

3RT1 Contactors with Screw Connections

SIRIUS 3R



Accessories

| For contactors | Rated operational current I_n /AC-15/AC-14 at | | | | Auxiliary contacts | | | | Order No. | Price | Weight approx. | Packing |
|----------------|---|-------|-------|-------|--------------------|--------|--|--|-----------|-------|----------------|---------|
| | 230 V | 400 V | 500 V | 690 V | Ident. no. | Design | | | | | | |
| Type | A | A | A | A | | | | | | | 1 unit | kg |

Snap-on auxiliary switch blocks acc. to EN 50 012

Size S00

For making contactors with 2, 4 or 5 auxiliary contacts

3RH19 11-1HA..



| | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|------|---|---|---|---|----------------|--|-------|--------|
| 3RT10 1.-1...1 Ident. no.10E | 6 | 3 | 2 | 1 | 11 E | - | 1 | - | - | 3RH19 11-1HA01 | | 0.045 | 1 unit |
| | | | | | 22 E | 1 | 2 | - | - | 3RH19 11-1HA12 | | | |
| | | | | | 23 E | 1 | 3 | - | - | 3RH19 11-1HA13 | | | |
| | | | | | 32 E | 2 | 2 | - | - | 3RH19 11-1HA22 | | | |

Sizes S0 to S3

4-pole, for making contactors with 4 auxiliary contacts

| | | | | | | | | | | | | | |
|---|--|--|--|--|----|---|---|---|---|----------------|--|-------|--------|
| 3RT10 2, 3RT10 3, 3RT10 4 3RT14 46 | | | | | 31 | 3 | 1 | - | - | 3RH19 21-1HA31 | | 0.065 | 1 unit |
| | | | | | 22 | 2 | 2 | - | - | 3RH19 21-1HA22 | | | |
| | | | | | 13 | 1 | 3 | - | - | 3RH19 21-1HA13 | | | |

Snap-on auxiliary switch blocks acc. to EN 50 005

Size S00

2 or 4-pole auxiliary switch blocks for making contactors with 3 or 5 auxiliary contacts

3RH19 11-1F...



| | | | | | | | | | | | | | |
|------|---|---|---|---|------|---|---|---|---|----------------|--|-------|--------|
| 3RT1 | 6 | 3 | 2 | 1 | 20 | 2 | - | - | - | 3RH19 11-1FA20 | | 0.045 | 1 unit |
| | | | | | 11 | 1 | 1 | - | - | 3RH19 11-1FA11 | | | |
| | | | | | 02 | - | 2 | - | - | 3RH19 11-1FA02 | | | |
| | | | | | 11 U | - | - | 1 | 1 | 3RH19 11-1FB11 | | | |

3RH19 11-1BA..



| | | | | | | | | | | | | | |
|--|---|---|---|---|----------|---|---|---|---|----------------|--|-------|--------|
| | 6 | 3 | 2 | 1 | 40 | 4 | - | - | - | 3RH19 11-1FA40 | | 0.045 | 1 unit |
| | | | | | 31 | 3 | 1 | - | - | 3RH19 11-1FA31 | | | |
| | | | | | 22 | 2 | 2 | - | - | 3RH19 11-1FA22 | | | |
| | | | | | 22 U | - | - | 2 | 2 | 3RH19 11-1FC22 | | | |
| | | | | | 11, 11 U | 1 | 1 | 1 | 1 | 3RH19 11-1FB22 | | | |

Single or 2-pole auxiliary switch blocks, cable entry from one side

• Cable entry from above

| | | | | | | | | | | | | | |
|------|---|---|---|---|---|---|---|---|---|----------------|--|-------|--------|
| 3RT1 | 6 | 3 | 2 | 1 | - | 1 | - | - | - | 3RH19 11-1AA10 | | 0.015 | 1 unit |
| | | | | | - | - | 1 | - | - | 3RH19 11-1AA01 | | 0.045 | |
| | | | | | - | 1 | 1 | - | - | 3RH19 11-1LA11 | | | |
| | | | | | - | 2 | - | - | - | 3RH19 11-1LA20 | | | |

• Cable entry from below

| | | | | | | | | | | | | | |
|------|---|---|---|---|---|---|---|---|---|----------------|--|-------|--------|
| 3RT1 | 6 | 3 | 2 | 1 | - | 1 | - | - | - | 3RH19 11-1BA10 | | 0.015 | 1 unit |
| | | | | | - | - | 1 | - | - | 3RH19 11-1BA01 | | 0.045 | |
| | | | | | - | 1 | 1 | - | - | 3RH19 11-1MA11 | | | |
| | | | | | - | 2 | - | - | - | 3RH19 11-1MA20 | | | |

Sizes S0 to S3

4-pole auxiliary switch blocks

3RH19 21-1CA..



| | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|------|---|---|---|---|----------------|--|-------|--------|
| 3RT1. 2, 3RT1. 3, 3RT1. 4 | 6 | 3 | 2 | 1 | 40 | 4 | - | - | - | 3RH19 21-1FA40 | | 0.065 | 1 unit |
| | | | | | 31 | 3 | 1 | - | - | 3RH19 21-1FA31 | | | |
| | | | | | 22 | 2 | 2 | - | - | 3RH19 21-1FA22 | | | |
| | | | | | 04 | - | 4 | - | - | 3RH19 21-1FA04 | | | |
| | | | | | 22 U | - | - | 2 | 2 | 3RH19 21-1FC22 | | | |

Single-pole auxiliary switch blocks acc. to EN 50 005 and EN 50 012 (1 packg. = 10 units)

3RH19 21-1LA..



| | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|----------------|--|-------|--------|
| 3RT1. 2, 3RT1. 3, 3RT1. 4 | 6 | 3 | 2 | 1 | - | 1 | - | - | - | 3RH19 21-1CA10 | | 0.015 | 1 pack |
| | | | | | - | - | 1 | - | - | 3RH19 21-1CA01 | | | |
| | | | | | - | - | - | 1 | - | 3RH19 21-1CD10 | | | |
| | | | | | - | - | - | - | 1 | 3RH19 21-1CD01 | | | |

2-pole auxiliary switch blocks with cable entry from one side

• Cable entry from above

| | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|----------------|--|-------|--------|
| 3RT1. 2, 3RT1. 3, 3RT1. 4 | 6 | 3 | 2 | 1 | - | 1 | 1 | - | - | 3RH19 21-1LA11 | | 0.065 | 1 unit |
| | | | | | - | 2 | - | - | - | 3RH19 21-1LA20 | | | |
| | | | | | - | - | 2 | - | - | 3RH19 21-1LA02 | | | |

• Cable entry from below

| | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|----------------|--|-------|--------|
| 3RT1. 2, 3RT1. 3, 3RT1. 4 | 6 | 3 | 2 | 1 | - | 1 | 1 | - | - | 3RH19 21-1MA11 | | 0.065 | 1 unit |
| | | | | | - | 2 | - | - | - | 3RH19 21-1MA20 | | | |
| | | | | | - | - | 2 | - | - | 3RH19 21-1MA02 | | | |

