

3RT, 3RH, 3TB, 3TC, 3TH, 3TK Contactors for Special Applications

3RT13 Contactors for Switching Resistive Loads (AC-1)

4-pole, 4 NO, 18 ... 140 A

Overview

AC and DC operation

EN 60947-4-1 (VDE 0660, Part 102).

The contactors are suitable for use in any climate. They are finger-safe according to EN 50274.

The accessories for the 3-pole SIRIUS contactors can also be used for the 4-pole versions.

The contactors are also suitable for switching mixed loads in distribution systems (e. g. for supplying heaters, lamps, motors, PC power supply units) with p.f. > 0.8 according to IEC 60947-4-1 test conditions for utilization category AC-1.

Selection and ordering data

AC operation, 4 NO contacts

PU (UNIT, SET, M)= 1
PS* = 1 unit
PG = 101



3RT13 1.-1A.00



3RT13 2.-1A.00

Rated data AC-1, T_U : 40/60 °C		DT	Screw terminals		Weight per PU approx.	DT	Cage Clamp terminals		Weight per PU approx.
Operational current I_e	Ratings of AC loads (p.f. = 0.95) at 50 Hz and 400 V		Order No.	Price per PU			Order No.	Price per PU	
A	kW	V AC			kg			kg	

For screw and snap-on mounting onto 35 mm standard mounting rail

Size S00¹⁾

18 / 16	12 / 11	24, 50/60 Hz	▶	3RT13 16-1AB00	0.200 B	3RT13 16-2AB00	0.200
		110, 50/60 Hz	▶	3RT13 16-1AF00	0.200 B	3RT13 16-2AF00	0.200
		230, 50/60 Hz	▶	3RT13 16-1AP00	0.200 B	3RT13 16-2AP00	0.200
22 / 20	14.5 / 13	24, 50/60 Hz	▶	3RT13 17-1AB00	0.200 B	3RT13 17-2AB00	0.200
		110, 50/60 Hz	▶	3RT13 17-1AF00	0.200 B	3RT13 17-2AF00	0.200
		230, 50/60 Hz	▶	3RT13 17-1AP00	0.200 B	3RT13 17-2AP00	0.200

Size S0

35 / 30 ²⁾	22 / 20	24, 50 Hz	▶	3RT13 25-1AB00	0.400	--	
		110, 50 Hz	▶	3RT13 25-1AF00	0.400	--	
		230, 50 Hz	▶	3RT13 25-1AP00	0.400	--	
40 / 35 ²⁾	26 / 23	24, 50 Hz	▶	3RT13 26-1AB00	0.400	--	
		110, 50 Hz	▶	3RT13 26-1AF00	0.400	--	
		230, 50 Hz	▶	3RT13 26-1AP00	0.400	--	

Size S2

60 / 55	39 / 36	24, 50 Hz	B	3RT13 36-1AB00	0.990	--	
		110, 50 Hz	B	3RT13 36-1AF00	0.990	--	
		230, 50 Hz	▶	3RT13 36-1AP00	0.990	--	

Size S3

110 / 100	72 / 66	24, 50 Hz	B	3RT13 44-1AB00	2.200	--	
		110, 50 Hz	B	3RT13 44-1AF00	2.200	--	
		230, 50 Hz	▶	3RT13 44-1AP00	2.200	--	
140 / 120	92 / 79	24, 50 Hz	B	3RT13 46-1AB00	2.200	--	
		110, 50 Hz	B	3RT13 46-1AF00	2.200	--	
		230, 50 Hz	▶	3RT13 46-1AP00	2.200	--	

Size S00:

Snap-on auxiliary switch blocks according to EN 50005.

Sizes S0 to S3:

Snap-on auxiliary switch blocks according to EN 50012 and EN 50005

(for S0 max. 2 auxiliary contacts, please note information in Technical Information LV 1 T).

For other voltages see page 3/26.

For accessories, see page 3/100.

For spare parts, see page 3/114.

¹⁾ For size S00: Coil operating range at 50 Hz: 0.8 ... 1.1 x U_s , at 60 Hz: 0.85 ... 1.1 x U_s .

²⁾ Minimum conductor cross-section 10 mm².

3RT, 3RH, 3TB, 3TC, 3TH, 3TK Contactors for Special Applications

3RT13 Contactors for Switching Resistive Loads (AC-1)

4-pole, 4 NO, 18 ... 140 A

DC operation · DC solenoid system, 4 NO contacts

PU (UNIT, SET, M) = 1
 PS* = 1 unit
 PG = 101



3RT13 1.-2B...0



3RT13 36-1...0



3RT13 4.-1...0

Rated data AC-1, T_U : 40/60 °C	Rated control supply voltage U_s	DT	Screw terminals	Weight per PU approx.	DT	Cage Clamp terminals	Weight per PU approx.
Operational current I_e	Ratings of AC loads (p.f. = 0.95) at 50 Hz and 400 V		Order No.	Price per PU		Order No.	Price per PU
A	kW	V DC		kg			kg

For screw and snap-on mounting onto 35 mm standard mounting rail

Size S00

18 / 16	12 / 11	24	▶	3RT13 16-1BB40	0.250	▶	3RT13 16-2BB40	0.250
		220	B	3RT13 16-1BM40	0.250	B	3RT13 16-2BM40	0.250
22 / 20	14.5 / 13	24	▶	3RT13 17-1BB40	0.250	A	3RT13 17-2BB40	0.250
		220	B	3RT13 17-1BM40	0.250	B	3RT13 17-2BM40	0.250

Size S0

35 / 30 ¹⁾	22 / 20	24	▶	3RT13 25-1BB40	0.630	--		
		220	B	3RT13 25-1BM40	0.630	--		
40 / 35 ¹⁾	26 / 23	24	▶	3RT13 26-1BB40	0.630	--		
		220	B	3RT13 26-1BM40	0.630	--		

Size S2

60 / 55	39 / 36	24	▶	3RT13 36-1BB40	1.600	--		
		220	B	3RT13 36-1BM40	1.600	--		

Size S3

110 / 100	72 / 66	24	B	3RT13 44-1BB40	3.200	--		
		220	B	3RT13 44-1BM40	3.200	--		
140 / 120	92 / 79	24	B	3RT13 46-1BB40	3.200	--		
		220	B	3RT13 46-1BM40	3.200	--		

Size S00:

Snap-on auxiliary switch blocks according to EN 50005.

Sizes S0 to S3:

Snap-on auxiliary switch blocks according to EN 50012 and EN 50005

(for S0 max. 2 auxiliary contacts, please note information in Technical Information LV 1 T).

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