

3RP, 3RT19 Timing Relays

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

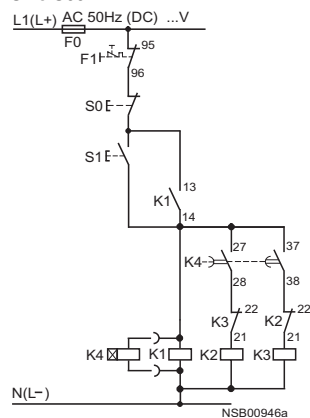
Schematics

3RT19 circuit diagrams

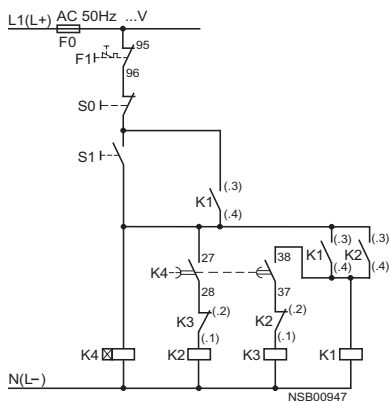
Control circuits (example circuits)
with delayed 3RT19 .6-2G wye-delta auxiliary switch block

For momentary-contact operation

Size S00

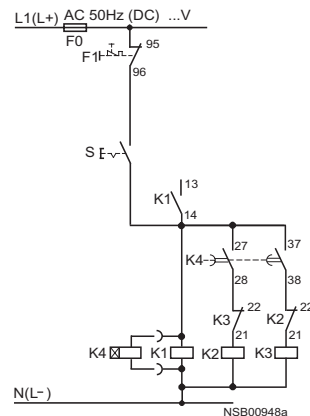


Sizes S0 to S3

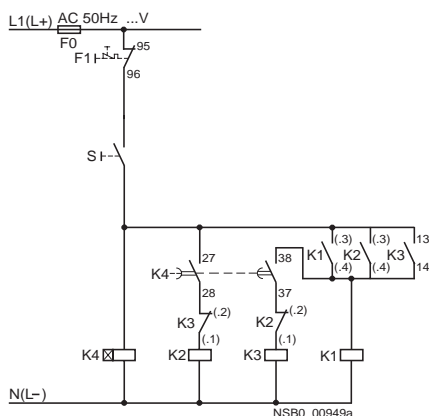


For maintained-contact operation

Size S00



Sizes S0 to S3



Legend:

- S0 "OFF" button
- S1 "ON" button
- S Maintained-contact switch
- K1 Line contactor
- K2 Star contactor
- K3 Delta contactor
- K4 Timer or timing relay
- F0 Fuse
- F1 Overload relay

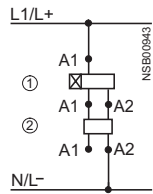
Note:

The 27/28 contact element for the solid-state time-delay auxiliary switch block with wye-delta function is only closed on the wye stage; the contact element is open in the delta stage as well as in the de-energized state.

Solid-state timing relay blocks

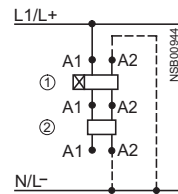
for size S00 to S3 3RT10 contactors and 3RH11 contactor relays

3RT19 16-2C



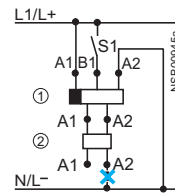
With ON-delay

3RT19 26-2C



With ON-delay

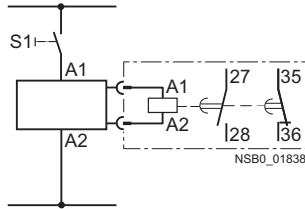
3RT19 16-2D/3RT19 26-2D



OFF-delay
(with auxiliary voltage)

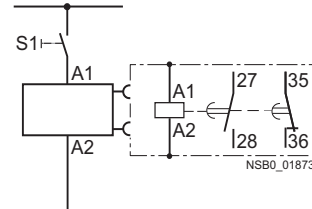
- ① Timing relay block
- ② Contactor
- can be connected
- ✖ Do not connect!

3RT19 16-2E



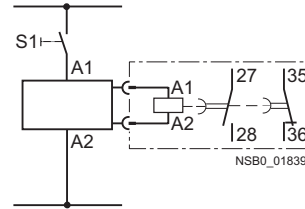
With ON-delay

3RT19 26-2E



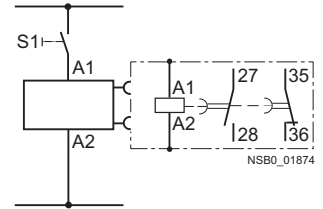
With ON-delay

3RT19 16-2F



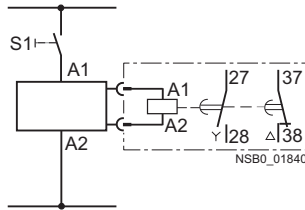
With OFF-delay
(without auxiliary voltage)

3RT19 26-2F



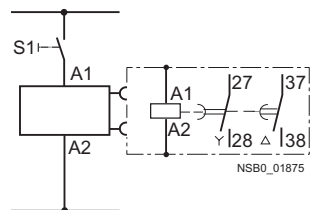
With OFF-delay
(without auxiliary voltage)

3RT19 16-2G



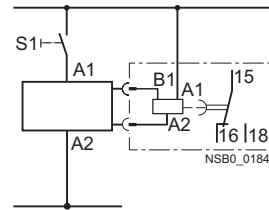
Wye-delta function

3RT19 26-2G



Wye-delta function

3RT19 16-2L



OFF-delay
(with auxiliary voltage)