For internal circuit diagrams, see page 3/84.
For position of terminals, see page 3/88.



| For contactors | Rated operational current I_N /AC-15/AC-14 at | | | Auxiliary contacts | | Order No. | Price | Weight approx. |
|----------------|---|-------|-------|--------------------|----|-----------|--------|----------------|
| | 230 V | 400 V | 500 V | Design | | | | |
| Type | A | A | A | NO | NC | | 1 unit | kg |

Laterally mountable auxiliary switch blocks acc. to EN 50 012¹⁾

Sizes S0 to S3²⁾

3RH19 21-1DA11



- First laterally mountable auxiliary switch block (right or left), 2-pole

| | | | | | | | |
|---------------------------------|---|---|---|---|---|----------------|-------|
| 3RT1. 2, 3RT1. 3, 3RT1. 4 | 6 | 3 | 2 | 1 | 1 | 3RH19 21-1DA11 | 0.038 |
|---------------------------------|---|---|---|---|---|----------------|-------|

Size S3

- Second laterally mountable auxiliary switch block (right or left), 2-pole

| | | | | | | | |
|---------|---|---|---|---|---|----------------|-------|
| 3RT1. 4 | 6 | 3 | 2 | 1 | 1 | 3RH19 21-1JA11 | 0.038 |
|---------|---|---|---|---|---|----------------|-------|

Laterally mountable auxiliary switch blocks acc. to EN 50 005

Sizes S0 to S3²⁾

3RH19 21-1EA..



- First laterally mountable auxiliary switch block (right or left), 2-pole

| | | | | | | | |
|---|---|---|---|---|---|--|-------|
| 3RT1. 2, 3RT1. 3, 3RT1. 4, 3RT16 | 6 | 3 | 2 | 2 | – | 3RH19 21-1EA20 3RH19 21-1EA11 3RH19 21-1EA02 | 0.038 |
|---|---|---|---|---|---|--|-------|

Size S3

- Second laterally mountable auxiliary switch block (right or left), 2-pole

| | | | | | | | |
|---------|---|---|---|---|---|--|-------|
| 3RT1. 4 | 6 | 3 | 2 | 2 | – | 3RH19 21-1KA20 3RH19 21-1KA11 3RH19 21-1KA02 | 0.038 |
|---------|---|---|---|---|---|--|-------|

| For contactors | Design | Contacts | | | | Order No. | Price | Weight approx. |
|----------------|--------|----------|----|----|----|-----------|--------|----------------|
| | | Design | | | | | | |
| Type | | NO | NO | NC | NC | | 1 unit | kg |

Solid-state compatible auxiliary switch blocks

Size S00

3RH19 11-1NF..



- For snapping onto the front of the contactors

| | | | | | | | |
|---------|--|---|---|---|---|--|--|
| 3RT1. 1 | For use in dusty atmosphere and electronic circuits with rated operational currents I_N /AC-14 and DC-13 from 1 mA to 300 mA at 3 V to 60 V. Hard gold-plated contacts. No positively driven operation | 1 | – | – | 1 | 3RH19 11-1NF11 3RH19 11-1NF20 3RH19 11-1NF02 | |
|---------|--|---|---|---|---|--|--|

Sizes S0 to S3

- For snapping onto the front of the contactors

| | | | | | | | |
|---------------------------------|--|---|---|---|---|----------------|--|
| 3RT1. 2, 3RT1. 3, 3RT1. 4 | 1 NO + 1 NC solid-state compatible auxiliary switches: For use in dusty atmosphere and electronic circuits with rated operational currents I_N /AC-14 and DC-13 from 1 mA to 300 mA at 3 V to 60 V. Hard gold-plated contacts. No positively driven operation 1 NO + 1 NC standard auxiliary switches: For technical data, see page 3/55. | 1 | 1 | 1 | 1 | 3RH19 21-1FE22 | |
|---------------------------------|--|---|---|---|---|----------------|--|

For internal circuit diagrams, see page 3/84.
For position of terminals, see page 3/88.

- 1) Can only be used if no 4-pole auxiliary contact blocks are snapped onto the front. Note the location digit.
- 2) Cannot be used for 3RT11 2 weld-free contactors, size S0 (see Part 5).

3RT1 Contactors with Screw Connections

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Accessories

| For contactors Type | Auxiliary contacts | Rated control supply voltage $U_s^{3)}$ | Time setting range t s | Order No. | Price 1 unit | Weight approx. kg |
|---------------------|--------------------|---|-----------------------------|-----------|-----------------|----------------------|
|---------------------|--------------------|---|-----------------------------|-----------|-----------------|----------------------|

Solid-state, time-delay auxiliary switch blocks Terminal designations acc. to DIN 46 199 Part 5

Size S00

3RT19 16-2....



| • ON-delay (varistor integrated) | | | | | | |
|---|--|--|-------------------------------------|--|------|--|
| 3RT1.4) | 1 NO and 1 NC | AC/DC 24 V ¹⁾ | 0.05 to 1 0.5 to 10 5 to 100 | 3RT19 16-2EJ11 3RT19 16-2EJ21 3RT19 16-2EJ31 | 0.07 | |
| | | AC 100 V to 127 V ¹⁾ | 0.05 to 1 0.5 to 10 5 to 100 | 3RT19 16-2EC11 3RT19 16-2EC21 3RT19 16-2EC31 | 0.07 | |
| | | AC 200 V to 240 V ¹⁾ | 0.05 to 1 0.5 to 10 5 to 100 | 3RT19 16-2ED11 3RT19 16-2ED21 3RT19 16-2ED31 | 0.07 | |
| • OFF-delay without auxiliary voltage (varistor integrated) | | | | | | |
| 3RT1.4) | 1 NO and 1 NC | AC/DC 24 V ¹⁾ | 0.05 to 1 0.5 to 10 5 to 100 | 3RT19 16-2FJ11 3RT19 16-2FJ21 3RT19 16-2FJ31 | 0.07 | |
| | | AC/DC 100 V to 127 V ¹⁾ | 0.05 to 1 0.5 to 10 5 to 100 | 3RT19 16-2FK11 3RT19 16-2FK21 3RT19 16-2FK31 | 0.07 | |
| | | AC/DC 200 V to 240 V ¹⁾ | 0.05 to 1 0.5 to 10 5 to 100 | 3RT19 16-2FL11 3RT19 16-2FL21 3RT19 16-2FL31 | 0.07 | |
| • Star-delta function (varistor integrated) | | | | | | |
| 3RT10 1 ⁴⁾ | 1 NO delayed and 1 NO instantaneous, interval time 50 ms | AC/DC 24 V ¹⁾ AC 100 V to 127 V ¹⁾ AC 200 V to 240 V ¹⁾ | 1.5 to 30 1.5 to 30 1.5 to 30 | 3RT19 16-2GJ51 3RT19 16-2GC51 3RT19 16-2GD51 | 0.07 | |

Sizes S0 to S3

3RT19 26-2....



