



3RP, 3RT19 Timing Relays

3RT19 16, 3RT19 26 timing relays
for mounting onto contactors

Selection and ordering data

| For con- tactors | Version | Time setting range t | Rated control supply voltage U_s | DT | Screw terminals | | PU (UNIT, SET, M) | PS* | PG | Weight per PU approx. | | |
|--|---|---------------------------|---------------------------------------|----------------|-----------------------|-----------------------|-------------------------|--------|--------|-----------------------------|-------|-------|
| | | | | | Order No. | Price per PU | | | | | | |
| Type | | s | V | | | | | | | kg | | |
| For size S00¹⁾ | | | | | | | | | | | | |
| Terminal designations according to EN 46199 Part 5 | | | | | | | | | | | | |
| • ON-delay (varistor integrated) | | | | | | | | | | | | |
|  3RT19 16-2... | 3RT10 1, 3RH11 | 1 NO + 1 NC | 0.05 ... 1 | 24 AC/DC | ▶ | 3RT19 16-2EJ11 | | 1 | 1 unit | 101 | 0.090 | |
| | | | 0.5 ... 10 | | | ▶ | 3RT19 16-2EJ21 | | 1 | 1 unit | 101 | 0.090 |
| | | | 5 ... 100 | | | B | 3RT19 16-2EJ31 | | 1 | 1 unit | 101 | 0.090 |
| | | | 0.05 ... 1 | 100 ... 127 AC | C | 3RT19 16-2EC11 | | 1 | 1 unit | 101 | 0.090 | |
| | | | 0.5 ... 10 | | | ▶ | 3RT19 16-2EC21 | | 1 | 1 unit | 101 | 0.090 |
| | | | 5 ... 100 | | | ▶ | 3RT19 16-2EC31 | | 1 | 1 unit | 101 | 0.090 |
| | | | 0.05 ... 1 | 200 ... 240 AC | D | 3RT19 16-2ED11 | | 1 | 1 unit | 101 | 0.090 | |
| | | | 0.5 ... 10 | | | ▶ | 3RT19 16-2ED21 | | 1 | 1 unit | 101 | 0.090 |
| | | | 5 ... 100 | | | ▶ | 3RT19 16-2ED31 | | 1 | 1 unit | 101 | 0.090 |
| | • OFF-delay without auxiliary voltage (varistor integrated) ²⁾ | | | | | | | | | | | |
| | | 1 NO + 1 NC | 0.05 ... 1 | 24 AC/DC | ▶ | 3RT19 16-2FJ11 | | 1 | 1 unit | 101 | 0.090 | |
| | | | 0.5 ... 10 | | | ▶ | 3RT19 16-2FJ21 | | 1 | 1 unit | 101 | 0.090 |
| | | | 5 ... 100 | | | ▶ | 3RT19 16-2FJ31 | | 1 | 1 unit | 101 | 0.090 |
| | | | 0.05 ... 1 | 100 ... 127 AC | C | 3RT19 16-2FK11 | | 1 | 1 unit | 101 | 0.090 | |
| | | | 0.5 ... 10 | | | ▶ | 3RT19 16-2FK21 | | 1 | 1 unit | 101 | 0.090 |
| | | 5 ... 100 | | B | 3RT19 16-2FK31 | | 1 | 1 unit | 101 | 0.090 | | |
| | | 0.05 ... 1 | 200 ... 240 AC | D | 3RT19 16-2FL11 | | 1 | 1 unit | 101 | 0.090 | | |
| | | 0.5 ... 10 | | | ▶ | 3RT19 16-2FL21 | | 1 | 1 unit | 101 | 0.090 | |
| | | 5 ... 100 | | | ▶ | 3RT19 16-2FL31 | | 1 | 1 unit | 101 | 0.090 | |
| • OFF-delay with auxiliary voltage | | | | | | | | | | | | |
| | 1 CO | 0.5 ... 10 | 24 AC/DC | B | 3RT19 16-2LJ21 | | 1 | 1 unit | 101 | 0.090 | | |
| | | | 100 ... 127 AC | B | 3RT19 16-2LC21 | | 1 | 1 unit | 101 | 0.090 | | |
