


Power Contactors for Switching Motors

Accessories for 3RT2 Contactors

General data

Version	Type	3RT1900-4RE01 S00, S0 connectors	3RT1916-4RD01 S00 adapters	3RT1926-4RD01 S0 adapters
Connection modules for contactors with screw terminals				
General data				
Rated insulation voltage U_i (pollution degree 3)	V	690		
Rated impulse withstand voltage U_{imp} (pollution degree 3)	kV	6		
Rated operational voltage U_e	V	440		
Rated frequency f For AC operation	Hz	50/60		
Rated operational current I_e AC-3 at 400 V	A	25	20	25
Mechanical endurance	Operating cycles	10 million		
Electrical endurance at I_e	Operating cycles	1 million		
Protective separation according to IEC 60947-1 (pollution degree 3)	V	400		
Permissible ambient temperature				
• During operation	°C	-25 ... +60		
• During storage	°C	-50 ... +80		
Degree of protection acc. to IEC 60529		IP20		
Conductor cross-sections				
Connection type		 Screw terminals		
• Solid	mm ²	1 x (0.5 ... 6)		
• Finely stranded without/with end sleeve	mm ²	1 x (0.5 ... 6)		
• Stranded	mm ²	1 x (0.5 ... 6)		
• AWG cables, solid or stranded	AWG	1 x (20 ... 10)		
• Tightening torque	Nm	0.6 ... 0.8		
• Corresponding opening tool		Short-slot screwdriver PZ2		
Ⓢ and Ⓜ rated data				
Rated operational voltage U_e	V	480		
Rated insulation voltage U_i	V	600		
Uninterrupted current, at 40 °C	A	16/25	16	25
Short-circuit protection ¹⁾				
• At 600 V	kA	5		
• CLASS RK5 fuse	A	100	60	100
• Circuit breakers with overload protection acc. to UL 489	A	100	60	100
Combination motor controllers type E according to UL 508				
	At 480 V	Type		
		A	3RV20 2	
		kA	22	--
		kA	65	--
	At 600 V	Type		
		A	3RV20 2	
		kA	22	--
		kA	10	--

¹⁾ For more information about short-circuit values, e.g. for protection against short-circuit currents, see the [UL guide \(Order No.: A5E02118883\)](#) or [UL reports \(www.siemens.com/sirius/manuals\)](http://www.siemens.com/sirius/manuals) for the individual devices.