| • ON-delay | | | | | | |
|---------------------------------------|--|--|-------------------------------------|--|------|--|
| 3RT10 2, 3RT10 3, 3RT10 4 | 1 NO and 1 NC | AC/DC 24 V ²⁾ | 0.05 to 1 0.5 to 10 5 to 100 | 3RT19 26-2EJ11 3RT19 26-2EJ21 3RT19 26-2EJ31 | 0.07 | |
| | | AC 100 V to 127 V ²⁾ | 0.05 to 1 0.5 to 10 5 to 100 | 3RT19 26-2EC11 3RT19 26-2EC21 3RT19 26-2EC31 | 0.07 | |
| | | AC 200 V to 240 V ²⁾ | 0.05 to 1 0.5 to 10 5 to 100 | 3RT19 26-2ED11 3RT19 26-2ED21 3RT19 26-2ED31 | 0.07 | |
| • OFF-delay without auxiliary voltage | | | | | | |
| 3RT10 2, 3RT10 3, 3RT10 4 | 1 NO and 1 NC | AC/DC 24 V ²⁾ | 0.05 to 1 0.5 to 10 5 to 100 | 3RT19 26-2FJ11 3RT19 26-2FJ21 3RT19 26-2FJ31 | 0.07 | |
| | | AC/DC 100 V to 127 V ²⁾ | 0.05 to 1 0.5 to 10 5 to 100 | 3RT19 26-2FK11 3RT19 26-2FK21 3RT19 26-2FK31 | 0.07 | |
| | | AC/DC 200 V to 240 V ²⁾ | 0.05 to 1 0.5 to 10 5 to 100 | 3RT19 26-2FL11 3RT19 26-2FL21 3RT19 26-2FL31 | 0.07 | |
| • Star-delta function | | | | | | |
| 3RT10 2, 3RT10 3, 3RT10 4 | 1 NO delayed and 1 NO instantaneous, interval time 50 ms | AC/DC 24 V ²⁾ AC 100 V to 127 V ²⁾ AC 200 V to 240 V ²⁾ | 1.5 to 30 1.5 to 30 1.5 to 30 | 3RT19 26-2GJ51 3RT19 26-2GC51 3RT19 26-2GD51 | 0.07 | |

For internal circuit diagrams, see page 3/85.
For position of terminals, see page 3/89.

- 1) The terminals for the rated control supply voltage are connected to the contactor by the integrated spring contacts of the solid-state time-delay auxiliary switch above it when this switch is mounted.
- 2) Terminals A1 and A2 for the rated control supply voltage of the solid-state time-delay auxiliary switch must be connected to the adjacent contactor by means of connecting leads.

- 3) The AC voltages are valid for 50 Hz and 60 Hz.
- 4) Cannot be fitted onto coupling relays.



| For contactors | Rated control supply voltage U_s | Time setting range t | Order No. | Price | Weight approx. | Packing |
|----------------|------------------------------------|------------------------|-----------|--------|----------------|---------|
| Type | | s | | 1 unit | kg | Units |

Solid-state time-delay blocks with semiconductor output

Size S00

For mounting onto the front of the contactors

• ON-delay (varistor integrated)

3RT19 16-2C



| | | | | | | |
|--------------------|---------------------|------------------------------------|---|--|-------|---|
| 3RT1 ¹⁾ | AC/DC 24 V to 66 V | 0.05 to 1 0.5 to 10 5 to 100 | 3RT19 16-2CG11 3RT19 16-2CG21 3RT19 16-2CG31 | | 0.035 | 1 |
| | AC/DC 90 V to 240 V | 0.05 to 1 0.5 to 10 5 to 100 | 3RT19 16-2CH11 3RT19 16-2CH21 3RT19 16-2CH31 | | 0.035 | 1 |

• OFF-delay with auxiliary voltage (varistor integrated)

3RT19 16-2D



| | | | | | | |
|--------------------|---------------------|------------------------------------|---|--|-------|---|
| 3RT1 ¹⁾ | AC/DC 24 V to 66 V | 0.05 to 1 0.5 to 10 5 to 100 | 3RT19 16-2DG11 3RT19 16-2DG21 3RT19 16-2DG31 | | 0.037 | 1 |
| | AC/DC 90 V to 240 V | 0.05 to 1 0.5 to 10 5 to 100 | 3RT19 16-2DH11 3RT19 16-2DH21 3RT19 16-2DH31 | | 0.037 | 1 |

Sizes S0 to S3

For mounting onto coil terminals on top of the contactors

• ON-delay (varistor integrated)

3RT19 26-2C...



| | | | | | | |
|---|---------------------|------------------------------------|---|--|-------|---|
| 3RT10 2, 3RT10 3, 3RT10 4 ²⁾ | AC/DC 24 V to 66 V | 0.05 to 1 0.5 to 10 5 to 100 | 3RT19 26-2CG11 3RT19 26-2CG21 3RT19 26-2CG31 | | 0.035 | 1 |
| | AC/DC 90 V to 240 V | 0.05 to 1 0.5 to 10 5 to 100 | 3RT19 26-2CH11 3RT19 26-2CH21 3RT19 26-2CH31 | | 0.035 | 1 |

• OFF-delay with auxiliary voltage (varistor integrated)

3RT19 26-2D...



| | | | | | | |
|---|---------------------|------------------------------------|---|--|-------|---|
| 3RT10 2, 3RT10 3, 3RT10 4 ²⁾ | AC/DC 24 V to 66 V | 0.05 to 1 0.5 to 10 5 to 100 | 3RT19 26-2DG11 3RT19 26-2DG21 3RT19 26-2DG31 | | 0.037 | 1 |
| | AC/DC 90 V to 240 V | 0.05 to 1 0.5 to 10 5 to 100 | 3RT19 26-2DH11 3RT19 26-2DH21 3RT19 26-2DH31 | | 0.037 | 1 |

| For contactors | Design | Rated control supply voltage U_s ³⁾ | Power consumption of LED at U_s | Surge suppressor | | Weight approx. | Price |
|----------------|--------|--|-----------------------------------|-------------------------|--------|----------------|------------------------------------|
| | | | | Order No. ⁴⁾ | Price | | |
| Type | | | mW | | 1 unit | kg | per pack of 10 units ⁴⁾ |

Surge suppressors with LED (also for Cage Clamp connection)

Size S00

For plugging onto the front of contactors with or without an auxiliary switch block

3RH19 16-1L.00



| | | | | | | |
|------|--------------------------|-------------------|------------|-----------------------|------|--|
| 3RT1 | Varistor | AC 24 V to 48 V | 10 to 120 | 3RT19 16-1JJ00 | 0.01 | |
| | | DC 12 V to 24 V | | 3RT19 16-1JK00 | | |
| | | AC 48 V to 127 V | 20 to 470 | 3RT19 16-1JL00 | | |
| | | DC 24 V to 70 V | | 3RT19 16-1JP00 | | |
| 3RT1 | Suppression diode | DC 24 V to 70 V | 20 to 470 | 3RT19 16-1LM00 | 0.01 | |
| | | DC 50 V to 150 V | 50 to 700 | 3RT19 16-1LN00 | | |
| | | DC 150 V to 250 V | 160 to 950 | 3RT19 16-1LP00 | | |

For circuit diagrams, see page 3/87.