| | | | 200 ... 240 AC | C | 3RT19 16-2LD21 | | 1 | 1 unit | 101 | 0.090 | | |
| • Wye-delta function (varistor integrated) | | | | | | | | | | | | |
| | 1 NO, delayed + | 1.5 ... 30 | 24 AC/DC | ▶ | 3RT19 16-2GJ51 | | 1 | 1 unit | 101 | 0.090 | | |
| | 1 NO, instantaneous, | | 100 ... 127 AC | D | 3RT19 16-2GC51 | | 1 | 1 unit | 101 | 0.090 | | |
| | dead time 50 ms | | 200 ... 240 AC | ▶ | 3RT19 16-2GD51 | | 1 | 1 unit | 101 | 0.090 | | |
| For sizes S0 to S12³⁾ | | | | | | | | | | | | |
| Terminal designations according to EN 46199 Part 5 | | | | | | | | | | | | |
| • ON-delay | | | | | | | | | | | | |
|  3RT19 26-2... | 3RT10 2, 3RT10 3, 3RT10 4 | 1 NO + 1 NC | 0.05 ... 1 | 24 AC/DC | D | 3RT19 26-2EJ11 | | 1 | 1 unit | 101 | 0.090 | |
| | | | 0.5 ... 10 | | | ▶ | 3RT19 26-2EJ21 | | 1 | 1 unit | 101 | 0.090 |
| | | | 5 ... 100 | | | A | 3RT19 26-2EJ31 | | 1 | 1 unit | 101 | 0.090 |
| | | | 0.05 ... 1 | 100 ... 127 AC | C | 3RT19 26-2EC11 | | 1 | 1 unit | 101 | 0.090 | |
| | | | 0.5 ... 10 | | | ▶ | 3RT19 26-2EC21 | | 1 | 1 unit | 101 | 0.090 |
| | | | 5 ... 100 | | D | 3RT19 26-2EC31 | | 1 | 1 unit | 101 | 0.090 | |
| | | | 0.05 ... 1 | 200 ... 240 AC | D | 3RT19 26-2ED11 | | 1 | 1 unit | 101 | 0.090 | |
| | | | 0.5 ... 10 | | | ▶ | 3RT19 26-2ED21 | | 1 | 1 unit | 101 | 0.090 |
| | | | 5 ... 100 | | B | 3RT19 26-2ED31 | | 1 | 1 unit | 101 | 0.090 | |
| | • OFF-delay without auxiliary voltage ²⁾ | | | | | | | | | | | |
| | | 1 NO + 1 NC | 0.05 ... 1 | 24 AC/DC | ▶ | 3RT19 16-2FJ11 | | 1 | 1 unit | 101 | 0.090 | |
| | | | 0.5 ... 10 | | | ▶ | 3RT19 16-2FJ21 | | 1 | 1 unit | 101 | 0.090 |
| | | | 5 ... 100 | | | ▶ | 3RT19 16-2FJ31 | | 1 | 1 unit | 101 | 0.090 |
| | | | 0.05 ... 1 | 100 ... 127 AC | C | 3RT19 16-2FK11 | | 1 | 1 unit | 101 | 0.090 | |
| | | | 0.5 ... 10 | | | ▶ | 3RT19 16-2FK21 | | 1 | 1 unit | 101 | 0.090 |
| | | 5 ... 100 | | B | 3RT19 16-2FK31 | | 1 | 1 unit | 101 | 0.090 | | |
| | | 0.05 ... 1 | 200 ... 240 AC | D | 3RT19 16-2FL11 | | 1 | 1 unit | 101 | 0.090 | | |
| | | 0.5 ... 10 | | | ▶ | 3RT19 16-2FL21 | | 1 | 1 unit | 101 | 0.090 | |
| | | 5 ... 100 | | | ▶ | 3RT19 16-2FL31 | | 1 | 1 unit | 101 | 0.090 | |
| • Wye-delta function (varistor integrated) | | | | | | | | | | | | |
| | 1 NO, delayed + | 1.5 ... 30 | 24 AC/DC | ▶ | 3RT19 16-2GJ51 | | 1 | 1 unit | 101 | 0.090 | | |
| | 1 NO, instantaneous, | | 100 ... 127 AC | D | 3RT19 16-2GC51 | | 1 | 1 unit | 101 | 0.090 | | |
| | dead time 50 ms | | 200 ... 240 AC | ▶ | 3RT19 16-2GD51 | | 1 | 1 unit | 101 | 0.090 | | |









