | | | | | | | | | | | | | | | |
| Rated insulation voltage, U _i | | 690 V | 690 V | 690 V | 690 V | 690 V | 690 V | 690 V | 690 V | 690 V | | | | | | | | | | | | | | | | | | |
| Rated impulse withstand voltage, U _{imp} | | 6 kV | 6 kV | 6 kV | 6 kV | 6 kV | 6 kV | 6 kV | 6 kV | 6 kV | | | | | | | | | | | | | | | | | | |
| Trip class | | 10 A | 10 A | 10 A | 10 A | 10 A | 10 A | 10 A | 10 A | 10 A | | | | | | | | | | | | | | | | | | |
| Setting | | 0.1 to 16 A | 0.1 to 40 A | 0.1 to 40 A | 9 to 65 A | 18 to 100 A | 45 to 150 A | 65 to 240 A | 85 to 400 A | 200 to 800 A | | | | | | | | | | | | | | | | | | |
| Weight and size | Weight (kg) | 0.1 | 0.17 | 0.17 | 0.31/0.33 | 0.48/0.5 | 0.67 | 2.5 | 2.6 | 11.5 | | | | | | | | | | | | | | | | | | |
| | Size (W x H x D) (mm) | 45 x 73 x 63 | 45 x 75 x 90 | 45 x 75 x 90 | 55 x 81 x 100 | 70 x 97 x 110 | 95 x 109 x 113 | 147 x 141 x 184 | 151 x 171 x 198 | 360 x 530 x 212 | | | | | | | | | | | | | | | | | | |

Thermal Overload Relays - RTX³ and Mounting units

Cat. N°(s) : 4 166 40..57/60..77/83..90/4 167 03..10/23..31/
4 167 43..51/60..65/70..75/80..84/86..95

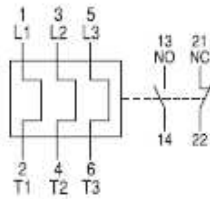


| CONTENTS | PAGES |
|--------------------------------------|-------|
| 1. Description - Use | 1 |
| 2. Range | 1 |
| 3. Overall dimensions | 1 |
| 4. Installation - Connection | 2 |
| 5. General characteristics | 3 |
| 6. Conformities and approvals | 10 |
| 7. Curves | 11 |
| 8. Auxiliaries and accessories | 18 |

1. DESCRIPTION - USE

They ensure the thermal protection of circuits, against overload and long starting times.

Symbol:



2. RANGE

Number of Poles:

. Triple pole (3P).

Setting range:

| | |
|----------------------|----------------|
| RTX ³ 40 | 0.1 to 40 [A] |
| RTX ³ 65 | 9 to 65 [A] |
| RTX ³ 100 | 18 to 100 [A] |
| RTX ³ 150 | 45 to 150 [A] |
| RTX ³ 225 | 65 to 240 [A] |
| RTX ³ 400 | 85 to 400 [A] |
| RTX ³ 800 | 200 to 800 [A] |

Rated operational voltage:

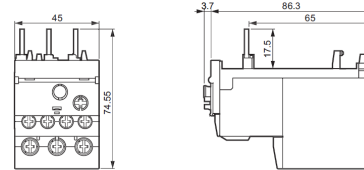
. U_e = 690 [V] for all products.

Rated frequency:

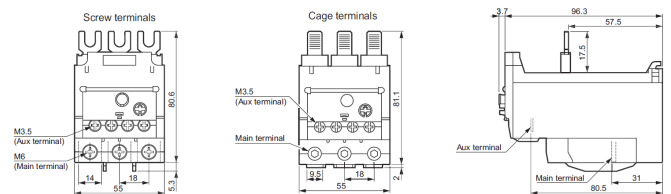
. 50 / 60 [Hz].

3. OVERALL DIMENSIONS

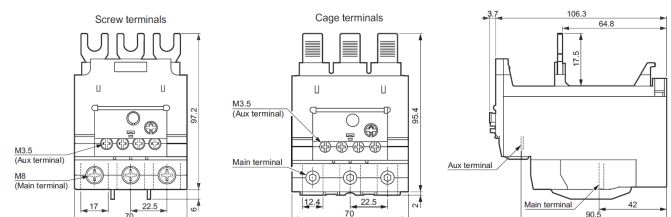
RTX³ 40:



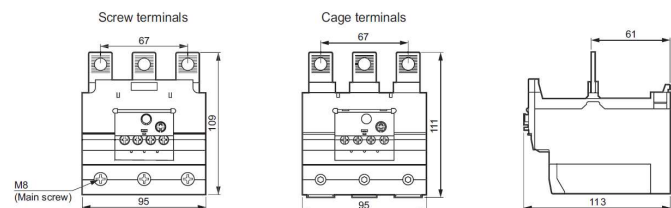
RTX³ 65:



RTX³ 100:



RTX³ 150:

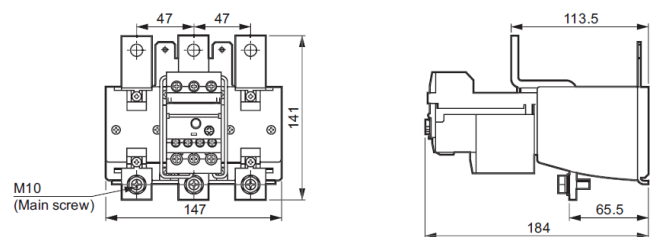


Thermal Overload Relays - RTX³ and Mounting units

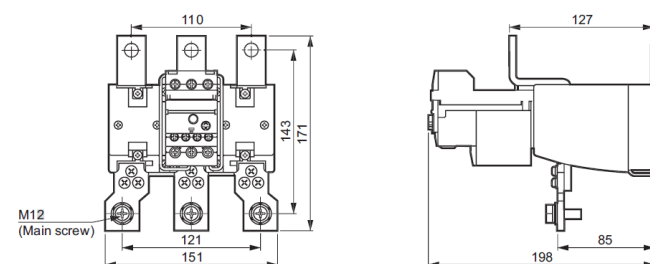
Cat. N°(s) : 4 166 40..57/60..77/83..90/4 167 03..10/23..31/
4 167 43..51/60..65/70..75/80..84/86..95

3. OVERALL DIMENSIONS (continued)

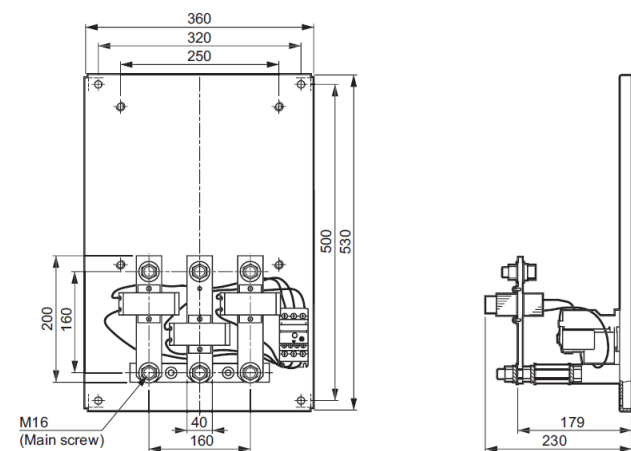
RTX³ 225:



RTX³ 400:



RTX³ 800:



4. INSTALLATION - CONNECTION

Mounting position:

- . Vertical plane.
- . Direct connection beneath CTX³ contactors.

Operating position:

- . ± 30 [°] possible, in relation to normal vertical mounting plane.

Supply:

- . Either from the top or the bottom.

4. INSTALLATION - CONNECTION (continued)

Connection : (until RTX³ 150)

- . Terminals protected against direct contact (IP20).
- . Terminals with release and captive screws.
- . Screw head : slotted and pozidriv n°2.

Tools required:

- . Pozidriv N°2 screwdriver recommended.
- . Pozidriv N°3 screwdriver for RTX³ 65 / 100 and 150.
- . Flat screwdriver $\varnothing 5$ to $\varnothing 6$ [mm] Maximum.
- . Hexagonal key (for RTX³ 65 with cage terminals).
- . Hexagonal key (for RTX³ 100 / 150 with cage terminals).
- . Flat spanner for M10 bolt (for RTX³ 225).
- . Flat spanner for M12 bolt (for RTX³ 400).
- . Flat spanner for M16 bolt (for RTX³ 800).

