Contactors for Switching Motors



3RT2 contactors

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Contactors	Type		3RT20 15	3RT20 16	3RT20 17	3RT20 18 S00		
	Size Width	mm	S00 45	S00 45	S00 45	45		
® and ® rated data	Width	111111	70	10	40	10		
Rated insulation voltage		V AC	600					
Uninterrupted current, at 40 °C	Open and enclosed	Α	20					
Maximum horsepower ratings (and approved values)								
Rated power for induction motors		00 V hp	1.5	2	3	3		
at 60 Hz		30 V hp 60 V hp	2	3 5	3 7.5	5 10		
		75 V hp	5	7.5	10	10		
Short-circuit protection ¹⁾		00 V kA	5	5	5	5		
(contactor or overload relay)	 Fuse CLASS J²⁾ Circuit breakers with overload protection according to UL 489 	A A	40 50	40 50	40 50	40 50		
Combination motor controllers type E according to UL 508			3)	3)	3)	3)		
NEMA/EEMAC ratings								
NEMA/EEMAC size						0		
Uninterrupted current	- Open - Enclosed	A A				18 18		
Rated power for induction motors		00 V hp				3		
Attent power for induction motors at 60 Hz Overload relays	2	30 V hp				3		
	5	60 V hp 75 V hp	 	/ ODD00 4		5 5		
	TypeSetting range	А	3RU21 1 0.11 16	/ 3RB30 1 / 0.1 16				
Contactors	Туре		3RT20 23	3RT20 24	3RT20 25	3RT20 26	3RT20 27	3RT20 28
	Size		S0	S0	S0	S0	S0	S0
	Width	mm	45	45	45	45	45	45
⊕ and ⊕ rated data								
Rated insulation voltage		V AC	600				600	
Rated insulation voltage Uninterrupted current, at 40 °C	Open and enclosed	V AC	600				600	
Rated insulation voltage	Open and enclosed							
Rated insulation voltage Uninterrupted current, at 40 °C Maximum horsepower ratings (⑤ and ⑥ approved values) • Rated power for induction motors	At 2	A 00 V hp	35	3	5	7.5	10	10
Rated insulation voltage Uninterrupted current, at 40 °C Maximum horsepower ratings (\$\mathbb{G}\$ and \$\mathbb{Q}\$ approved values)	At 2	А	35	3 3 7.5	5 5 10	7.5 7.5 15	42	10 10 25
Rated insulation voltage Uninterrupted current, at 40 °C Maximum horsepower ratings (③ and ④ approved values) • Rated power for induction motors at 60 Hz	At 2 2 4 5	A 00 V hp 30 V hp 60 V hp 75 V hp	2 3 5 7.5	3 7.5 10	5 10 15	7.5 15 20	10 10 20 25	10 25 25
Rated insulation voltage Uninterrupted current, at 40 °C Maximum horsepower ratings (⑤ and ⑥ approved values) • Rated power for induction motors at 60 Hz Short-circuit protection 1)	At 2 2 4 5	00 V hp 30 V hp 60 V hp 75 V hp	35 2 3 5 7.5 5	3 7.5 10 5	5 10 15	7.5 15 20	10 10 20 25 5	10 25 25 25
Rated insulation voltage Uninterrupted current, at 40 °C Maximum horsepower ratings (③ and ④ approved values) • Rated power for induction motors at 60 Hz	At 2 2 4 5	A 00 V hp 30 V hp 60 V hp 75 V hp 00 V kA A	2 3 5 7.5	3 7.5 10	5 10 15	7.5 15 20	10 10 20 25	10 25 25
Rated insulation voltage Uninterrupted current, at 40 °C Maximum horsepower ratings (⑤ and ⑥ approved values) • Rated power for induction motors at 60 Hz Short-circuit protection 1)	At 2 2 4 5 • Fuse CLASS J ²⁾ • Circuit breakers with overload	A 00 V hp 30 V hp 60 V hp 75 V hp 00 V kA A	35 2 3 5 7.5 5 45	3 7.5 10 5 45	5 10 15 5 45	7.5 15 20 5 70	10 10 20 25 5 110	10 25 25 5 110