- 1) Cannot be fitted onto coupling relays.
2) Not to be used for 3RT10 4. contactors with $U_s \leq 42$ V.



- 3) Can be used for AC operation at 50/60 Hz. Further voltages on request.
4) For packs of 10 units, the Order No. must be supplemented with "-Z" and the order code "X90".

3RT1 Contactors with Screw Connections

SIRIUS 3R



Accessories

| For contactors | Design | Rated control supply voltage U_s 1) | Surge suppressor | | Weight approx. kg | Price per packg. of 10 units ²⁾ |
|---|---|---|-------------------------|-----------------------|----------------------|---|
| | | | Order No. ²⁾ | Price 1 unit | | |
| Type | | | | | | |
| Surge suppressors without LED (also for Cage Clamp connection) | | | | | | |
| Size S00 | | | | | | |
| For plugging onto the front of contactors with or without an auxiliary switch block | | | | | | |
|  3RT19 16-1DG00 | 3RT1. | Varistor | AC 24 V to 48 V | 3RT19 16-1BB00 | 0.01 | |
| | | | DC 24 V to 70 V | 3RT19 16-1BC00 | | |
| | | | AC 48 V to 127 V | 3RT19 16-1BD00 | | |
| | | | DC 70 V to 150 V | 3RT19 16-1BE00 | | |
| | | | AC 127 V to 240 V | 3RT19 16-1BF00 | | |
| | DC 150 V to 250 V | | | | | |
| | 3RT1. | RC element | AC 24 V to 48 V | 3RT19 16-1CB00 | 0.01 | |
| | | | DC 24 V to 70 V | 3RT19 16-1CC00 | | |
| | | | AC 48 V to 127 V | 3RT19 16-1CD00 | | |
| | | | DC 70 V to 150 V | 3RT19 16-1CE00 | | |
| AC 127 V to 240 V | 3RT19 16-1CF00 | | | | | |
| DC 150 V to 250 V | | | | | | |
| 3RT1. | Suppression diode | DC 12 V to 250 V | 3RT19 16-1DG00 | 0.01 | | |
| 3RT1. | Diode assembly (diode and Zener diode) for DC operation, short break-time | DC 12 V to 250 V | 3RT19 16-1EH00 | 0.01 | | |
| Size S0 | | | | | | |
| For plugging onto coil terminals on the top or bottom | | | | | | |
|  3RT19 26-1B.00 | 3RT1. 2 | Varistor | AC 24 V to 48 V | 3RT19 26-1BB00 | 0.01 | |
| | | | DC 24 V to 70 V | 3RT19 26-1BC00 | | |
| | | | AC 48 V to 127 V | 3RT19 26-1BD00 | | |
| | | | DC 70 V to 150 V | 3RT19 26-1BE00 | | |
| | | | AC 127 V to 240 V | 3RT19 26-1BF00 | | |
| | DC 150 V to 250 V | | | | | |
| | 3RT1. 2 | RC element | AC 24 V to 48 V | 3RT19 26-1CB00 | 0.01 | |
| | | | DC 24 V to 70 V | 3RT19 26-1CC00 | | |
| | | | AC 48 V to 127 V | 3RT19 26-1CD00 | | |
| | | | DC 70 V to 150 V | 3RT19 26-1CE00 | | |
| AC 127 V to 240 V | 3RT19 26-1CF00 | | | | | |
| DC 150 V to 250 V | | | | | | |
| 3RT1. 2 | Diode assembly for DC operation, | • for plugging onto top (e.g. for contactors with overload relay) | DC 24 V | 3RT19 26-1ER00 | 0.01 | |
| | | | DC 30 V to 250 V | 3RT19 26-1ES00 | | |
| | | • for plugging onto bottom (e.g. for fuseless load feeders) | DC 24 V | 3RT19 26-1TR00 | | |
| | | | DC 30 V to 250 V | 3RT19 26-1TS00 | | |
| | | | | | | |

1) Can be used for AC operation at 50/60 Hz. Further voltages on request.

2) For packs of 10 units, the Order No. must be supplemented with "-Z" and the order code "X90".



| For contactors | Design | Rated control supply voltage U_s ¹⁾ | Surge suppressor | | Weight approx. kg | Price per packg. |
|----------------|--------|--|-------------------------|-----------------|----------------------|---------------------|
| | | | Order No. ²⁾ | Price 1 unit | | |

Type

Surge suppressors without LED (also for Cage Clamp connection)

Sizes S2 and S3

For plugging onto coil terminals
on the top or bottom

| 3RT1. 3, 3RT1. 4 | Design | Rated control supply voltage U_s ¹⁾ | Surge suppressor | Weight approx. kg | Price per packg. | |
|---------------------|--|---|-----------------------|----------------------|------------------------|-----------------------|
| 3RT1. 3, 3RT1. 4 | Varistor | AC 24 V to 48 V | 3RT19 26-1BB00 | 0.01 | 10 units ²⁾ | |
| | | DC 24 V to 70 V | | | | |
| | | AC 48 V to 127 V | 3RT19 26-1BC00 | | | |
| | | DC 70 V to 150 V | | | | |
| | | AC 127 V to 240 V | 3RT19 26-1BD00 | | | |
| | | DC 150 V to 250 V | | | | |
| 3RT1. 3, 3RT1. 4 | RC element | AC 24 V to 48 V | 3RT19 36-1CB00 | 0.01 | 5 units ²⁾ | |
| | | DC 24 V to 70 V | | | | |
| | | AC 48 V to 127 V | 3RT19 36-1CC00 | | | |
| | | DC 70 V to 150 V | | | | |
| | | AC 127 V to 240 V | 3RT19 36-1CD00 | | | |
| | | DC 150 V to 250 V | | | | |
| 3RT1. 3, 3RT1. 4 | Diode assembly for DC operation, short break time | DC 24 V | 3RT19 36-1ER00 | 0.01 | | |
| | | • for plugging onto top (e.g. for contactors with overload relay) | DC 30 V to 250 V | | | 3RT19 36-1ES00 |
| | | • for plugging onto bottom (e.g. for fuseless load feeders) | DC 24 V | | | 3RT19 36-1TR00 |
| | | | DC 30 V to 250 V | | | 3RT19 36-1TS00 |
| | | | | | | |
| | | | | | | |

1) Can be used for AC operation at 50/60 Hz.
Further voltages on request.






2) For packs of 10 or 5 units, the Order No. must be
supplemented with "-Z" and the order code "X90".