Thermal Overload Relays - RTX³ and Mounting units

Cat. N°(s) : 4 166 40..57/60..77/83..90/4 167 03..10/23..31/4 167 43..51/60..65/70..75/80..84/86..95

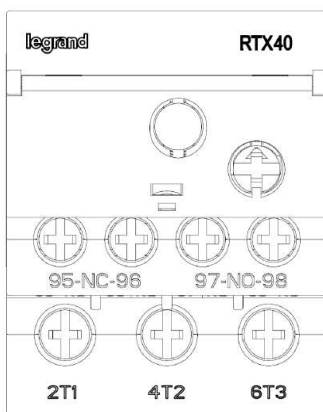
5. GENERAL CHARACTERISTICS

Front side:

. By dark grey laser or pad printing:

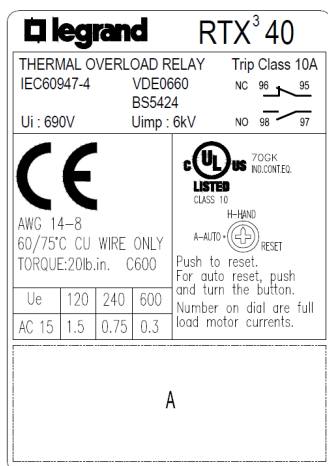
- Brand: Legrand
- Range: RTX + frame
- Rated current (in A)
- Marking power terminals

RTX³ 40: (Example of marking)



Left side:

. By identification label.



. Example area "A":

- Catalog number
- Rating
- Approval marks
- Made in
- Production date

5. GENERAL CHARACTERISTICS (continued)

Rated impulse voltage and rated insulation voltage:

| Type of products | Rated impulse voltage (Uimp) | Rated insulation voltage (Ui) |
|----------------------|------------------------------|-------------------------------|
| RTX ³ 40 | 6 [kV] | Up to 690 [V] |
| RTX ³ 65 | 6 [kV] | Up to 690 [V] |
| RTX ³ 100 | 6 [kV] | Up to 690 [V] |
| RTX ³ 150 | 6 [kV] | 690 [V] |
| RTX ³ 225 | 6 [kV] | 690 [V] |
| RTX ³ 400 | 6 [kV] | 690 [V] |
| RTX ³ 800 | 6 [kV] | 690 [V] |

Ambient operating temperature:

. Min. = -5°C. Max. = +40°C.

Ambient storage temperature:

. Min. = -55°C. Max. = +80°C.

Temperature compensation:

. Min. = -5°C. Max. = +40°C.

Weight:

| | |
|----------------------|-----------------|
| RTX ³ 40 | 0.17 [kg] |
| RTX ³ 65 | 0.31/ 0.33 [kg] |
| RTX ³ 100 | 0.48 / 0.5 [kg] |
| RTX ³ 150 | 0.67 [kg] |
| RTX ³ 225 | 2.5 [kg] |
| RTX ³ 400 | 2.6 [kg] |
| RTX ³ 800 | 11.5 [kg] |

Degree of protection: (In accordance with IEC 60 529 standard)

. IP20.

Flame resistance:

- . Conforming to UL = V0.
- . Conforming to IEC 695-2-1 = 960 [°C].

Shock resistance: (Conforming to IEC 68-2-7)

. 15 [gn] - 11 [ms].

Vibration resistance: (Conforming to IEC 68-2-6)

. 6 [g].

Trip class:

. Class 10A.

Functions:

- . Trip indicating.
- . Stop.
- . Test.
- . Manual / Automatic reset.

Thermal Overload Relays - RTX³ and Mounting units

Cat. N°(s) : 4 166 40..57/60..77/83..90/4 167 03..10/23..31/
4 167 43..51/60..65/70..75/80..84/86..95

5. GENERAL CHARACTERISTICS *(continued)*

Coordination:

- . Trip class 10A.
- . Terminal type: screw.

| Setting range - [A] | Thermal Overload Relay - RTX ³ | Contactors - CTX ³ | Separate Mounting unit |
|---------------------|---|--|------------------------|
| 0.1 to 0.16 | RTX ³ 40 | CTX ³ 22 CTX ³ 40 | 4 165 91 |
| 0.16 to 0.25 | | | |
| 0.25 to 0.4 | | | |
| 0.4 to 0.63 | | | |
| 0.63 to 1 | | | |
| 1 to 1.6 | | | |
| 1.6 to 2.5 | | | |
| 2.5 to 4 | | | |
| 4 to 6 | | | |
| 5 to 8 | | | |
| 6 to 9 | | | |
| 7 to 10 | | | |
| 9 to 13 | | | |
| 12 to 18 | | | |
| 16 to 22 | | | |
| 28 to 25 | | | |
| 22 to 32 | | | |
| 28 to 40 | | | |
| | | | 4 165 92 |

- . Terminal type: screw and cage.

| Setting range - [A] | Thermal Overload Relay - RTX ³ | Contactors - CTX ³ | Separate Mounting unit |
|---------------------|---|-------------------------------|-------------------------------------|
| 9 to 13 | RTX ³ 65 | CTX ³ 65 | 4 165 93 (Screw) 4 165 94 (Cage) |
| 12 to 18 | | | |
| 16 to 22 | | | |
| 18 to 25 | | | |
| 24 to 36 | | | |
| 28 to 40 | | | |
| 34 to 50 | | | |
| 45 to 65 | | | |

Thermal Overload Relays - RTX³ and Mounting units

Cat. N°(s) : 4 166 40..57/60..77/83..90/4 167 03..10/23..31/
4 167 43..51/60..65/70..75/80..84/86..95

5. GENERAL CHARACTERISTICS *(continued)*

Coordination: *(continued)*

- . Trip class 10A.
- . Terminal type: screw and cage.

| Setting range - [A] | Thermal Overload Relay - RTX ³ | Contactor - CTX ³ | Separate Mounting unit |
|---------------------|---|------------------------------|-------------------------------------|
| 18 to 25 | RTX ³ 100 | CTX ³ 100 | 4 165 95 (Screw) 4 165 96 (Cage) |
| 24 to 36 | | | |
| 28 to 40 | | | |
| 34 to 50 | | | |
| 45 to 65 | | | |
| 54 to 75 | | | |
| 63 to 85 | | | |
| 70 to 95 | | | |
| 80 to 100 | | | |

| Setting range - [A] | Thermal Overload Relay - RTX ³ | Contactor - CTX ³ | Separate Mounting unit |
|---------------------|---|------------------------------|-------------------------------------|
| 45 to 65 | RTX ³ 150 | CTX ³ 150 | 4 165 97 (Screw) 4 165 98 (Cage) |
| 54 to 75 | | | |
| 63 to 85 | | | |
| 80 to 105 | | | |
| 95 to 130 | | | |
| 110 to 150 | | | |

- . Terminal type: screw and cage.

| Setting range - [A] | Thermal Overload Relay - RTX ³ | Contactor - CTX ³ | Separate Mounting unit |
|---------------------|---|------------------------------|------------------------|
| 65 to 100 | RTX ³ 225 | CTX ³ 225 | - |
| 85 to 125 | | | |
| 100 to 160 | | | |
| 120 to 185 | | | |
| 160 to 240 | | | |

Thermal Overload Relays - RTX³ and Mounting units

Cat. N°(s) : 4 166 40..57/60..77/83..90/4 167 03..10/23..31/
4 167 43..51/60..65/70..75/80..84/86..95

5. GENERAL CHARACTERISTICS *(continued)*

Coordination: *(continued)*

- . Trip class 10A.
- . Terminal type: screw.

| Setting range - [A] | Thermal Overload Relay - RTX ³ | Contactactor - CTX ³ | Separate Mounting unit |
|---------------------|---|---------------------------------|------------------------|
| 85 to 125 | RTX ³ 400 | CTX ³ 400 | - |
| 100 to 160 | | | |
| 120 to 185 | | | |
| 160 to 240 | | | |
| 200 to 330 | | | |
| 260 to 400 | | | |

| Setting range - [A] | Thermal Overload Relay - RTX ³ | Contactactor - CTX ³ | Separate Mounting unit |
|---------------------|---|---------------------------------|------------------------|
| 200 to 330 | RTX ³ 800 | CTX ³ 800 | - |
| 260 to 400 | | | |
| 400 to 630 | | | |
| 520 to 800 | | | |

Thermal Overload Relays - RTX³ and Mounting units

Cat. N°(s) : 4 166 40..57/60..77/83..90/4 167 03..10/23..31/
4 167 43..51/60..65/70..75/80..84/86..95

