

# Contactors and Contactor Assemblies

## Contactors for Switching Motors



### 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 <sup>1)</sup>	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	
	9	40	0.33	1	2	3	5	7.5	0	0	3RT10 23-1□□□0	3RT10 23-3□□□0	
S0	12	40	0.5	2	3	3	7.5	10	0	0	3RT10 24-1□□□0	3RT10 24-3□□□0	0.35/0.58
	17	40	1	3	5	5	10	15	0	0	3RT10 25-1□□□0	3RT10 25-3□□□0	
	25	40	2	3	7.5	7.5	15	20	0	0	3RT10 26-1□□□0	3RT10 26-3□□□0	
	28	50	2	5	7.5	10	20	25	0	0	3RT10 33-1□□□0	3RT10 33-3□□□0	
S2	32	50	2	5	10	10	25	30	0	0	3RT10 34-1□□□0	3RT10 34-3□□□0	0.85/1.45
	40	60	3	7.5	10	15	30	40	0	0	3RT10 35-1□□□0	3RT10 35-3□□□0	
	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

<sup>1)</sup> 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 <sup>2)</sup>	H2 <sup>3)</sup>	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	–	–	–

<sup>2)</sup> Use code **B0** for 3RT101, S00  
<sup>3)</sup> Use code **H0** for 3RT101, S00

#### DC Coil Selection for 3RT101 through 3RT104, □ = B

Coil Code	A4 <sup>4)</sup>	B4	W4	E4	F4	G4	M4
DC	12 V	24 V	48 V	60 V	110 V	125 V	220 V

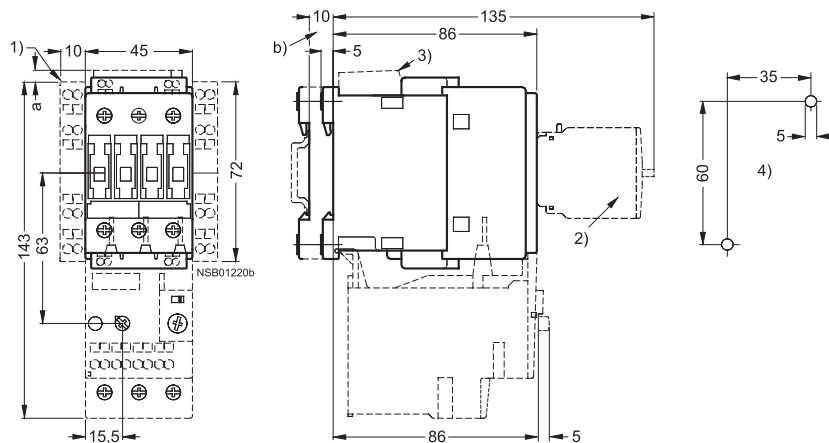
<sup>4)</sup> 3RT101 only



#### Dimension drawings

#### 3RT10 2 contactors, 3RT10 2 coupling relays

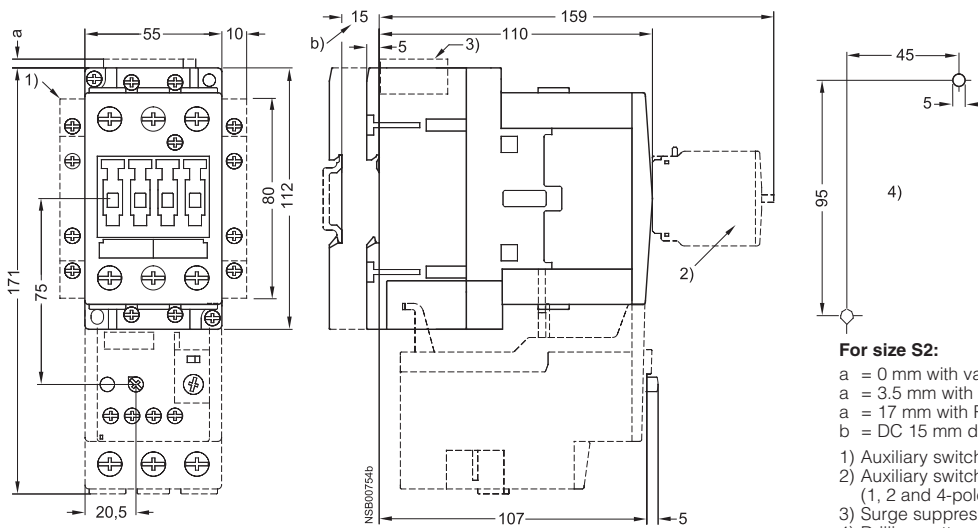
Size S0, Cage Clamp connection  
with surge suppressor, auxiliary switch blocks and mounted overload relay



- For size S0:**  
 a = 0 mm with varistor < 240 V, diode assembly  
 a = 3.5 mm with varistor > 240 V  
 a = 17 mm with RC element  
 b = DC 15 mm deeper than AC
- 1) Auxiliary switch block, laterally mountable
  - 2) Auxiliary switch block, mountable on the front (1, 2 and 4-pole)
  - 3) Surge suppressor
  - 4) Drilling pattern

#### 3RT10 3 contactors

Size S2 and NEMA Size 2, screw connection  
with surge suppressor, auxiliary switch blocks and mounted overload relay



- For size S2:**  
 a = 0 mm with varistor < 240 V, diode assembly  
 a = 3.5 mm with varistor > 240 V  
 a = 17 mm with RC element  
 b = DC 15 mm deeper than AC
- 1) Auxiliary switch block, laterally mountable
  - 2) Auxiliary switch block, mountable on the front (1, 2 and 4-pole)
  - 3) Surge suppressor
  - 4) Drilling pattern