



## 3RT / 3RA Contactors

## Rated control supply voltages

2

CONTACTORS AND ASSEMBLIES

## Selection and ordering data

Contactor type Rated control supply voltage $U_s$	3RT201 3RA211	3RT231 3RT251	3RT202 3RA212	3RT232 3RT252	3RT2617 3RT2627	3RT203 3RA213	3RT233 3RT253	3RT104 3RT134 3RT144 3RA114

S00 S00 S0 S0 S00-S2 S2 S2 S3

## Rated control supply voltages (changes to 10th and 11th positions of the Order No.)

AC Operation<sup>1)</sup>

Coils for 50 Hz (exception: size S00: 50 and 60 Hz <sup>2)</sup>	24 V AC <b>42 V AC</b> <b>48 V AC</b> <b>110 V AC</b> <b>230 V AC</b> <b>400 V AC</b>	B0 D0 H0 F0 P0 V0						
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Coils for 50 and 60 Hz <sup>2)</sup>	24 V AC <b>42 V AC</b> <b>48 V AC</b> <b>110 V AC</b> <b>208 V AC</b> <b>220 V AC</b> <b>230 V AC</b> <b>240 V AC</b>	B0 D0 H0 F0 M2 N2 P0 P2	B0 D0 H0 F0 M2 N2 L2 P2	C2 D2 H2 G2 M2 N2 L2 P2	C2 D2 H2 G2 M2 N2 L2 P2	C2 D2 H2 G2 M2 N2 L2 P2	C2 D2 H2 G2 M2 N2 L2 P2
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For USA and Canada <sup>3)</sup>	50 Hz: <b>110 V AC</b> <b>220 V AC</b> <b>277 V AC</b> <b>480 V AC</b> <b>600 V AC</b>	60 Hz: K6 P6 — V6 —	K6 P6 — V6 —	K6 P6 U6 —	K6 P6 U6 —	K6 P6 U6 —	K6 P6 U6 —	K6 P6 U6 —
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For Japan	50/60 Hz <sup>4)</sup> : <b>100 V AC</b> <b>200 V AC</b> <b>400 V AC</b>	60 Hz <sup>5)</sup> : G6 N6 R6	G6 N6 R6	G6 N6 R6	G6 N6 R6	G6 N6 R6	G6 N6 R6	G6 N6 R6
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DC Operation <sup>1)</sup>	12 V DC 24 V DC 42 V DC 48 V DC 60 V DC 72 V DC 80 V DC 110 V DC 125 V DC 220 V DC 230 V DC	A4 B4 D4 W4 E4 J8 — F4 G4 M4 P4	A4 B4 D4 W4 E4 J8 — F4 G4 M4 P4	— B4 D4 W4 E4 J8 — F4 G4 M4 P4	— — — — — — — — — — —	— — — — — — — — — — —	— — — — — — — — — — —	— — — — — — — — — — —
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Coil codes for frame sizes S6-S12 can be found on page 2/9. Further voltages on request

Rated control supply voltage $U_{s\min} \dots U_{s\max}$ <sup>6)</sup>	Contactor type --	Size S00	3RT2. 2.-.N S0	Rated control supply voltage $U_{s\min} \dots U_{s\max}$ <sup>6)</sup>	Contactor type	Size S2	3RT2. 3.-.N S3	3RT2. 2.-.N S3
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## Sizes S00 to S3

## AC/DC operation (50/60 Hz AC, DC)

21 ... 28 V AC/DC 95 ... 130 V AC/DC 200 ... 280 V AC/DC <sup>7)</sup>	-- -- --	B3 F3 P3	20 ... 33 V AC/DC 83 ... 155 V AC/DC 175 ... 280 V AC/DC	B3 F3 P3	B3 F3 P3
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<sup>1)</sup> For deviating coil voltages and coil operating ranges of sizes S00 and S0, the SITOP power 24 V DC power supply unit with wide range input (93 to 264 V AC; 30 to 264 V DC) can be used for coil excitation (For more SITOP information see section 15).

<sup>2)</sup> Coil operating range at 50 Hz: 0.8 ... 1.1 x  $U_s$   
at 60 Hz: 0.85 ... 1.1 x  $U_s$

<sup>3)</sup> Coil operating range  
Size S00: at 50 Hz: 0.85... 1.1 x  $U_s$   
at 60 Hz: 0.8 ... 1.1 x  $U_s$   
Size S0 to S3: at 50 Hz and 60 Hz: 0.8 ... 1.1 x  $U_s$

<sup>4)</sup> Coil operating range  
Size S00: at 50/60 Hz: 0.85 ... 1.1 x  $U_s$   
Size S0: at 50 Hz: 0.8 ... 1.1 x  $U_s$   
at 60 Hz: 0.85 ... 1.1 x  $U_s$

<sup>5)</sup> Coil operating range at 60 Hz: 0.8 ... 1.1 x  $U_s$

<sup>6)</sup> Coil operating range for S0: 0.7 x  $U_{s\min}$  ... 1.3 x  $U_{s\max}$   
Coil operating range for S2: 0.8 x  $U_{s\min}$  ... 1.1 x  $U_{s\max}$

<sup>7)</sup> The following applies to S0 and  $U_{s\max} = 280$  V: Upper limit = 1.1 x  $U_{s\max}$