5. GENERAL CHARACTERISTICS *(continued)*

Coordination: Type 2

| Motor | | Circuit-breaker | | | | Contactor | Thermal relay | | | Test | |
|------------------|-------------------|---------------------|-------------------|------------------------|-----------|-------------------------|---------------------|-------------------|----------------------|--|-------------|
| Rated power (kW) | Rated current (A) | Type | Rated current (A) | Magnetic threshold (A) | Reference | Type | Type | Setting range (A) | Reference | Rated conditionnal short-circuit current I _q (kA) | Voltage (V) |
| 0,37 | 1,10 | DX ³ -MA | 1,6 | 20 | 4 098 76 | CTX ³ 22 9A | RTX ³ 40 | 1- 1,6 | 4 166 45/65 | 15 | 400 |
| 0,55 | 1,5 | DX ³ -MA | 1,6 | 20 | 4 098 76 | CTX ³ 22 9A | RTX ³ 40 | 1- 1,6 | 4 166 45/65 | 15 | 400 |
| 0,75 | 1,9 | DX ³ -MA | 2,5 | 32 | 4 098 77 | CTX ³ 22 9A | RTX ³ 40 | 1,6 - 2,5 | 4 166 46/66 | 15 | 400 |
| 1,1 | 2,7 | DX ³ -MA | 4 | 50 | 4 098 78 | CTX ³ 22 9A | RTX ³ 40 | 2,5 - 4 | 4 166 47/67 | 15 | 400 |
| 1,5 | 3,5 | DX ³ -MA | 4 | 50 | 4 098 78 | CTX ³ 22 9A | RTX ³ 40 | 2,5 - 4 | 4 166 47/67 | 15 | 400 |
| 2,2 | 5 | DX ³ -MA | 6,3 | 80 | 4 098 79 | CTX ³ 22 9A | RTX ³ 40 | 4 - 6 | 4 166 48/68 | 15 | 400 |
| 2,5 | 5,7 | DX ³ -MA | 6,3 | 80 | 4 098 79 | CTX ³ 22 9A | RTX ³ 40 | 4 - 6 | 4 166 48/68 | 15 | 400 |
| 3 | 6,7 | DX ³ -MA | 10 | 125 | 4 098 80 | CTX ³ 22 12A | RTX ³ 40 | 5 - 8 | 4 166 49/69 | 15 | 400 |
| 3,7 | 8 | DX ³ -MA | 10 | 125 | 4 098 80 | CTX ³ 22 12A | RTX ³ 40 | 6 - 9 | 4 166 50/70 | 15 | 400 |
| 4 | 8,5 | DX ³ -MA | 10 | 125 | 4 098 80 | CTX ³ 22 12A | RTX ³ 40 | 7 - 10 | 4 166 51/71 | 15 | 400 |
| 5,5 | 11 | DX ³ -MA | 12,5 | 160 | 4 098 81 | CTX ³ 22 22A | RTX ³ 40 | 9 - 13 | 4 166 52/72 | 15 | 400 |
| 6,3 | 13 | DX ³ -MA | 16 | 200 | 4 098 82 | CTX ³ 22 22A | RTX ³ 40 | 12 - 18 | 4 166 53/73 | 15 | 400 |
| 7,5 | 15 | DX ³ -MA | 16 | 200 | 4 098 82 | CTX ³ 22 22A | RTX ³ 40 | 12 - 18 | 4 166 53/73 | 15 | 400 |
| 10 | 20 | DX ³ -MA | 25 | 320 | 4 098 83 | CTX ³ 22 22A | RTX ³ 40 | 16 - 22 | 4 166 54/74 | 15 | 400 |
| 11 | 22 | DX ³ -MA | 25 | 320 | 4 098 83 | CTX ³ 22 22A | RTX ³ 40 | 18 - 25 | 4 166 55/75 | 15 | 400 |
| 12,5 | 25 | DX ³ -MA | 25 | 320 | 4 098 83 | CTX ³ 40 32A | RTX ³ 40 | 22 - 32 | 4 166 56/76 | 15 | 400 |
| 15 | 29 | DX ³ -MA | 40 | 500 | 4 098 84 | CTX ³ 40 32A | RTX ³ 40 | 22 - 32 | 4 166 56/76 | 10 | 400 |
| 16 | 31 | DX ³ -MA | 40 | 500 | 4 098 84 | CTX ³ 40 32A | RTX ³ 40 | 22 - 32 | 4 166 56/76 | 10 | 400 |
| 18,5 | 35 | DX ³ -MA | 40 | 500 | 4 098 84 | CTX ³ 40 40A | RTX ³ 40 | 28 - 40 | 4 166 57/77 | 10 | 400 |
| 20 | 38 | DX ³ -MA | 40 | 500 | 4 098 84 | CTX ³ 40 40A | RTX ³ 40 | 28 - 40 | 4 166 57/77 | 10 | 400 |
| 22 | 41 | DX ³ -MA | 63 | 880 | 4 098 85 | CTX ³ 65 50A | RTX ³ 65 | 34 - 50 | 4 166 89 4 167 09 | 10 | 400 |
| 25 | 47 | DX ³ -MA | 63 | 880 | 4 098 85 | CTX ³ 65 50A | RTX ³ 65 | 34 - 50 | 4 166 89 4 167 09 | 10 | 400 |
| 30 | 57 | DX ³ -MA | 63 | 880 | 4 098 85 | CTX ³ 65 65A | RTX ³ 65 | 45 - 65 | 4 166 90 4 167 10 | 10 | 400 |
| 31,5 | 59 | DX ³ -MA | 63 | 880 | 4 098 85 | CTX ³ 65 65A | RTX ³ 65 | 45 - 65 | 4 166 90 4 167 10 | 10 | 400 |

Thermal Overload Relays - RTX³ and Mounting units

Cat. N°(s) : 4 166 40..57/60..77/83..90/4 167 03..10/23..31/
4 167 43..51/60..65/70..75/80..84/86..95

5. GENERAL CHARACTERISTICS *(continued)*

Coordination: Type 2 *(continued)*

| Motor | | Circuit-breaker | | | | Contactor | Thermal relay | | | Test | |
|------------------|-------------------|----------------------|-------------------|------------------------|-----------|---------------------------|----------------------|-------------------|-------------|---|-------------|
| Rated power (kW) | Rated current (A) | Type | Rated current (A) | Magnetic threshold (A) | Reference | Type | Type | Setting range (A) | Reference | Conditional short-circuit current I _q (kA) | Voltage (V) |
| 15 | 29 | DPX ³ 160 | 40 | 400 | 4 200 82 | CTX ³ 100 85A | RTX ³ 100 | 24 – 36 | 4 167 24/44 | 36 | 400 |
| 16 | 31 | DPX ³ 160 | 40 | 400 | 4 200 82 | CTX ³ 100 85A | RTX ³ 100 | 24 – 36 | 4 167 24/44 | 36 | 400 |
| 18,5 | 35 | DPX ³ 160 | 40 | 400 | 4 200 82 | CTX ³ 100 85A | RTX ³ 100 | 28 – 40 | 4 167 25/45 | 36 | 400 |
| 20 | 38 | DPX ³ 160 | 40 | 400 | 4 200 82 | CTX ³ 100 85A | RTX ³ 100 | 34 – 50 | 4 167 26/46 | 36 | 400 |
| 22 | 41 | DPX ³ 160 | 63 | 630 | 4 200 83 | CTX ³ 100 100A | RTX ³ 100 | 34 – 50 | 4 167 26/46 | 36 | 400 |
| 25 | 47 | DPX ³ 160 | 63 | 630 | 4 200 83 | CTX ³ 100 100A | RTX ³ 100 | 45 – 65 | 4 167 27/47 | 36 | 400 |
| 30 | 57 | DPX ³ 160 | 63 | 630 | 4 200 83 | CTX ³ 100 100A | RTX ³ 100 | 45 – 65 | 4 167 27/47 | 36 | 400 |
| 31,5 | 59 | DPX ³ 160 | 63 | 630 | 4 200 83 | CTX ³ 100 100A | RTX ³ 100 | 54 – 75 | 4 167 28/48 | 36 | 400 |
| 37 | 68 | DPX ³ 160 | 100 | 1000 | 4 200 85 | CTX ³ 150 130A | RTX ³ 150 | 54 – 75 | 4 167 61/71 | 36 | 400 |
| 40 | 74 | DPX ³ 160 | 100 | 1000 | 4 200 85 | CTX ³ 150 130A | RTX ³ 150 | 63 – 85 | 4 167 62/72 | 36 | 400 |
| 45 | 82 | DPX ³ 160 | 100 | 1000 | 4 200 85 | CTX ³ 150 130A | RTX ³ 150 | 63 – 85 | 4 167 62/72 | 36 | 400 |
| 50 | 92 | DPX ³ 160 | 100 | 1000 | 4 200 85 | CTX ³ 150 130A | RTX ³ 150 | 80 - 105 | 4 167 63/73 | 36 | 400 |
| 55 | 102 | DPX ³ 160 | 125 | 1250 | 4 200 86 | CTX ³ 150 150A | RTX ³ 150 | 95 - 130 | 4 167 64/74 | 36 | 400 |
| 63 | 115 | DPX ³ 160 | 125 | 1250 | 4 200 86 | CTX ³ 150 150A | RTX ³ 150 | 95 - 130 | 4 167 64/74 | 36 | 400 |

