

Protection Equipment

Motor Starter Protectors/Circuit Breakers

Introduction



Type	3RV10			3RV13					
SIRIUS 3RV1 molded case motor starter protectors up to 800 A									
Applications									
• Motor protection	✓			--					
• Starter combinations	--			✓					
Switching capacity	Standard switching capacity			Standard switching capacity				Increased switching capacity	
Size	3RV1063	3RV1073	3RV1083	3RV1353	3RV1363	3RV1373	3RV1383	3RV1364	3RV1374
Rated current I_n	A 100 ... 200	400	630	1 ... 32	100 ... 250	400, 630	630, 800	100 ... 250	400
Rated operational voltage U_e according to IEC	V 690 AC			690 AC					
Rated frequency	Hz 50/60			50/60					
Trip class	CLASS 10A, 10, 20, 30			... ¹⁾					
Thermal overload releases	A 40 ... 100 up to A 252 ... 630			Without ¹⁾					
Electronic release A multiple of the rated current	Adjustable, 6 ... 13 times			Non-adjustable 1 ... 12.5 A: 13 times; Adjustable 20 A, 32 A: 6 ... 12 times	1 ... 10 times				
Short-circuit breaking capacity I_{cu} at 400 V AC	kA 120	120	100	85	120	120	100	200	200
Trip unit (release)	TU 4			TU 1: 1 ... 12.5 A; TU 2: 20 A, 32 A	TU 3				
Pages	7/83			7/84					

Accessories									
For molded case motor starter protectors	3RV1063	3RV1073	3RV1083	3RV1353	3RV1363	3RV1373	3RV1383	3RV1364	3RV1374
Auxiliary switches	✓	✓	✓	✓	✓	✓	✓	✓	✓
Undervoltage releases	✓	✓	✓	✓	✓	✓	✓	✓	✓
Shunt releases	✓	✓	✓	✓	✓	✓	✓	✓	✓
Rotary operating mechanisms	✓	✓	✓	✓	✓	✓	✓	✓	✓
Connection methods									
• Extended terminals on the front	✓	✓	--	✓	✓	✓	--	✓	✓
• Cable terminals on the front	✓	✓	✓	✓	✓	✓	✓	✓	✓
• Rear terminals	✓	✓	✓	✓	✓	✓	✓	✓	✓
Pages	7/85, 7/86								

- ✓ Has this function or can use this accessory
 -- Does not have this function or cannot use this accessory

¹⁾ For overload protection of the motors, appropriate overload relays must be used.