Rated insulation voltage Uninterrupted current, at 40 °C Maximum horsepower ratings (and approved values) Rated power for induction motors at 60 Hz Short-circuit protection (contactor or overload relay)	At 2 2 4 5 • Fuse CLASS J ²⁾ • Circuit breakers with overload	A 00 V hp 30 V hp 60 V hp 75 V hp 00 V kA A A Type	35 2 3 5 7.5 5 45	3 7.5 10 5 45	5 10 15 5 45	7.5 15 20 5 70	10 10 20 25 5 110	10 25 25 5 110
Rated insulation voltage Uninterrupted current, at 40 °C Maximum horsepower ratings (and approved values) Rated power for induction motors at 60 Hz Short-circuit protection (contactor or overload relay)	At 2 2 4 5 • Fuse CLASS J ²⁾ • Circuit breakers with overload protection according to UL 489	A 00 V hp 30 V hp 60 V hp 75 V hp 00 V kA A A Type A	2 3 5 7.5 5 45 70	3 7.5 10 5 45	5 10 15 5 45	7.5 15 20 5 70	10 10 20 25 5 110	10 25 25 5 110
Rated insulation voltage Uninterrupted current, at 40 °C Maximum horsepower ratings (and approved values) Rated power for induction motors at 60 Hz Short-circuit protection (contactor or overload relay)	At 2 2 4 5 • Fuse CLASS J ²⁾ • Circuit breakers with overload protection according to UL 489	A 00 V hp 30 V hp 60 V hp 75 V hp 00 V kA A A Type A kA	2 3 5 7.5 5 45 70	3 7.5 10 5 45	5 10 15 5 45	7.5 15 20 5 70	10 10 20 25 5 110	10 25 25 5 110
Rated insulation voltage Uninterrupted current, at 40 °C Maximum horsepower ratings (and approved values) Rated power for induction motors at 60 Hz Short-circuit protection (contactor or overload relay)	At 2 2 4 5 • Fuse CLASS J ²⁾ • Circuit breakers with overload protection according to UL 489 - At 480 V	A 00 V hp 30 V hp 60 V hp 75 V hp 00 V kA A A Type A kA Type A	35 2 3 5 7.5 5 45 70 3RV20 2 3) 3RV20 2	3 7.5 10 5 45	5 10 15 5 45	7.5 15 20 5 70	10 10 20 25 5 110	10 25 25 5 110
Rated insulation voltage Uninterrupted current, at 40 °C Maximum horsepower ratings (a and a approved values) Rated power for induction motors at 60 Hz Short-circuit protection (contactor or overload relay) Combination motor controllers type E according to UL 508	At 2 2 4 5 • Fuse CLASS J ²⁾ • Circuit breakers with overload protection according to UL 489 - At 480 V	A 00 V hp 30 V hp 60 V hp 75 V hp 00 V kA A A A Type A Type	35 2 3 5 7.5 5 45 70	3 7.5 10 5 45	5 10 15 5 45	7.5 15 20 5 70	10 10 20 25 5 110	10 25 25 5 110
Rated insulation voltage Uninterrupted current, at 40 °C Maximum horsepower ratings (and approved values) Rated power for induction motors at 60 Hz Short-circuit protection (contactor or overload relay)	At 2 2 4 5 • Fuse CLASS J ²⁾ • Circuit breakers with overload protection according to UL 489 - At 480 V	A 00 V hp 30 V hp 60 V hp 75 V hp 00 V kA A A Type A kA Type A	35 2 3 5 7.5 5 45 70 3RV20 2 3) 3RV20 2	3 7.5 10 5 45	5 10 15 5 45	7.5 15 20 5 70	10 10 20 25 5 110	10 25 25 5 110
Rated insulation voltage Uninterrupted current, at 40 °C Maximum horsepower ratings (a and a approved values) Rated power for induction motors at 60 Hz Short-circuit protection (contactor or overload relay) Combination motor controllers type E according to UL 508	At 2 2 4 5 • Fuse CLASS J ²⁾ • Circuit breakers with overload protection according to UL 485 - At 480 V - At 600 V	A 00 V hp 30 V hp 60 V hp 75 V hp 00 V kA A A Type A kA Type A kA A A	35 2 3 5 7.5 5 45 70 3RV20 2 3) 3RV20 2	3 7.5 10 5 45	5 10 15 5 45	7.5 15 20 5 70	10 10 20 25 5 110 100	10 25 25 5 110
