

Contactors and Contactor Assemblies

Contactors for Switching Motors

SIRIUS

3RT10 contactors, 3-pole

Selection and ordering data

* AC or DC Coil

* Screw Terminals or Spring Loaded Terminal



3RT10 1.-1A...



3RT10 1.-2A...



3RT10 2.-1A.00



3RT10 2.-3A.00



3RT10 3.-1A.00



3RT10 4.-1A.00

| Frame size | Amp ratings | | Single phase HP ratings | | Three phase HP ratings | | | | Auxiliary contacts | | Screw terminals | | Spring loaded terminals ¹⁾ | | Weight approx. AC/DC kg |
|------------|-------------|-----|-------------------------|-------|------------------------|-------|-------|-------|--------------------|----|----------------------------------|----------------------------------|---------------------------------------|--|-------------------------|
| | AC3 | AC1 | 115 V | 230 V | 200 V | 230 V | 460 V | 575 V | NO | NC | Order No. | Order No. | | | |
| S00 | 7 | 18 | 0.25 | 0.75 | 1.5 | 2 | 3 | 5 | 1 | 0 | 3RT10 15-1□□□1 3RT10 15-1□□□2 | 3RT10 15-2□□□1 3RT10 15-2□□□2 | 0.20/0.26 | | |
| | 9 | 22 | 0.33 | 1 | 2 | 3 | 5 | 7.5 | 1 | 0 | 3RT10 16-1□□□1 3RT10 16-1□□□2 | 3RT10 16-2□□□1 3RT10 16-2□□□2 | | | |
| | 12 | 22 | 0.5 | 2 | 3 | 3 | 7.5 | 10 | 1 | 0 | 3RT10 17-1□□□1 3RT10 17-1□□□2 | 3RT10 17-2□□□1 3RT10 17-2□□□2 | | | |
| S0 | 9 | 40 | 0.33 | 1 | 2 | 3 | 5 | 7.5 | 0 | 0 | 3RT10 23-1□□□0 | 3RT10 23-3□□□0 | 0.35/0.58 | | |
| | 12 | 40 | 0.5 | 2 | 3 | 3 | 7.5 | 10 | 0 | 0 | 3RT10 24-1□□□0 | 3RT10 24-3□□□0 | | | |
| | 17 | 40 | 1 | 3 | 5 | 5 | 10 | 15 | 0 | 0 | 3RT10 25-1□□□0 | 3RT10 25-3□□□0 | | | |
| S2 | 25 | 40 | 2 | 3 | 7.5 | 7.5 | 15 | 20 | 0 | 0 | 3RT10 26-1□□□0 | 3RT10 26-3□□□0 | 0.85/1.45 | | |
| | 28 | 50 | 2 | 5 | 7.5 | 10 | 20 | 25 | 0 | 0 | 3RT10 33-1□□□0 | 3RT10 33-3□□□0 | | | |
| | 32 | 50 | 2 | 5 | 10 | 10 | 25 | 30 | 0 | 0 | 3RT10 34-1□□□0 | 3RT10 34-3□□□0 | | | |
| S3 | 40 | 60 | 3 | 7.5 | 10 | 15 | 30 | 40 | 0 | 0 | 3RT10 35-1□□□0 | 3RT10 35-3□□□0 | 1.8/2.8 | | |
| | 50 | 60 | 3 | 10 | 15 | 15 | 40 | 50 | 0 | 0 | 3RT10 36-1□□□0 | 3RT10 36-3□□□0 | | | |
| | 65 | 100 | 5 | 15 | 20 | 25 | 50 | 60 | 0 | 0 | 3RT10 44-1□□□0 | 3RT10 44-3□□□0 | | | |
| S3 | 80 | 120 | 7.5 | 15 | 25 | 30 | 60 | 75 | 0 | 0 | 3RT10 45-1□□□0 | 3RT10 45-3□□□0 | 1.8/2.8 | | |
| | 95 | 120 | 10 | – | 30 | 30 | 75 | 100 | 0 | 0 | 3RT10 46-1□□□0 | 3RT10 46-3□□□0 | | | |