3RT1 Contactors with Screw Connections

SIRIUS 3R



Accessories

| For contactors | Design | AC oder DC Rated control supply voltage U_s or rated operational voltage U_s | Order No. | Price | Weight approx. kg | Packing |
|---|--|--|-------------------------|--|-------------------------|----------------------|
| EMC interference suppression module, 3-phase; ≤ 5.5 kW | | | | | | |
| Size S00 | | | | | | |
| 3RT19 16-1PA. | <i>See also description on page 3/9</i> | | | | | 1 unit |
|  | 3RT10 1 | RC element (3 x 220 Ω /0.22 μ F) | 400 V 575 V 690 V | 3RT19 16-1PA1 3RT19 16-1PA2 3RT19 16-1PA3 | | 1 unit |
| | 3RT10 1 | Varistor | 400 V 575 V 690 V | 3RT19 16-1PB1 3RT19 16-1PB2 3RT19 16-1PB3 | | 1 unit |
| Additional load module (also for Cage Clamp connection) | | | | | | |
| Size S00 | | | | | | |
| 3RT19 16-1GA00 | For plugging onto the front of contactors with or without an auxiliary switch block | | | | | 1 unit ¹⁾ |
|  | 3RT1.1 | For increasing the permissible residual current and for limiting the residual voltage. Ensures safe opening of contactors with direct control via 230 V AC semiconductor outputs of SIMATIC controls. Also performs the function of a surge damping circuit. Rated voltage: AC 50/60 Hz, 180 V to 255 V. Coil voltage tolerance: 0.8 to 1.1 x U_s | | 3RT19 16-1GA00 | | 1 unit |
| Interface for control by PLC | | | | | | |
| Sizes S0 to S3 | | | | | | |
| For mounting onto the coil terminals of the contactors | | | | | | |
| 3RT19 24-1GP11 | 3RT1. 2, 3RT1. 3, 3RT1. 4 | Coil voltage tolerance DC 17 V to 30 V Power consumption: 0.5 W at DC 24 V Permissible residual current of electronics (with 0 signal): 2.5 mA Rated operational current I_g : AC-15/AC-14 at 230 V: 3 A, DC-13 at 230 V: 0.1 A With LED for indicating circuit state. With integrated varistor for damping opening surges. (For further technical data, see Part 6.) | | 3RH19 24-1GP11 | | 1 unit |
|  | | | | | | 1 unit |
| LED module for indicating contactor operation (also for Cage Clamp connection) | | | | | | |
| Sizes S0 to S3 | | | | | | |
| 3RT19 26-1QT00 mounted on contactor | 3RT1. 2, 3RT1. 3, 3RT1. 4 | For snapping into the location hole of an identification label on the front of a contactor. The LED module is connected to coil terminals A1 and A2 of the contactor and indicates its energized state. Yellow LED. Rated voltage: AC/DC 24 V to 240 V, polarized. (1 pack = 5 units) | | 3RT19 26-1QT00 | | 1 packg. |
|  | | | | | | 1 packg. |
| Auxiliary conductor terminal, 3-pole | | | | | | |
| Size S3 | | | | | | |
| 3RT19 46-4F | 3RT1. 4. | For connecting auxiliary and control leads to the main conductor terminals (for one side) | | 3RT19 46-4F | | 1 unit |
|  | | | | | | 1 unit |

1) For packs of 10 units, the Order No. must be supplemented with "-Z" and the order code "X90".
Price per packing of 10 units:



| For contactors Type | Design | Order No. | Price | Weight approx. | Packing |
|---------------------|--------|-----------|--------|----------------|---------|
| | | | 1 pack | kg | |

Solder pin adapter for contactors



Size S00

3RT1.1 Installation kit for soldering contactors onto a printed circuit board.
1 pack contains 8 parts for 4 contactors.

3RT19 16-4KA1

1 packg.

Solder pin adapter for contactors with a mounted, 4-pole auxiliary switch block



Size S00

3RT1.1 Installation kit for soldering contactors with an auxiliary switch block onto a printed circuit board.
1 pack contains 16 parts for 4 contactors and 4 auxiliary switch blocks.

3RT19 16-4KA2

1 packg.

| Size | For contactors Type | Max. rated operational currents $I_e/AC-1$ (at 60 °C) of the contactors A | Max. conductor cross-sections mm ² | Order No. | Price | Weight approx. | Packing |
|------|---------------------|---|---|-----------|--------|----------------|---------|
| | | | | | 1 unit | kg | Units |

Links for paralleling

3RT19 46-4BB31



3-pole, with terminal¹⁾²⁾

| | | | | | | | |
|------------|----------|-----|--------------|-----------------------|--|--|---|
| S00 | 3RT10 1. | 50 | 25 | 3RT19 16-4BB31 | | | 1 |
| S0 | 3RT10 2. | 75 | 35, stranded | 3RT19 26-4BB31 | | | 1 |
| S2 | 3RT10 3. | 138 | 95 | 3RT19 36-4BB31 | | | 1 |
| S3 | 3RT10 4. | 250 | 185 | 3RT19 46-4BB31 | | | 1 |

4-pole, with terminal¹⁾

| | | | | | | | |
|------------|---------|----|----|-----------------------|--|--|---|
| S00 | 3RT1.1. | 63 | 25 | 3RT19 16-4BB41 | | | 1 |
|------------|---------|----|----|-----------------------|--|--|---|

| Size | For contactors Type | Design | Order No. | Price | Weight approx. | Packing |
|------|---------------------|--------|-----------|--------|----------------|---------|
| | | | | 1 unit | kg | Units |

Terminal covers

3RT19 36-4EA2



Terminal cover for box terminals

S2 3RT10 3 Additional shock-hazard protection for mounting onto the box terminals (2 units required per contactor)
S3 3RT10 4

3RT19 36-4EA2
3RT19 46-4EA2

0.012 1

Terminal cover for cable lug and bar connection

3RT19 46-4EA1



S3 3RT10 4 For complying with the phase clearances and as shock-hazard protection in case of a distant box terminal (2 units required per contactor)

3RT19 46-4EA1

0.028 1

1) The links for paralleling can be reduced by one pole.

2) Sizes S0 to S2:
Size S3:

The links for paralleling are insulated.
A cover plate is supplied separately packed for shock-hazard protection.

3RT1 Contactors with Cage Clamp Connections

SIRIUS 3R



Accessories

CAGE CLAMP

| For contactors | Rated operational current I_n /AC-15/AC-14 at | | | | Auxiliary contacts | | | | Order No. | Price | Weight approx. | Packing |
|----------------|---|-------|-------|-------|--------------------|--------|----|----|-----------|-------|----------------|---------|
| | 230 V | 400 V | 500 V | 690 V | Ident. no. | Design | | | | | | |
| Type | A | A | A | A | | NO | NC | NO | NC | | 1 unit | kg |

Snap-on auxiliary switch blocks acc. to EN 50 012

Size S00

3RH19 11-2HA..



For making contactors with 2, 4 or 5 auxiliary contacts

| 3RT10 1.-2...1 Ident. no. 10E | 6 | 3 | 2 | 1 | 11 E | 22 E | 23 E | 32 E | Design | Order No. | Price | Weight approx. | Packing |
|----------------------------------|---|---|---|---|------|------|------|------|--------|----------------|-------|----------------|---------|
| | | | | | – | 1 | – | – | NO | 3RH19 11-2HA01 | | 0.045 | 1 unit |
| | | | | | 1 | 2 | – | – | NC | 3RH19 11-2HA12 | | | |
| | | | | | 1 | 3 | – | – | NO | 3RH19 11-2HA13 | | | |
| | | | | | 2 | 2 | – | – | NC | 3RH19 11-2HA22 | | | |

Sizes S0 to S3

4-pole, for making contactors with 4 auxiliary contacts

| 3RT10 2, 3RT10 3, 3RT10 4 | 6 | 3 | 2 | 1 | 31 | 22 | 13 | Design | Order No. | Price | Weight approx. | Packing | |
|---------------------------------|---|---|---|---|----|----|----|--------|-----------|----------------|----------------|---------|--------|
| | | | | | 3 | 1 | – | – | NO | 3RH19 21-2HA31 | | 0.045 | 1 unit |
| | | | | | 2 | 2 | – | – | NC | 3RH19 21-2HA22 | | | |
| | | | | | 1 | 3 | – | – | NO | 3RH19 21-2HA13 | | | |

Snap-on auxiliary switch blocks acc. to EN 50 005

Size S00

3RH19 11-2FA..