Rated insulation voltage Uninterrupted current, at 40 °C Maximum horsepower ratings (and paproved values) Rated power for induction motors at 60 Hz Short-circuit protection (contactor or overload relay) Combination motor controllers type E according to UL 508 NEMA/EEMAC ratings NEMA/EEMAC size Uninterrupted current	At 2 2 4 5 • Fuse CLASS J ²⁾ • Circuit breakers with overload protection according to UL 485 - At 480 V - At 600 V - Open - Enclosed	A 00 V hp 30 V hp 60 V hp 75 V hp 00 V kA A A Type A kA Type A kA A A	35 2 3 5 7.5 5 45 70 3RV20 2 3) 3RV20 2	3 7.5 10 5 45	5 10 15 5 45	7.5 15 20 5 70	10 10 20 25 5 110 100	10 25 25 5 110
Rated insulation voltage Uninterrupted current, at 40 °C Maximum horsepower ratings (and paproved values) Rated power for induction motors at 60 Hz Short-circuit protection (contactor or overload relay) Combination motor controllers type E according to UL 508 NEMA/EEMAC ratings NEMA/EEMAC size	At 2 2 4 5 • Fuse CLASS J ²⁾ • Circuit breakers with overload protection according to UL 489 - At 480 V - At 600 V • Open - Enclosed At 2	A 00 V hp 30 V hp 60 V hp 75 V hp 00 V kA A A Type A kA Type A kA O0 V hp 30 V hp	35 2 3 5 7.5 5 45 70 3RV20 2 3) 3RV20 2	3 7.5 10 5 45	5 10 15 5 45	7.5 15 20 5 70	10 10 20 25 5 110 100	10 25 25 5 110
Rated insulation voltage Uninterrupted current, at 40 °C Maximum horsepower ratings (⑤ and ⑥ approved values) • Rated power for induction motors at 60 Hz Short-circuit protection 1) (contactor or overload relay) • Combination motor controllers type E according to UL 508 NEMA/EEMAC ratings NEMA/EEMAC size • Uninterrupted current • Rated power for induction motors	At 2 4 5 • Fuse CLASS J ²⁾ At 6 • Circuit breakers with overload protection according to UL 489 - At 480 V - At 600 V - Open - Enclosed At 2 2 4	A 00 V hp 30 V hp 60 V hp 75 V hp 00 V kA A A Type A kA Type A kA A 00 V hp 30 V hp	35 2 3 5 7.5 5 45 70 3RV20 2 3) 3RV20 2	3 7.5 10 5 45	5 10 15 5 45	7.5 15 20 5 70	10 10 20 25 5 110 100	10 25 25 5 110
Rated insulation voltage Uninterrupted current, at 40 °C Maximum horsepower ratings (⑤ and ⑥ approved values) • Rated power for induction motors at 60 Hz Short-circuit protection 1) (contactor or overload relay) • Combination motor controllers type E according to UL 508 NEMA/EEMAC ratings NEMA/EEMAC size • Uninterrupted current • Rated power for induction motors	At 2 4 5 • Fuse CLASS J ²⁾ At 6 • Circuit breakers with overload protection according to UL 489 - At 480 V - At 600 V - Open - Enclosed At 2 2 4	A 00 V hp 30 V hp 60 V hp 75 V hp 00 V kA A A Type A kA Type A kA O0 V hp 30 V hp	35 2 3 5 7.5 5 45 70 3RV20 2 3) 3RV20 2	3 7.5 10 5 45	5 10 15 5 45	7.5 15 20 5 70	10 10 20 25 5 110 100	10 25 25 5 110

¹⁾ For more information about short-circuit values, e. g. for protection against short-circuit currents, see UL reports (http://support.automation.siemens.com) for the individual devices.

²⁾ Values for RK5 fuses on request.

³⁾ Values on request.