AC Coil = A

DC Coil = B

A

B

NEMA Labeled Contactors

| NEMA size | Amp ratings | Single phase HP ratings | | Three phase HP ratings | | | | Auxiliary contacts | | Screw terminals with AC coil | | Screw terminals with 24 V DC coil | | Weight approx. AC/DC kg |
|-----------|-------------|-------------------------|-------|------------------------|-------|-------|-------|--------------------|----|------------------------------|---------------------|-----------------------------------|--|-------------------------|
| | | 115 V | 230 V | 200 V | 230 V | 460 V | 575 V | NO | NC | Order No. | Order No. | | | |
| 0 | 18 | 1 | 2 | 3 | 3 | 5 | 5 | 1 | 0 | 3RT10 17-1A□□1-0UA0 | 3RT10 17-1BB41-0UA0 | 0.20/0.26 | | |
| 1 | 27 | 2 | 3 | 7.5 | 7.5 | 10 | 10 | 0 | 0 | 3RT10 26-1A□□0-0UA0 | 3RT10 26-1BB40-0UA0 | 0.35/0.58 | | |
| 2 | 45 | 3 | 7.5 | 10 | 15 | 25 | 25 | 0 | 0 | 3RT10 36-1A□□0-0UA0 | 3RT10 36-1BB40-0UA0 | 0.85/1.45 | | |
| 3 | 90 | 10 | 20 | 25 | 30 | 50 | 50 | 0 | 0 | 3RT10 46-1A□□0-0UA0 | 3RT10 46-1BB40-0UA0 | 1.8/2.8 | | |

¹⁾ All terminals are spring loaded on frame size S00. Only the coil terminals are spring loaded on frame sizes S0, S2 & S3.

For further coil voltages, see page 2/23.
 For auxiliaries and accessories, see page 2/35-51.
 For spare parts, see page 2/54-58.
 For technical data, see page 2/86-107.
 For description, see page 2/65-66.
 For int. circuit diagrams, see page 2/156.
 For dimension drawings, see page 2/172-175.

| AC Coil Selection for 3RT101 through 3RT104, □ = A | | | | | | | |
|--|------------------|------------------|-------|-------|-------|-------|-------|
| Coil Code | C2 ²⁾ | H2 ³⁾ | K6 | P6 | U6 | V6 | T6 |
| 60 Hz | 24 V | 48 V | 120 V | 240 V | 277 V | 480 V | 600 V |
| 50 Hz | 24 V | 48 V | 110 V | 220 V | – | – | – |

²⁾ Use code **B0** for 3RT101, S00

³⁾ Use code **H0** for 3RT101, S00

| DC Coil Selection for 3RT101 through 3RT104, □ = B | | | | | | | |
|--|------------------|------|------|------|-------|-------|-------|
| Coil Code | A4 ⁴⁾ | B4 | W4 | E4 | F4 | G4 | M4 |
| DC | 12 V | 24 V | 48 V | 60 V | 110 V | 125 V | 220 V |

⁴⁾ 3RT101 only



Selection and ordering data

- * AC/DC Coils with built in surge suppressor
- * Coil Types (40Hz to 60Hz, DC)
- * Conventional Coil
- * Solid-state operated coil with wider range and 24 V DC PLC input
- * Solid-state operated coil with Remaining Lifetime Indication (RLT)
- * Solid-state operated coil with RLT and AS-Interface communication
- * Box terminals ordered separately



3RT10 64-6A-6 3RT10 56-6P-5 3RT10 56-6Q-5

| Frame size | Amp ratings | | Single phase HP ratings | | Three phase HP ratings | | | | Auxiliary contacts | | Screw terminals on coil and aux contacts | Spring loaded terminals on coil and aux contacts | Weight approx. kg |
|------------|-------------|-----|-------------------------|-------|------------------------|-------|-------|-------|--------------------|----|--|--|-------------------|
| | AC3 | AC1 | 115 V | 230 V | 200 V | 230 V | 460 V | 575 V | NO | NC | Order No. | Order No. | |
| S6 | 115 | 160 | - | - | 40 | 50 | 100 | 125 | 2 | 2 | 3RT10 54-6□●●6 | 3RT10 54-2□●●6 | 3.5 |
| | 150 | 185 | - | - | 50 | 60 | 125 | 150 | 2 | 2 | 3RT10 55-6□●●6 | 3RT10 55-2□●●6 | |
| | 185 | 215 | - | - | 60 | 75 | 150 | 200 | 2 | 2 | 3RT10 56-6□●●6 | 3RT10 56-2□●●6 | |
| S10 | 225 | 275 | - | - | 60 | 75 | 150 | 200 | 2 | 2 | 3RT10 64-6□●●6 | 3RT10 64-2□●●6 | 6.7 |
| | 265 | 330 | - | - | 75 | 100 | 200 | 250 | 2 | 2 | 3RT10 65-6□●●6 | 3RT10 65-2□●●6 | |
| | 300 | 330 | - | - | 100 | 125 | 250 | 300 | 2 | 2 | 3RT10 66-6□●●6 | 3RT10 66-2□●●6 | |
| S12 | 400 | 430 | - | - | 125 | 150 | 300 | 400 | 2 | 2 | 3RT10 75-6□●●6 | 3RT10 75-2□●●6 | 10.5 |
| | 500 | 610 | - | - | 150 | 200 | 400 | 500 | 2 | 2 | 3RT10 76-6□●●6 | 3RT10 76-2□●●6 | |