¹⁾ The terminals for the rated control supply voltage are connected to the contactor beneath by the integrated spring-type contacts of the solid-state time-delay auxiliary switch block when mounting.

²⁾ Setting of output contacts in as-supplied state not defined (bistable relay). Application of the control voltage once results in contact changeover to the correct setting.

³⁾ The terminals A1 and A2 for the rated control supply voltage of the solid-state time-delay auxiliary switch block must be connected to the corresponding contactor by connecting cables.

3RP, 3RT19 Timing Relays

3RT19 16, 3RT19 26 timing relays for mounting onto contactors

| For con- tactors | Version | Time setting range t | Rated control supply voltage U_s | DT | Screw terminals | PU (UNIT, SET, M) | PS* | PG | Weight per PU approx. | | | | | |
|---|---|---------------------------|---------------------------------------|----|-----------------------|-------------------------|-----|--------|-----------------------------|-------|---|--------|-----|-------|
| Type | | s | | | Order No. | Price per PU | | | kg | | | | | |
| For size S00, with semiconductor output | | | | | | | | | | | | | | |
| For mounting onto the front of contactors | | | | | | | | | | | | | | |
| The electrical connection between the time-relay block and the contactor beneath is established automatically when it is snapped on. | | | | | | | | | | | | | | |
| • ON-delay, two-wire version (varistor integrated) | | | | | | | | | | | | | | |
|  3RT19 16-2C... | 3RT1. 1, 3RH11 | 0.05 ... 1 | 24 ... 66 AC/DC | B | 3RT19 16-2CG11 | | 1 | 1 unit | 101 | 0.050 | | | | |
| | | 0.5 ... 10 | | ▶ | 3RT19 16-2CG21 | | | | | | 1 | 1 unit | 101 | 0.050 |
| | | 5 ... 100 | | B | 3RT19 16-2CG31 | | | | | | 1 | 1 unit | 101 | 0.050 |
|  3RT19 16-2D... | | 0.05 ... 1 | 90 ... 240 AC/DC | D | 3RT19 16-2CH11 | | 1 | 1 unit | 101 | 0.050 | | | | |
| | | 0.5 ... 10 | | ▶ | 3RT19 16-2CH21 | | | | | | 1 | 1 unit | 101 | 0.050 |
| | | 5 ... 100 | | ▶ | 3RT19 16-2CH31 | | | | | | 1 | 1 unit | 101 | 0.050 |
| • OFF-delay with auxiliary voltage (varistor integrated) | | | | | | | | | | | | | | |
|  3RT19 16-2D... | | 0.05 ... 1 | 24 ... 66 AC/DC | C | 3RT19 16-2DG11 | | 1 | 1 unit | 101 | 0.060 | | | | |
| | | 0.5 ... 10 | | B | 3RT19 16-2DG21 | | | | | | 1 | 1 unit | 101 | 0.060 |
| | | 5 ... 100 | | B | 3RT19 16-2DG31 | | | | | | 1 | 1 unit | 101 | 0.060 |
|  3RT19 16-2D... | | 0.05 ... 1 | 90 ... 240 AC/DC | D | 3RT19 16-2DH11 | | 1 | 1 unit | 101 | 0.060 | | | | |
| | | 0.5 ... 10 | | ▶ | 3RT19 16-2DH21 | | | | | | 1 | 1 unit | 101 | 0.060 |
| | | 5 ... 100 | | B | 3RT19 16-2DH31 | | | | | | 1 | 1 unit | 101 | 0.060 |
| For sizes S0 to S3, with semiconductor output | | | | | | | | | | | | | | |
| For mounting onto coil terminals on top of the contactors | | | | | | | | | | | | | | |
| The electrical connection between the relay block and the corresponding contactor is established by screwing the two connecting pins of the time-relay block to coil terminals A1/A2 on top of the contactor. | | | | | | | | | | | | | | |
| • ON-delay, two-wire version (varistor integrated) | | | | | | | | | | | | | | |
|  3RT19 26-2C... | 3RT10 2, 3RT10 3, 3RT10 4 ¹⁾ | 0.05 ... 1 | 24 ... 66 AC/DC | D | 3RT19 26-2CG11 | | 1 | 1 unit | 101 | 0.050 | | | | |
| | | 0.5 ... 10 | | B | 3RT19 26-2CG21 | | | | | | 1 | 1 unit | 101 | 0.050 |
| | | 5 ... 100 | | D | 3RT19 26-2CG31 | | | | | | 1 | 1 unit | 101 | 0.050 |
|  3RT19 26-2C... | | 0.05 ... 1 | 90 ... 240 AC/DC | ▶ | 3RT19 26-2CH11 | | 1 | 1 unit | 101 | 0.050 | | | | |
| | | 0.5 ... 10 | | ▶ | 3RT19 26-2CH21 | | | | | | 1 | 1 unit | 101 | 0.050 |
| | | 5 ... 100 | | ▶ | 3RT19 26-2CH31 | | | | | | 1 | 1 unit | 101 | 0.050 |
| • OFF-delay with auxiliary voltage (varistor integrated) | | | | | | | | | | | | | | |
|  3RT19 26-2D... | | 0.05 ... 1 | 24 ... 66 AC/DC | D | 3RT19 26-2DG11 | | 1 | 1 unit | 101 | 0.050 | | | | |
| | | 0.5 ... 10 | | D | 3RT19 26-2DG21 | | | | | | 1 | 1 unit | 101 | 0.050 |
| | | 5 ... 100 | | D | 3RT19 26-2DG31 | | | | | | 1 | 1 unit | 101 | 0.050 |
|  3RT19 26-2D... | | 0.05 ... 1 | 90 ... 240 AC/DC | C | 3RT19 26-2DH11 | | 1 | 1 unit | 101 | 0.050 | | | | |
| | | 0.5 ... 10 | | D | 3RT19 26-2DH21 | | | | | | 1 | 1 unit | 101 | 0.050 |
| | | 5 ... 100 | | C | 3RT19 26-2DH31 | | | | | | 1 | 1 unit | 101 | 0.050 |

1) Not for 3RT10 4 contactor with 24 ... 42 V rated control supply voltage.