2 or 4-pole auxiliary switch blocks

| 3RT1 | 6 | 3 | 2 | 1 | 20 | 11 | 02 | 11 U | Design | Order No. | Price | Weight approx. | Packing |
|------|---|---|---|---|----|----|----|------|--------|----------------|-------|----------------|---------|
| | | | | | 2 | – | – | – | NO | 3RH19 11-2FA20 | | 0.045 | 1 unit |
| | | | | | 1 | 1 | – | – | NC | 3RH19 11-2FA11 | | | |
| | | | | | – | 2 | – | – | NO | 3RH19 11-2FA02 | | | |
| | | | | | – | – | 1 | 1 | NC | 3RH19 11-2FB11 | | | |

| 3RT1 | 6 | 3 | 2 | 1 | 40 | 31 | 22 | 22 U | Design | Order No. | Price | Weight approx. | Packing |
|------|---|---|---|---|----|----|----|------|--------|----------------|-------|----------------|---------|
| | | | | | 4 | – | – | – | NO | 3RH19 11-2FA40 | | 0.045 | 1 unit |
| | | | | | 3 | 1 | – | – | NC | 3RH19 11-2FA31 | | | |
| | | | | | 2 | 2 | – | – | NO | 3RH19 11-2FA22 | | | |
| | | | | | – | – | 2 | 2 | NC | 3RH19 11-2FC22 | | | |

Sizes S0 to S3

4-pole auxiliary switch blocks

| 3RT10 2, 3RT10 3, 3RT10 4 | 6 | 3 | 2 | 1 | 40 | 31 | 22 | 04 | 22 U | Design | Order No. | Price | Weight approx. | Packing |
|---------------------------------|---|---|---|---|----|----|----|----|------|--------|----------------|-------|----------------|---------|
| | | | | | 4 | – | – | – | – | NO | 3RH19 21-2FA40 | | 0.065 | 1 unit |
| | | | | | 3 | 1 | – | – | – | NC | 3RH19 21-2FA31 | | | |
| | | | | | 2 | 2 | – | – | – | NO | 3RH19 21-2FA22 | | | |
| | | | | | – | 4 | – | – | – | NO | 3RH19 21-2FA04 | | | |
| | | | | | – | – | 2 | 2 | – | NC | 3RH19 21-2FC22 | | | |

Single-pole auxiliary switch blocks acc. to EN 50 005 and EN 50 012

(1 pack = 10 units)

| 3RT10 2, 3RT10 3, 3RT10 4 | 6 | 3 | 2 | 1 | – | 1 | – | – | – | Order No. | Price | Weight approx. | Packing |
|---------------------------------|---|---|---|---|---|---|---|---|---|----------------|-------|----------------|----------|
| | | | | | – | 1 | – | – | – | 3RH19 21-2CA10 | | 0.015 | 1 packg. |
| | | | | | – | – | 1 | – | – | 3RH19 21-2CA01 | | | |

Laterally mountable auxiliary switch blocks acc. to EN 50 012¹⁾

Sizes S0 to S3

3RH19 21-2DA11



• First laterally mountable auxiliary switch block (right or left), 2-pole

| 3RT10 2, 3RT10 3, 3RT10 4 | 6 | 3 | 2 | – | – | 1 | 1 | – | – | Order No. | Price | Weight approx. | Packing |
|---------------------------------|---|---|---|---|---|---|---|---|---|----------------|-------|----------------|---------|
| | | | | | | 1 | 1 | – | – | 3RH19 21-2DA11 | | 0.038 | 1 unit |

Size S3

• Second laterally mountable auxiliary switch block (right or left), 2-pole

| 3RT10 4 | 6 | 3 | 2 | – | – | 1 | 1 | – | – | Order No. | Price | Weight approx. | Packing |
|---------|---|---|---|---|---|---|---|---|---|----------------|-------|----------------|---------|
| | | | | | | 1 | 1 | – | – | 3RH19 21-2JA11 | | 0.038 | 1 unit |

Laterally mountable auxiliary switch blocks acc. to EN 50 005

Sizes S0 to S3

3RH19 21-2EA..



• First laterally mountable auxiliary switch block (right or left), 2-pole

| 3RT10 2, 3RT10 3, 3RT10 4 | 6 | 3 | 2 | – | – | 2 | – | – | – | Order No. | Price | Weight approx. | Packing |
|---------------------------------|---|---|---|---|---|---|---|---|---|----------------|-------|----------------|---------|
| | | | | | | 2 | – | – | – | 3RH19 21-2EA20 | | 0.038 | 1 unit |
| | | | | | | – | 2 | – | – | 3RH19 21-2EA02 | | | |

Size S3

• Second laterally mountable auxiliary switch block (right or left), 2-pole

| 3RT10 4 | 6 | 3 | 2 | – | – | 2 | – | – | – | Order No. | Price | Weight approx. | Packing |
|---------|---|---|---|---|---|---|---|---|---|----------------|-------|----------------|---------|
| | | | | | | 2 | – | – | – | 3RH19 21-2KA20 | | 0.038 | 1 unit |
| | | | | | | – | 2 | – | – | 3RH19 21-2KA02 | | | |

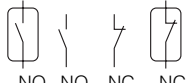
1) Can only be used if no 4-pole auxiliary contact blocks are snapped onto the front. Note the location digit.



CAGE CLAMP

Accessories

1
2
3

| For contactors | Design | Contacts | Order No. | Price | Weight approx. | Packing |
|----------------|--------|---|-----------|-------|----------------|---------|
| Type | | Design  NO NO NC NC | | | 1 unit | kg |

Solid-state compatible auxiliary switch blocks

Size S00

3RH19 11-2NF..