Thermal Overload Relays - RTX³ and Mounting units

Cat. N°(s) : 4 166 40..57/60..77/83..90/4 167 03..10/23..31/
4 167 43..51/60..65/70..75/80..84/86..95

5. GENERAL CHARACTERISTICS (continued)

Coordination: Type 2 (continued)

| Motor | | Circuit-breaker | | | | Contactor | Thermal relay | | | Test | |
|------------------|-------------------|----------------------|-------------------|------------------------|-----------|---------------------------|----------------------|-------------------|----------------------|---|-------------|
| Rated power (kW) | Rated current (A) | Type | Rated current (A) | Magnetic threshold (A) | Référence | Type | Type | Setting range (A) | Reference | Conditional short-circuit current I _q (kA) | Voltage (V) |
| 15 | 29 | DPX ³ 160 | 40 | 140 - 400 | 4 201 22 | CTX ³ 65 50A | RTX ³ 65 | 24 - 36 | 4 166 87 4 167 07 | 50 | 400 |
| 16 | 31 | DPX ³ 160 | 40 | 140 - 400 | 4 201 22 | CTX ³ 65 50A | RTX ³ 65 | 24 - 36 | 4 166 87 4 167 07 | 50 | 400 |
| 18,5 | 35 | DPX ³ 160 | 40 | 140 - 400 | 4 201 22 | CTX ³ 65 50A | RTX ³ 65 | 28 - 40 | 4 166 88 4 167 08 | 50 | 400 |
| 20 | 38 | DPX ³ 160 | 40 | 140 - 400 | 4 201 22 | CTX ³ 65 50A | RTX ³ 65 | 34 - 50 | 4 166 89 4 167 09 | 50 | 400 |
| 22 | 41 | DPX ³ 160 | 63 | 220 - 630 | 4 201 23 | CTX ³ 65 65A | RTX ³ 65 | 34 - 50 | 4 166 89 4 167 09 | 50 | 400 |
| 25 | 47 | DPX ³ 160 | 63 | 220 - 630 | 4 201 23 | CTX ³ 100 85A | RTX ³ 100 | 34 - 50 | 4 167 26/46 | 50 | 400 |
| 30 | 57 | DPX ³ 160 | 63 | 220 - 630 | 4 201 23 | CTX ³ 100 100A | RTX ³ 100 | 45 - 65 | 4 167 27/47 | 50 | 400 |
| 31,5 | 59 | DPX ³ 160 | 63 | 220 - 630 | 4 201 23 | CTX ³ 100 100A | RTX ³ 100 | 54 - 75 | 4 167 28/48 | 50 | 400 |
| 37 | 68 | DPX ³ 250 | 100 | 350 - 1000 | 4 206 05 | CTX ³ 100 100A | RTX ³ 100 | 63 - 85 | 4 167 29/49 | 50 | 400 |
| 40 | 74 | DPX ³ 250 | 100 | 350 - 1000 | 4 206 05 | CTX ³ 150 130A | RTX ³ 150 | 63 - 85 | 4 167 62/72 | 50 | 400 |
| 45 | 82 | DPX ³ 250 | 100 | 350 - 1000 | 4 206 05 | CTX ³ 150 130A | RTX ³ 150 | 63 - 85 | 4 167 62/72 | 50 | 400 |
| 50 | 92 | DPX ³ 250 | 100 | 350 - 1000 | 4 206 05 | CTX ³ 150 130A | RTX ³ 150 | 80 - 105 | 4 167 63/73 | 50 | 400 |
| 55 | 102 | DPX ³ 250 | 100 | 350 - 1000 | 4 206 05 | CTX ³ 150 150A | RTX ³ 150 | 95 - 130 | 4 167 64/74 | 50 | 400 |
| 63 | 115 | DPX ³ 250 | 160 | 560 - 1600 | 4 206 07 | CTX ³ 150 150A | RTX ³ 150 | 95 - 130 | 4 167 64/74 | 50 | 400 |
| 75 | 137 | DPX ³ 250 | 160 | 560 - 1600 | 4 206 07 | CTX ³ 225 185A | RTX ³ 225 | 100 - 160 | 4 167 82 | 50 | 400 |
| 90 | 164 | DPX ³ 250 | 250 | 900 - 2500 | 4 206 09 | CTX ³ 225 185A | RTX ³ 225 | 120 - 185 | 4 167 83 | 50 | 400 |
| 110 | 204 | DPX ³ 250 | 250 | 900 - 2500 | 4 206 09 | CTX ³ 225 225A | RTX ³ 225 | 160 - 240 | 4 167 84 | 50 | 400 |
| 132 | 238 | DPX ³ 250 | 250 | 900 - 2500 | 4 206 09 | CTX ³ 400 265A | RTX ³ 400 | 200 - 330 | 4 167 90 | 50 | 400 |
| 150 | 262 | DPX ³ 630 | 320 | 1600 - 3200 | 4 220 29 | CTX ³ 400 330A | RTX ³ 400 | 200 - 330 | 4 167 90 | 50 | 400 |
| 160 | 282 | DPX ³ 630 | 320 | 1600 - 3200 | 4 220 29 | CTX ³ 400 330A | RTX ³ 400 | 260 - 400 | 4 167 91 | 50 | 400 |
| 200 | 350 | DPX ³ 630 | 400 | 2000 - 3200 | 4 220 30 | CTX ³ 400 400A | RTX ³ 400 | 260 - 400 | 4 167 91 | 50 | 400 |
| 220 | 387 | DPX ³ 630 | 400 | 1600 - 3200 | 4 220 30 | CTX ³ 400 400A | RTX ³ 400 | 260 - 400 | 4 167 91 | 50 | 400 |
| 250 | 440 | DPX ³ 630 | 500 | 1600 - 3200 | 4 220 31 | CTX ³ 800 630A | RTX ³ 800 | 400 - 630 | 4 167 94 | 50 | 400 |

Thermal Overload Relays - RTX³ and Mounting units

Cat. N°(s) : 4 166 40..57/60..77/83..90/4 167 03..10/23..31/
4 167 43..51/60..65/70..75/80..84/86..95