Conventional Coil = **A** **A**
 Solid State Operated Coil = **N** **N**

| Frame size | Amp ratings | | Single phase HP ratings | | Three phase HP ratings | | | | Auxiliary contacts | | Screw terminals on coil and aux contacts | Spring loaded terminals on coil and aux contacts | Weight approx. kg |
|------------|-------------|-----|-------------------------|-------|------------------------|-------|-------|-------|--------------------|----|--|--|-------------------|
| | AC3 | AC1 | 115 V | 230 V | 200 V | 230 V | 460 V | 575 V | NO | NC | Order No. | Order No. | |
| S6 | 115 | 160 | - | - | 40 | 50 | 100 | 125 | 2 | 2 | 3RT10 54-6□●●5 | 3RT10 54-2□●●5 | 4 |
| | 150 | 185 | - | - | 50 | 60 | 125 | 150 | 2 | 2 | 3RT10 55-6□●●5 | 3RT10 55-2□●●5 | |
| | 185 | 215 | - | - | 60 | 75 | 150 | 200 | 2 | 2 | 3RT10 56-6□●●5 | 3RT10 56-2□●●5 | |
| S10 | 225 | 275 | - | - | 60 | 75 | 150 | 200 | 2 | 2 | 3RT10 64-6□●●5 | 3RT10 64-6□●●5 | 7 |
| | 265 | 330 | - | - | 75 | 100 | 200 | 250 | 2 | 2 | 3RT10 65-6□●●5 | 3RT10 65-6□●●5 | |
| | 300 | 330 | - | - | 100 | 125 | 250 | 300 | 2 | 2 | 3RT10 66-6□●●5 | 3RT10 66-6□●●5 | |
| S12 | 400 | 430 | - | - | 125 | 150 | 300 | 400 | 2 | 2 | 3RT10 75-6□●●5 | 3RT10 75-6□●●5 | 10.5 |
| | 500 | 610 | - | - | 150 | 200 | 400 | 500 | 2 | 2 | 3RT10 76-6□●●5 | 3RT10 76-6□●●5 | |

Solid State Operated Coil with Remaining Lifetime Indication = **P** **P**
 Solid State Operated Coil with AS-Interface and Remaining Lifetime Indication = **Q** **Q**

NEMA Labeled Contactors with Conventional Coil

| NEMA size | Amp ratings | Single phase | | Three phase HP ratings | | | | Auxiliary | | Screw terminals | Weight approx. AC/DC |
|-----------|-------------|--------------|-------|------------------------|-------|-------|-------|-----------|----|---------------------|----------------------|
| | | 115 V | 230 V | 200 V | 230 V | 460 V | 575 V | NO | NC | Order No. | |
| 4 | 135 | - | - | 40 | 50 | 100 | 100 | 2 | 2 | 3RT10 56-6A●●6-0UA0 | 3.1/3.1 |

For further coil voltages, see page 2/23.
 For auxiliaries and accessories, see page 2/35-50.
 For spare parts, see page 2/56-58.
 For technical data, see page 2/86-116.
 For description, see page 2/67-69.
 For int. circuit diagrams, see page 2/156.
 For dimension drawings, see page 2/176-177.

| Conventional Coil Selection for 3RT105 through 3RT107, □ = A | | | | | | | |
|--|---------|---------|-----------|-----------|-----------|-----------|-----------|
| Coil Code | B3 | D3 | F3 | P3 | U3 | R3 | T3 |
| AC 40-60 Hz, DC | 23-26 V | 42-48 V | 110-127 V | 220-240 V | 240-277 V | 440-480 V | 575-600 V |

| Solid State Operated Coil Selection for 3RT105 through 3RT107, □ = N, P, Q | | | |
|--|-----------|----------|-----------|
| Coil Code | B3 | F3 | P3 |
| AC 40-60 Hz, DC | 21-27.3 V | 96-127 V | 200-277 V |