• For snapping onto the front of the contactors

| | | | | | | |
|---------|--|-------------------------------|---|--|-------|--------|
| 3RT10 1 | For use in dusty atmosphere and electronic circuits with rated operational currents $I_{th}/AC-14$ and DC-13 from 1 mA to 300 mA at 3 V to 60 V. Hard gold-plated contacts. No positively driven operation | 1 - - 1 2 - - - - - - 2 | 3RH19 11-2NF11 3RH19 11-2NF20 3RH19 11-2NF02 | | 0.045 | 1 unit |
|---------|--|-------------------------------|---|--|-------|--------|

Sizes S0 to S3

• For snapping onto the front of the contactors

| | | | | | | |
|---------------------------------|--|---------|-----------------------|--|--|--------|
| 3RT10 2, 3RT10 3, 3RT10 4 | 1 NO + 1 NC solid-state compatible auxiliary switches: For use in dusty atmosphere and electronic circuits with rated operational currents $I_{th}/AC-14$ and DC-13 from 1 mA to 300 mA at 3 V to 60 V. Hard gold-plated contacts. No positively driven operation 1 NO + 1 NC standard auxiliary switches: For technical data, see page 3/55. | 1 1 1 1 | 3RH19 21-2FE22 | | | 1 unit |
|---------------------------------|--|---------|-----------------------|--|--|--------|

| For units | Design | Order No. | Price | Weight approx. | Packing |
|-----------|--------|-----------|-------|----------------|---------|
| | | | | kg | |

Insulation stop for safely retaining the insulation of conductors up to 1 mm²

3RT19 16-4JA02



3RT1¹⁾ Insulation stop strip
Can be inserted into the cable entry of the Cage Clamp (2 strips required per contactor, detachable in pairs)
1 pack contains 20 strips for 10 contactors

| | | | | | |
|--|--|-----------------------|----------|------|----------|
| | | | 1 packg. | | |
| | | 3RT19 16-4JA02 | | 0.02 | 1 packg. |

Screwdrivers for opening the Cage Clamp connection

8WA2 804



All SIRIUS devices
Length approx. 100 mm; 3.5 x 0.5 (orange)
Length approx. 175 mm; 3.5 x 0.5 (green)
with a Cage Clamp connection

8WA2 803



| | | | | | |
|--|--|------------------------------------|--------|----------------|--------|
| | | | 1 unit | | |
| | | 8WA2 804 8WA2 803 | | 0.012 0.029 | 1 unit |

For surge suppressors with LED, see page 3/31.
For surge suppressors without LED, see page 3/32.
For additional load module, see page 3/34.
For LED module for indicating contactor operation, see page 3/34.


1) Fits into the cable entries of all SIRIUS 3R devices with a Cage Clamp connection.

3RT1 Contactors

SIRIUS 3R



Spare parts

| For contactors | | Rated control supply voltage U_c | With screw connections | Price | Weight approx. | With Cage Clamp connections | Price | Weight approx. |
|---|--|------------------------------------|--|--|----------------|--|--------|----------------|
| Size | Type | | Order No. | 1 unit | kg | Order No. | 1 unit | kg |
| Coils - AC operation | | | | | | | | |
|  <p>3RT19 24-5AF02</p> | S0 | 3RT10 2., 24 V, 50 Hz | 3RT19 24-5AB01 3RT19 24-5AD01 3RT19 24-5AH01 3RT19 24-5AF01 3RT19 24-5AP01 3RT19 24-5AV01 3RT19 24-5AC21 3RT19 24-5AD21 3RT19 24-5AH21 3RT19 24-5AG21 3RT19 24-5AN21 3RT19 24-5AL21 3RT19 24-5AK61 3RT19 24-5AP61 | 0.069 | 0.069 | 3RT19 24-5AB02 3RT19 24-5AD02 3RT19 24-5AH02 3RT19 24-5AF02 3RT19 24-5AP02 3RT19 24-5AV02 3RT19 24-5AC22 3RT19 24-5AD22 3RT19 24-5AH22 3RT19 24-5AG22 3RT19 24-5AN22 3RT19 24-5AL22 3RT19 24-5AK62 3RT19 24-5AP62 | 0.068 | |
| | | 3RT13 2., 42 V, 50 Hz | | | | | | |
| | | 3RT15 2., 48 V, 50 Hz | | | | | | |
| | | 110 V, 50 Hz | | | | | | |
| | | 230 V, 50 Hz | | | | | | |
| | | 400 V, 50 Hz | | | | | | |
| | | 24 V, 50/60 Hz | | | | | | |
| | | 42 V, 50/60 Hz | | | | | | |
| | | 48 V, 50/60 Hz | | | | | | |
| | | 110 V, 50/60 Hz | | | | | | |
| 220 V, 50/60 Hz | | | | | | | | |
| 230 V, 50/60 Hz | | | | | | | | |
| 110 V, 50 Hz/120 V, 60 Hz | | | | | | | | |
| 220 V, 50 Hz/240 V, 60 Hz | | | | | | | | |
| | S2 | 3RT10 34, 24 V, 50 Hz | 3RT19 34-5AB01 3RT19 34-5AD01 3RT19 34-5AH01 3RT19 34-5AF01 3RT19 34-5AP01 3RT19 34-5AV01 3RT19 34-5AD21 3RT19 34-5AH21 3RT19 34-5AC21 3RT19 34-5AG21 3RT19 34-5AN21 3RT19 34-5AL21 3RT19 34-5AK61 3RT19 34-5AP61 | 0.088 | 0.088 | 3RT19 34-5AB02 3RT19 34-5AD02 3RT19 34-5AH02 3RT19 34-5AF02 3RT19 34-5AP02 3RT19 34-5AV02 3RT19 34-5AD22 3RT19 34-5AH22 3RT19 34-5AC22 3RT19 34-5AG22 3RT19 34-5AN22 3RT19 34-5AL22 3RT19 34-5AK62 3RT19 34-5AP62 | 0.083 | |
| | | 42 V, 50 Hz | | | | | | |
| | | 48 V, 50 Hz | | | | | | |
| | | 110 V, 50 Hz | | | | | | |
| | | 230 V, 50 Hz | | | | | | |
| | | 400 V, 50 Hz | | | | | | |
| | | 42 V, 50/60 Hz | | | | | | |
| | | 48 V, 50/60 Hz | | | | | | |
| | | 24 V, 50/60 Hz | | | | | | |
| | | 110 V, 50/60 Hz | | | | | | |
| 220 V, 50/60 Hz | | | | | | | | |
| 230 V, 50/60 Hz | | | | | | | | |
| 110 V, 50 Hz/120 V, 60 Hz | | | | | | | | |
| 220 V, 50 Hz/240 V, 60 Hz | | | | | | | | |
| 3RT10 35, 24 V, 50 Hz | 3RT19 35-5AB01 3RT19 35-5AD01 3RT19 35-5AH01 3RT19 35-5AF01 3RT19 35-5AP01 3RT19 35-5AV01 3RT19 35-5AC21 3RT19 35-5AD21 3RT19 35-5AH21 3RT19 35-5AG21 3RT19 35-5AN21 3RT19 35-5AL21 3RT19 35-5AK61 3RT19 35-5AP61 | 0.088 | 0.088 | 3RT19 35-5AB02 3RT19 35-5AD02 3RT19 35-5AH02 3RT19 35-5AF02 3RT19 35-5AP02 3RT19 35-5AV02 3RT19 35-5AC22 3RT19 35-5AD22 3RT19 35-5AH22 3RT19 35-5AG22 3RT19 35-5AN22 3RT19 35-5AL22 3RT19 35-5AK62 3RT19 35-5AP62 | 0.083 | | | |
| 3RT10 36, 42 V, 50 Hz | | | | | | | | |
| 3RT13 3., 48 V, 50 Hz | | | | | | | | |
| 3RT15 3., 110 V, 50 Hz | | | | | | | | |
| 230 V, 50 Hz | | | | | | | | |
| 400 V, 50 Hz | | | | | | | | |
| 24 V, 50/60 Hz | | | | | | | | |
| 42 V, 50/60 Hz | | | | | | | | |
| 48 V, 50/60 Hz | | | | | | | | |
| 110 V, 50/60 Hz | | | | | | | | |
| 220 V, 50/60 Hz | | | | | | | | |
| 230 V, 50/60 Hz | | | | | | | | |
| 110 V, 50 Hz/120 V, 60 Hz | | | | | | | | |
| 220 V, 50 Hz/240 V, 60 Hz | | | | | | | | |
| | S3 | 3RT10 44, 24 V, 50 Hz | 3RT19 44-5AB01 3RT19 44-5AD01 3RT19 44-5AH01 3RT19 44-5AF01 3RT19 44-5AP01 3RT19 44-5AV01 3RT19 44-5AC21 3RT19 44-5AD21 3RT19 44-5AH21 3RT19 44-5AG21 3RT19 44-5AN21 3RT19 44-5AL21 3RT19 44-5AK61 3RT19 44-5AP61 | 0.130 | 0.130 | 3RT19 44-5AB02 3RT19 44-5AD02 3RT19 44-5AH02 3RT19 44-5AF02 3RT19 44-5AP02 3RT19 44-5AV02 3RT19 44-5AC22 3RT19 44-5AD22 3RT19 44-5AH22 3RT19 44-5AG22 3RT19 44-5AN22 3RT19 44-5AL22 3RT19 44-5AK62 3RT19 44-5AP62 | 0.123 | |
| | | 42 V, 50 Hz | | | | | | |
| | | 48 V, 50 Hz | | | | | | |
| | | 110 V, 50 Hz | | | | | | |
| | | 230 V, 50 Hz | | | | | | |
| | | 400 V, 50 Hz | | | | | | |
| | | 24 V, 50/60 Hz | | | | | | |
| | | 42 V, 50/60 Hz | | | | | | |
| | | 48 V, 50/60 Hz | | | | | | |
| | | 110 V, 50/60 Hz | | | | | | |
| 220 V, 50/60 Hz | | | | | | | | |
| 230 V, 50/60 Hz | | | | | | | | |
| 110 V, 50 Hz/120 V, 60 Hz | | | | | | | | |
| 220 V, 50 Hz/240 V, 60 Hz | | | | | | | | |
| 3RT10 45, 24 V, 50 Hz | 3RT19 45-5AB01 3RT19 45-5AD01 3RT19 45-5AH01 3RT19 45-5AF01 3RT19 45-5AP01 3RT19 45-5AV01 3RT19 45-5AC21 3RT19 45-5AD21 3RT19 45-5AH21 3RT19 45-5AG21 3RT19 45-5AN21 3RT19 45-5AL21 3RT19 45-5AK61 3RT19 45-5AP61 | 0.130 | 0.130 | 3RT19 45-5AB02 3RT19 45-5AD02 3RT19 45-5AH02 3RT19 45-5AF02 3RT19 45-5AP02 3RT19 45-5AV02 3RT19 45-5AC22 3RT19 45-5AD22 3RT19 45-5AH22 3RT19 45-5AG22 3RT19 45-5AN22 3RT19 45-5AL22 3RT19 45-5AK62 3RT19 45-5AP62 | 0.123 | | | |
| 3RT10 46, 42 V, 50 Hz | | | | | | | | |
| 3RT13 4., 48 V, 50 Hz | | | | | | | | |
| 110 V, 50 Hz | | | | | | | | |
| 230 V, 50 Hz | | | | | | | | |
| 400 V, 50 Hz | | | | | | | | |
| 24 V, 50/60 Hz | | | | | | | | |
| 42 V, 50/60 Hz | | | | | | | | |
| 48 V, 50/60 Hz | | | | | | | | |
| 110 V, 50/60 Hz | | | | | | | | |
| 220 V, 50/60 Hz | | | | | | | | |
| 230 V, 50/60 Hz | | | | | | | | |
| 110 V, 50 Hz/120 V, 60 Hz | | | | | | | | |
| 220 V, 50 Hz/240 V, 60 Hz | | | | | | | | |