5. GENERAL CHARACTERISTICS *(continued)*

Coordination: Type 2 *(continued)*

| Motor | | Circuit-breaker | | | | Contactor | Thermal relay | | | Test | |
|------------------|-------------------|----------------------|-------------------|------------------------|-----------|---------------------------|----------------------|-------------------|----------------------|---|-------------|
| Rated power (kW) | Rated current (A) | Type | Rated current (A) | Magnetic threshold (A) | Référence | Type | Type | Setting range (A) | Reference | Conditional short-circuit current I _q (kA) | Voltage (V) |
| 15 | 27 | DPX ³ 160 | 40 | 140 - 400 | 4 201 22 | CTX ³ 65 50A | RTX ³ 65 | 24 - 36 | 4 166 87 4 167 07 | 30 | 440 |
| 16 | 29 | DPX ³ 160 | 40 | 140 - 400 | 4 201 22 | CTX ³ 65 50A | RTX ³ 65 | 24 - 36 | 4 166 87 4 167 07 | 30 | 440 |
| 18,5 | 34 | DPX ³ 160 | 40 | 140 - 400 | 4 201 22 | CTX ³ 65 65A | RTX ³ 65 | 28 - 40 | 4 166 88 4 167 08 | 30 | 440 |
| 20 | 37 | DPX ³ 160 | 40 | 140 - 400 | 4 201 22 | CTX ³ 65 65A | RTX ³ 65 | 28 - 40 | 4 166 88 4 167 08 | 30 | 440 |
| 22 | 40 | DPX ³ 160 | 40 | 140 - 400 | 4 201 23 | CTX ³ 100 75A | RTX ³ 100 | 34 - 50 | 4 167 26/46 | 30 | 440 |
| 25 | 45 | DPX ³ 160 | 63 | 220 - 630 | 4 201 23 | CTX ³ 100 85A | RTX ³ 100 | 34 - 50 | 4 167 26/46 | 30 | 440 |
| 30 | 53 | DPX ³ 160 | 63 | 220 - 630 | 4 201 23 | CTX ³ 100 100A | RTX ³ 100 | 45 - 65 | 4 167 27/47 | 30 | 440 |
| 31,5 | 56 | DPX ³ 160 | 63 | 220 - 630 | 4 201 23 | CTX ³ 100 100A | RTX ³ 100 | 45 - 65 | 4 167 27/47 | 30 | 440 |
| 37 | 65 | DPX ³ 250 | 100 | 350 - 1000 | 4 206 05 | CTX ³ 100 100A | RTX ³ 100 | 54 - 75 | 4 167 28/48 | 50 | 440 |
| 40 | 71 | DPX ³ 250 | 100 | 350 - 1000 | 4 206 05 | CTX ³ 150 130A | RTX ³ 150 | 63 - 85 | 4 167 62/72 | 50 | 440 |
| 45 | 78 | DPX ³ 250 | 100 | 350 - 1000 | 4 206 05 | CTX ³ 150 130A | RTX ³ 150 | 63 - 85 | 4 167 62/72 | 50 | 440 |
| 50 | 88 | DPX ³ 250 | 100 | 350 - 1000 | 4 206 05 | CTX ³ 150 130A | RTX ³ 150 | 80 - 105 | 4 167 63/73 | 50 | 440 |
| 55 | 98 | DPX ³ 250 | 100 | 350 - 1000 | 4 206 05 | CTX ³ 150 150A | RTX ³ 150 | 80 - 105 | 4 167 63/73 | 50 | 440 |
| 63 | 110 | DPX ³ 250 | 160 | 560 - 1600 | 4 206 07 | CTX ³ 150 150A | RTX ³ 150 | 95 - 130 | 4 167 64/74 | 50 | 440 |
| 75 | 129 | DPX ³ 250 | 160 | 560 - 1600 | 4 206 07 | CTX ³ 225 185A | RTX ³ 225 | 100 - 160 | 4 167 82 | 50 | 440 |
| 90 | 157 | DPX ³ 250 | 160 | 560 - 1600 | 4 206 07 | CTX ³ 225 225A | RTX ³ 225 | 120 - 185 | 4 167 83 | 50 | 440 |
| 110 | 188 | DPX ³ 250 | 250 | 900 - 2500 | 4 206 09 | CTX ³ 400 265A | RTX ³ 400 | 160 - 240 | 4 167 89 | 50 | 440 |
| 132 | 218 | DPX ³ 250 | 250 | 900 - 2500 | 4 206 09 | CTX ³ 400 265A | RTX ³ 400 | 160 - 240 | 4 167 89 | 50 | 440 |
| 150 | 244 | DPX ³ 630 | 320 | 1600 - 3200 | 4 220 29 | CTX ³ 400 400A | RTX ³ 400 | 200 - 330 | 4 167 90 | 50 | 440 |
| 160 | 260 | DPX ³ 630 | 320 | 1600 - 3200 | 4 220 29 | CTX ³ 400 400A | RTX ³ 400 | 200 - 330 | 4 167 90 | 50 | 440 |
| 200 | 330 | DPX ³ 630 | 400 | 1600 - 3200 | 4 220 30 | CTX ³ 800 630A | RTX ³ 800 | 260 - 400 | 4 167 93 | 50 | 440 |
| 220 | 355 | DPX ³ 630 | 400 | 1600 - 3200 | 4 220 30 | CTX ³ 800 630A | RTX ³ 800 | 260 - 400 | 4 167 93 | 50 | 440 |
| 250 | 405 | DPX ³ 630 | 500 | 1600 - 3200 | 4 220 31 | CTX ³ 800 800A | RTX ³ 800 | 400 - 600 | 4 167 94 | 50 | 440 |

6. CONFORMITIES AND APPROVALS

Compliance to standards:

- . Standards references: IEC/EN 60 947-1, IEC/EN 60 947-4-1.
- . Certifications: CE, UL.

Thermal Overload Relays - RTX³ and Mounting units

Cat. N°(s) : 4 166 40..57/60..77/83..90/4 167 03..10/23..31/
4 167 43..51/60..65/70..75/80..84/86..95

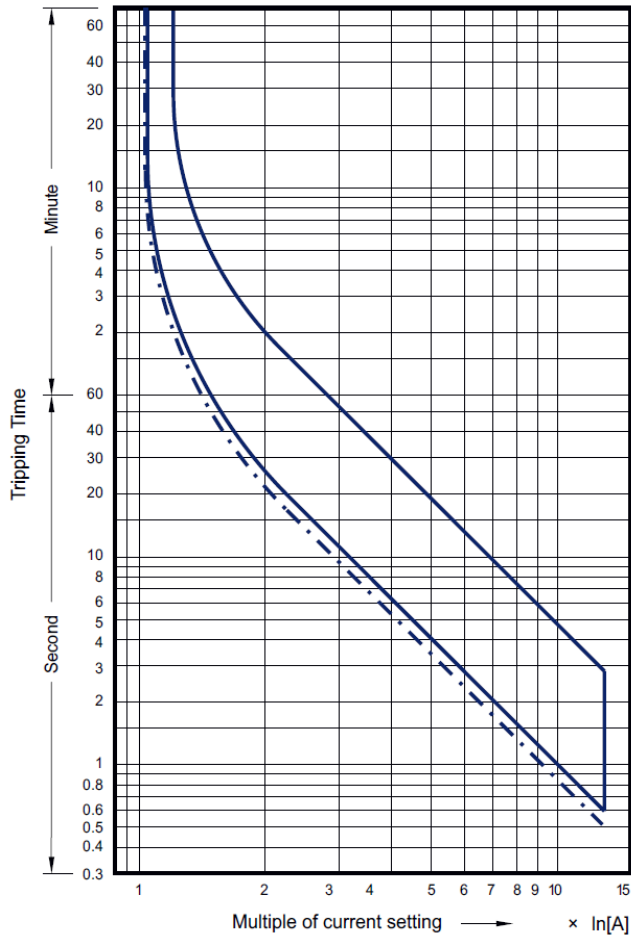
7. CURVES

Time / Current tripping curve:

RTX³ 40:

. Class 10A.

- Cold starting:



. Open phase: - - - - -

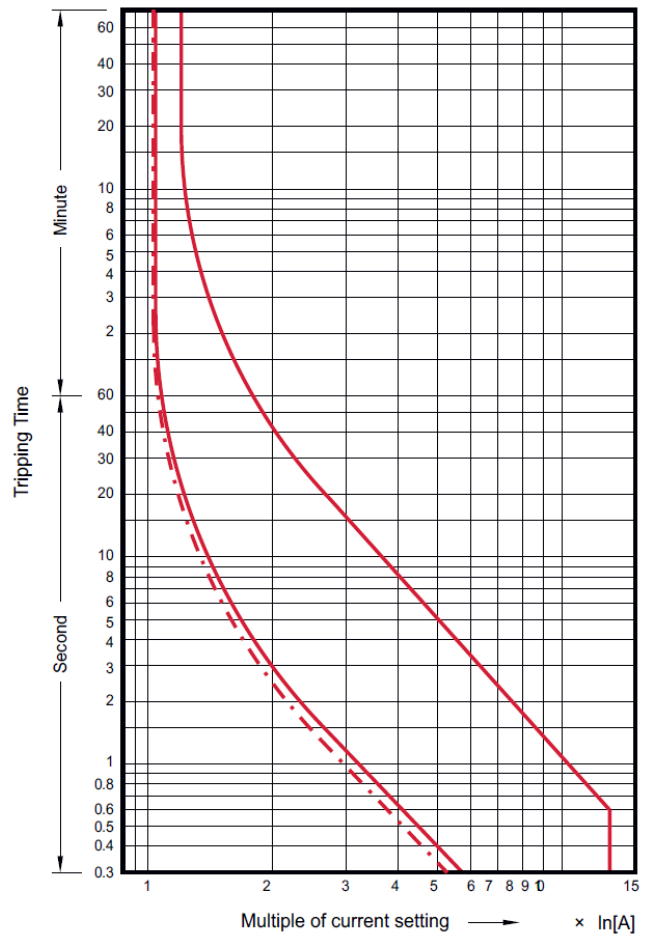
7. CURVES (continued)

Time / Current tripping curve:

RTX³ 40: (continued)

. Class 10A.

- Hot starting:



. Open phase: - - - - -

Thermal Overload Relays - RTX³ and Mounting units

Cat. N°(s) : 4 166 40..57/60..77/83..90/4 167 03..10/23..31/
4 167 43..51/60..65/70..75/80..84/86..95

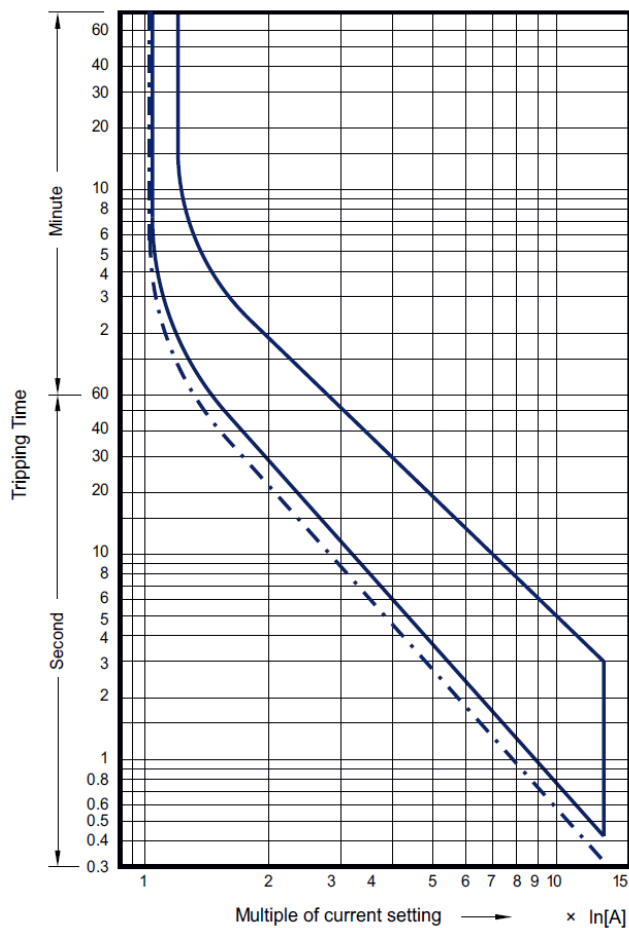
7. CURVES (continued)

Time / Current tripping curve:

RTX³ 65:

. Class 10A.

- Cold starting:



. Open phase: - - - - -

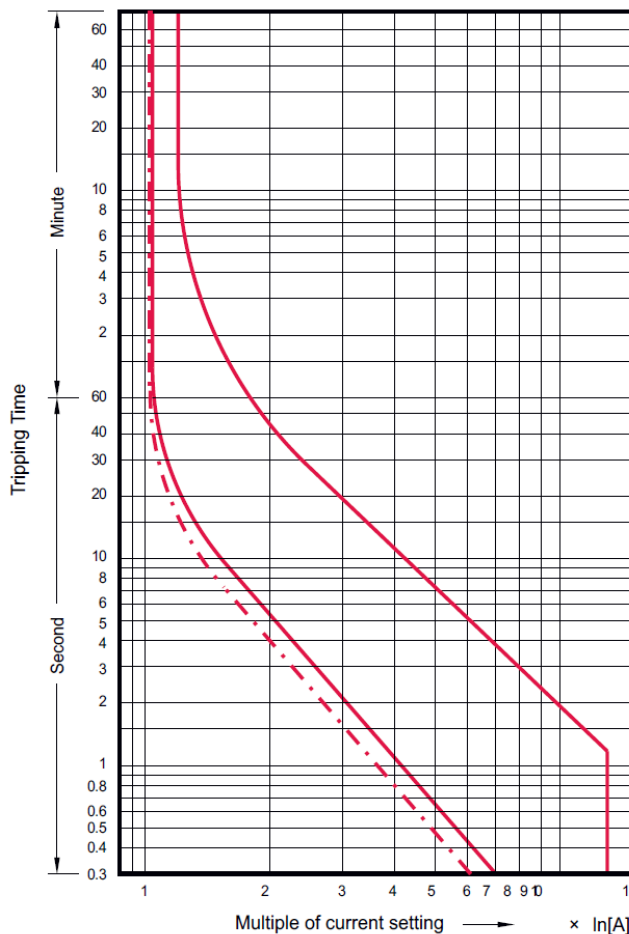
7. CURVES (continued)

Time / Current tripping curve:

RTX³ 65: (continued)

. Class 10A.

- Hot starting:



. Open phase: - - - - -

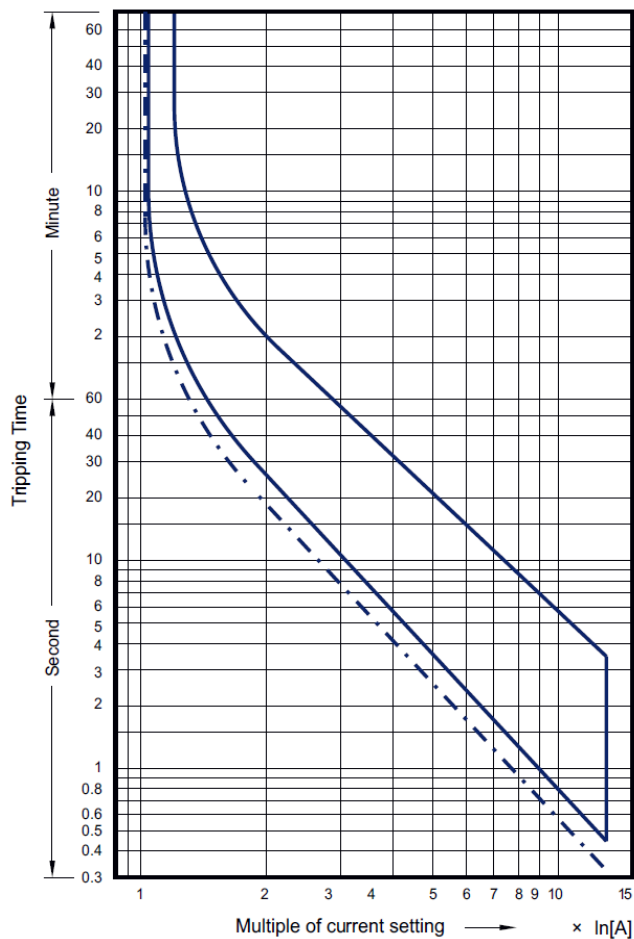
7. CURVES (continued)

Time / Current tripping curve:

RTX³ 100:

. Class 10A.

- Cold starting:



. Open phase: - - - - -

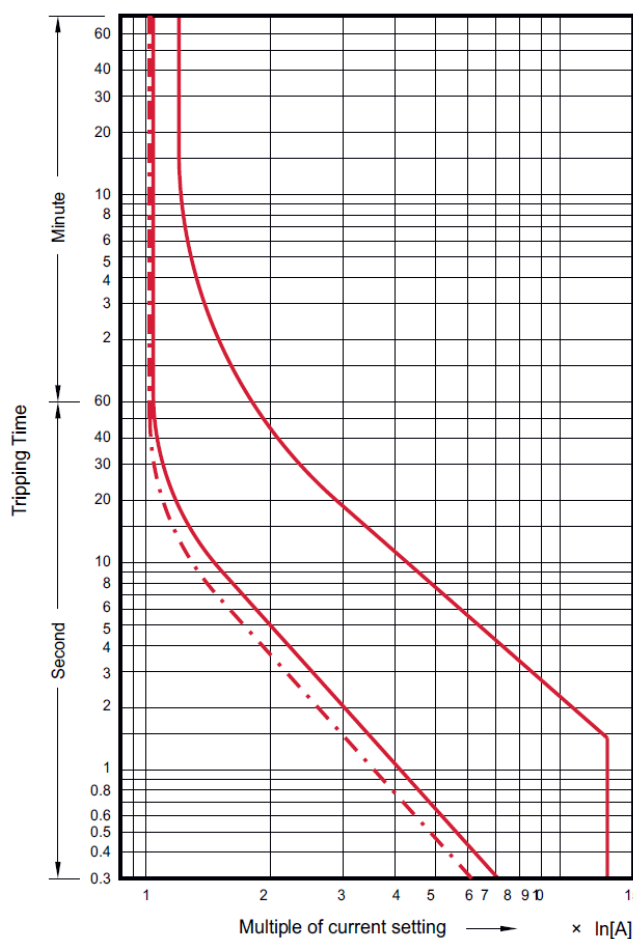
7. CURVES (continued)

Time / Current tripping curve:

RTX³ 100: (continued)

. Class 10A.