3RT19 45-5AP02





| For contactors | | Rated control supply voltage U_s | With screw connections | | Price 1 unit | Weight approx. kg | With Cage Clamp connections | | Price 1 unit | Weight approx. kg |
|-----------------------------|-----------|------------------------------------|---|--|-----------------|----------------------|--|--|-----------------|----------------------|
| Size | Type | | Order No. | Order No. | | | | | | |
| Coils · DC operation | | | | | | | | | | |
| 3RT19 44-5BM42 | S2 | 3RT10 3. | 24 V 48 V 60 V 110 V 220 V 230 V | 3RT19 34-5BB41 3RT19 34-5BW41 3RT19 34-5BE41 3RT19 34-5BF41 3RT19 34-5BM41 3RT19 34-5BP41 | | 0.558 | 3RT19 34-5BB42 3RT19 34-5BW42 3RT19 34-5BE42 3RT19 34-5BF42 3RT19 34-5BM42 3RT19 34-5BP42 | | 0.557 | |
| | S3 | 3RT10 4. | 24 V 48 V 60 V 110 V 220 V 230 V | 3RT19 44-5BB41 3RT19 44-5BW41 3RT19 44-5BE41 3RT19 44-5BF41 3RT19 44-5BM41 3RT19 44-5BP41 | | 0.806 | 3RT19 44-5BB42 3RT19 44-5BW42 3RT19 44-5BE42 3RT19 44-5BF42 3RT19 44-5BM42 3RT19 44-5BP42 | | 0.924 | |



| For contactors | | Design | Order No. | Price | Weight approx. kg | Packing |
|----------------|------|--------|-----------|-------|----------------------|---------|
| Size | Type | | | | | |

Arc chutes

| | | | | | | |
|-----------|----------|---------------------|--------------------|--|--------|--------|
| | | | | | 1 unit | |
| S2 | 3RT10 3. | 1 arc chute, 3-pole | 3RT19 36-7A | | | 1 unit |
| S3 | 3RT10 4. | 1 arc chute, 3-pole | 3RT19 46-7A | | | 1 unit |

Contacts with fixing parts

| | | | | | | |
|-----------|----------------------------------|---|--|--|-------|-------|
| | | | | | 1 set | |
| S2 | 3RT10 34 3RT10 35 3RT10 36 | Main contacts (3 NO) for AC-3 utilization category | 3RT19 34-6A 3RT19 35-6A 3RT19 36-6A | | | 1 set |
| S3 | 3RT10 44 3RT10 45 3RT10 46 | Main contacts (3 NO) for AC-3 utilization category | 3RT19 44-6A 3RT19 45-6A 3RT19 46-6A | | | 1 set |
| S3 | 3RT14 46 | Main contacts (3 NO) for AC-1 utilization category (1 set = 3 moving and 6 fixed contacts with fixing parts) | 3RT19 46-6D | | | 1 set |