- Hot starting:



. Open phase: - - - - -

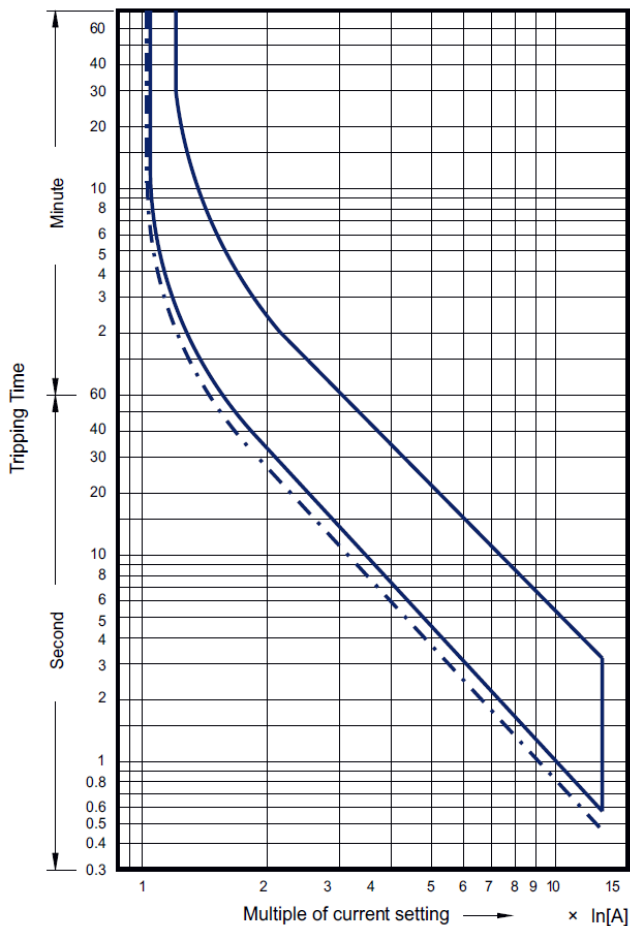
7. CURVES (continued)

Time / Current tripping curve:

RTX³ 150:

. Class 10A.

- Cold starting:



. Open phase: - - - - -

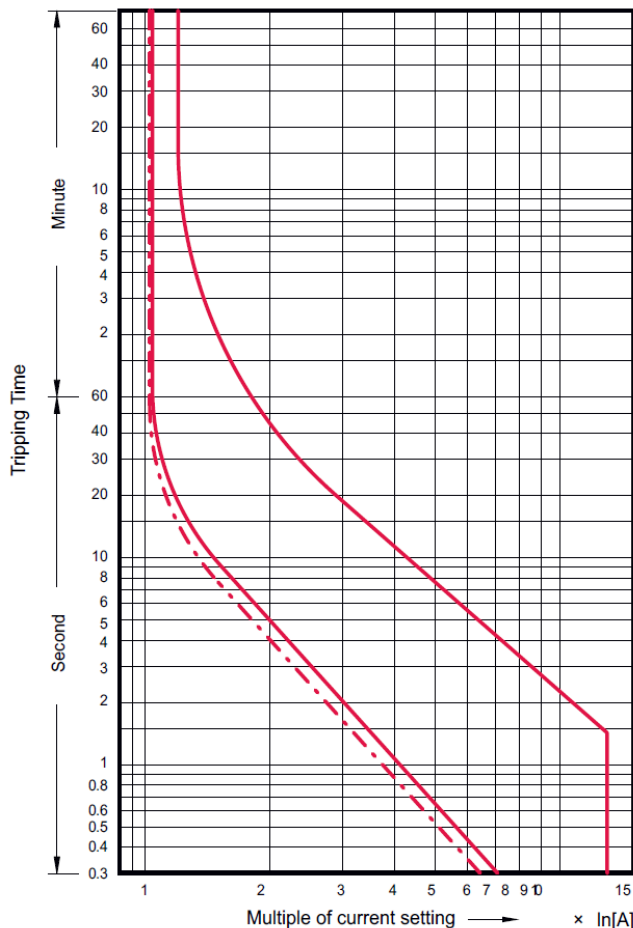
7. CURVES (continued)

Time / Current tripping curve:

RTX³ 150: (continued)

. Class 10A.

- Hot starting:



. Open phase: - - - - -

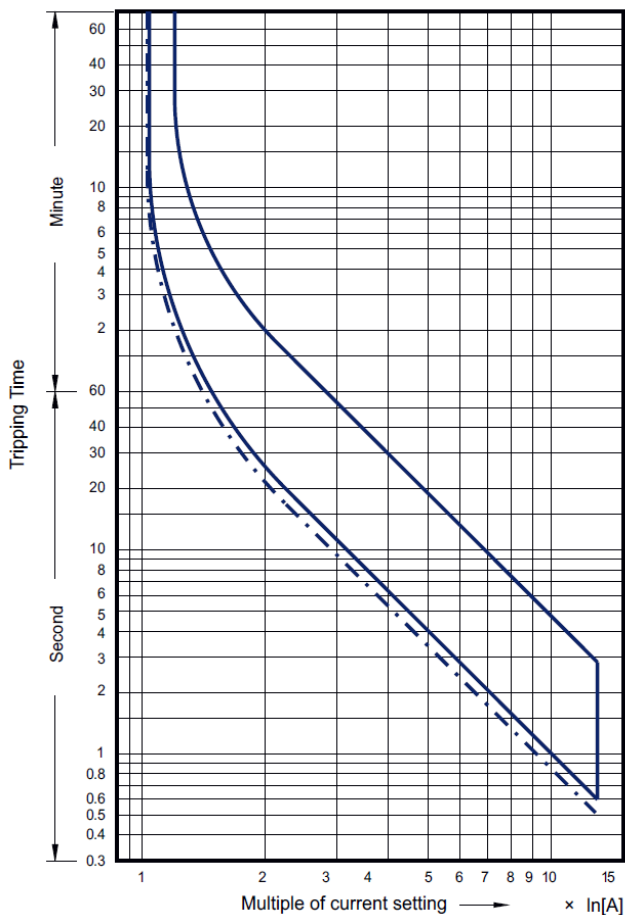
7. CURVES (continued)

Time / Current tripping curve:

RTX³ 225:

. Class 10A.

- Cold starting:



. Open phase: - - - - -

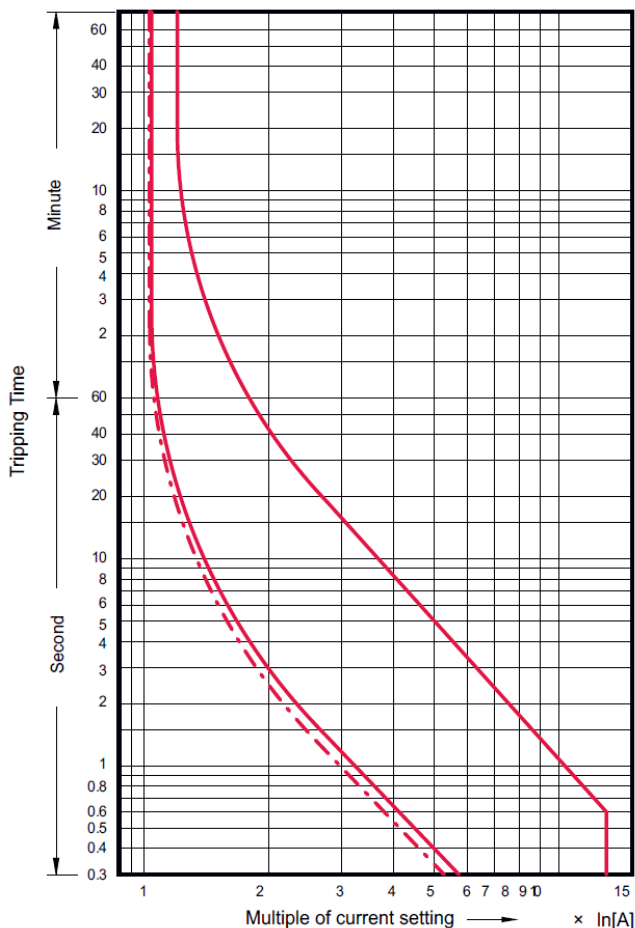
7. CURVES (continued)

Time / Current tripping curve:

RTX³ 225: (continued)

. Class 10A.

- Hot starting:



. Open phase: - - - - -

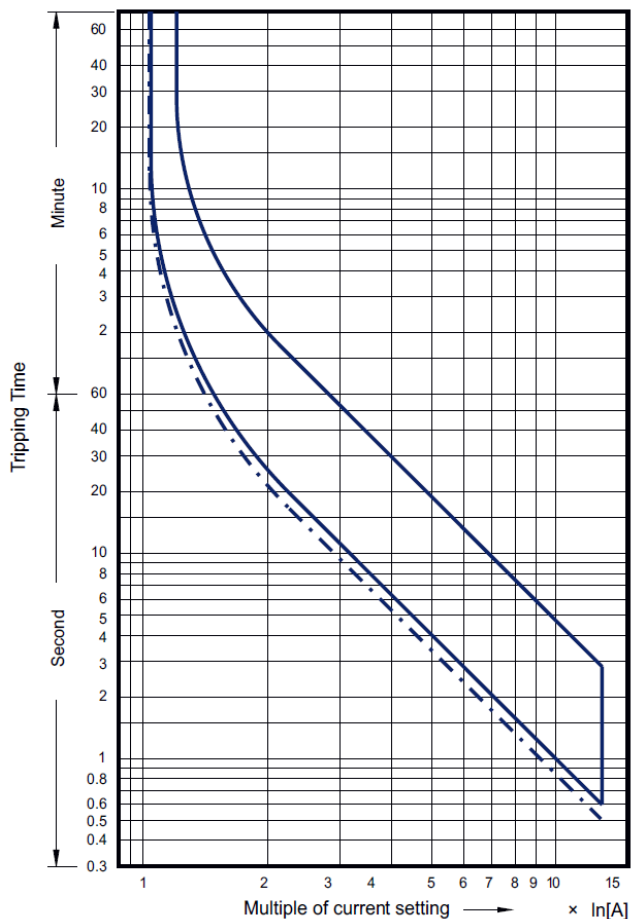
7. CURVES (continued)

Time / Current tripping curve:

RTX³ 400:

. Class 10A.

- Cold starting:



. Open phase: - - - - -

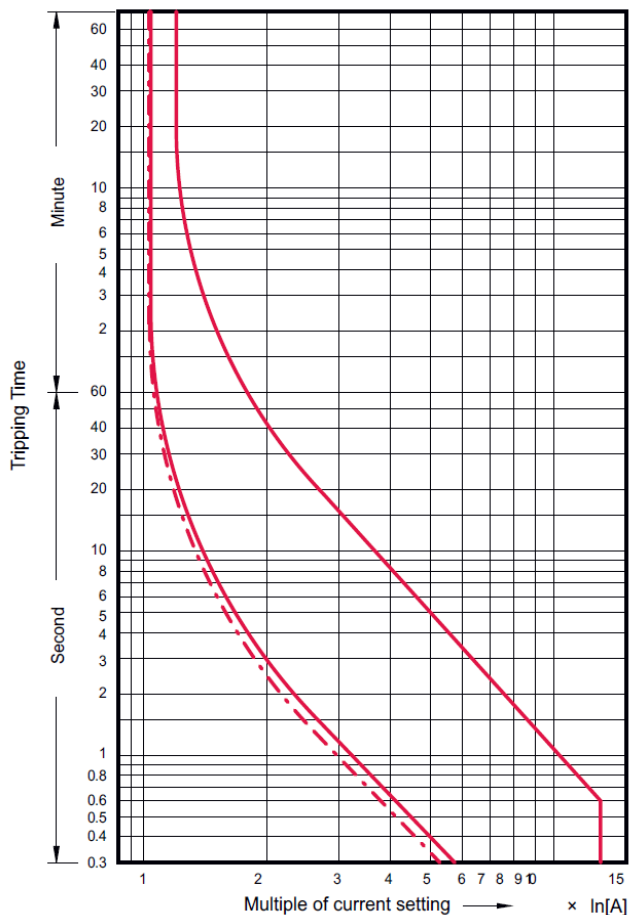
7. CURVES (continued)

Time / Current tripping curve:

RTX³ 400: (continued)

. Class 10A.

- Hot starting:



. Open phase: - - - - -

Thermal Overload Relays - RTX³ and Mounting units

Cat. N°(s) : 4 166 40..57/60..77/83..90/4 167 03..10/23..31/
4 167 43..51/60..65/70..75/80..84/86..95

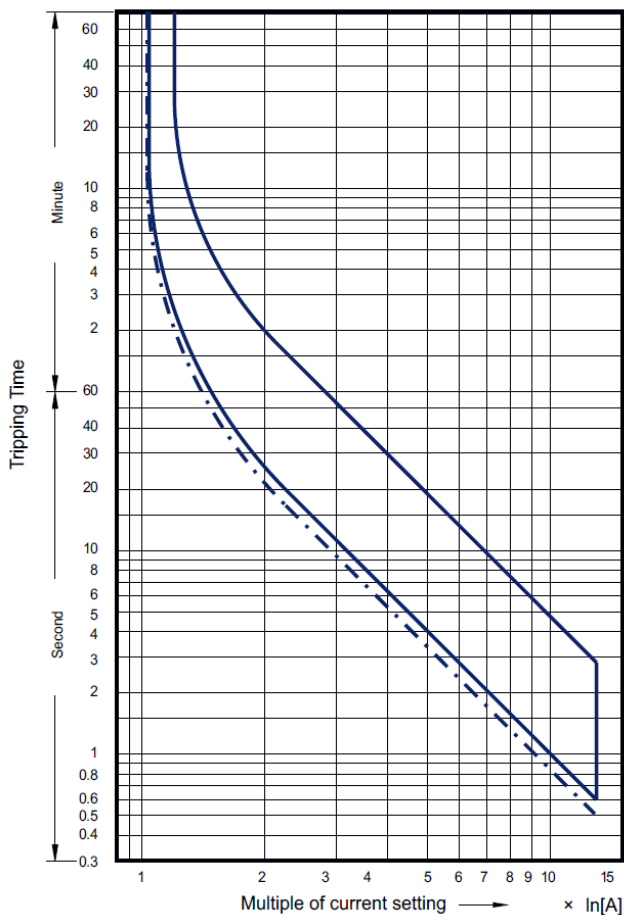
7. CURVES (continued)

Time / Current tripping curve:

RTX³ 800:

. Class 10A.

- Cold starting:



. Open phase: - - - - -

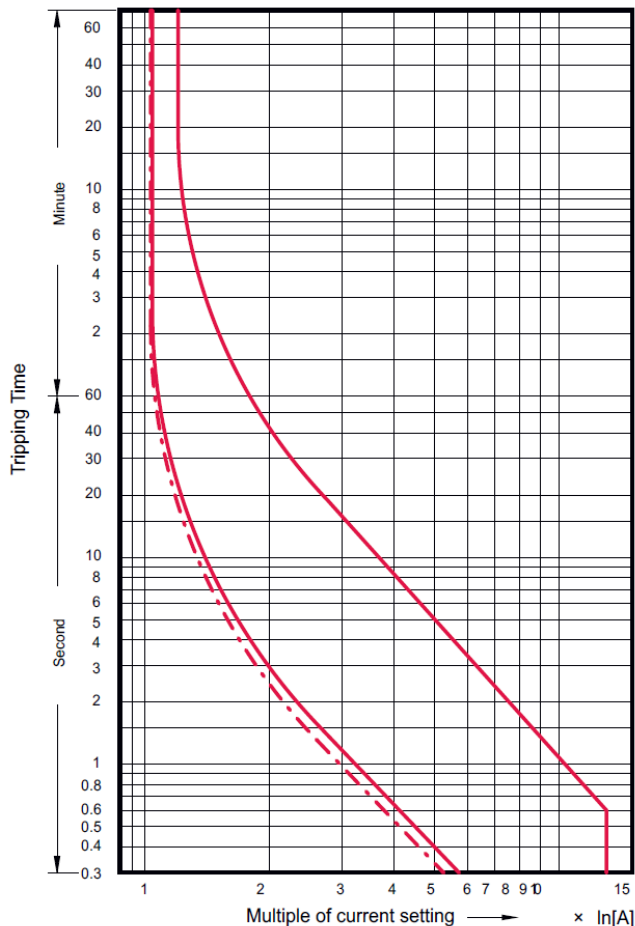
7. CURVES (continued)

Time / Current tripping curve:

RTX³ 800: (continued)

. Class 10A.

- Hot starting:



. Open phase: - - - - -

8. AUXILIARIES AND ACCESSORIES

Accessories: *(continued)*

RTX³ remote reset cable:

- . RTX³ remote reset cable L400 [mm] (cat. 4 168 92).
- . RTX³ remote reset cable L500 [mm] (cat. 4 168 93).
- . RTX³ remote reset cable L600 [mm] (cat. 4 168 94).



Separate mounting unit:

- . Separate mounting unit for RTX³ 40.(cat. 4 165 91).
- . Separate mounting unit for RTX³ 40.(cat. 4 165 92).
- . Separate mounting unit for RTX³ 65 - screw (cat. 4 165 93).
- . Separate mounting unit for RTX³ 65 - cage (cat. 4 165 94).
- . Separate mounting unit for RTX³ 100 - screw (cat. 4 165 95).
- . Separate mounting unit for RTX³ 100 - cage (cat. 4 165 96).
- . Separate mounting unit for RTX³ 150 - screw (cat. 4 165 97).
- . Separate mounting unit for RTX³ 150 - cage (cat. 4 165 98).



Installation software:

- . XL PRO³.