

# Protection Equipment

## Introduction

## Overview



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	3RV10 63	3RV10 73	3RV10 83	3RV13 53	3RV13 63	3RV13 73	3RV13 83	3RV13 64	3RV13 74
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			-- <sup>1)</sup>					
Thermal overload release	A 40 ... 100 to A 252 ... 630			Without <sup>1)</sup>					
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				

<b>Accessories</b>									
<b>For molded case motor starter protectors</b>	3RV10 63	3RV10 73	3RV10 83	3RV13 53	3RV13 63	3RV13 73	3RV13 83	3RV13 64	3RV13 74
Auxiliary switches	✓	✓	✓	✓	✓	✓	✓	✓	✓
Undervoltage releases	✓	✓	✓	✓	✓	✓	✓	✓	✓
Shunt releases	✓	✓	✓	✓	✓	✓	✓	✓	✓
Rotary operating mechanisms	✓	✓	✓	✓	✓	✓	✓	✓	✓
Connection methods									
• Extended terminals on the front	✓	✓	--	✓	✓	✓	--	✓	✓
• Cable terminals on the front	✓	✓	✓	✓	✓	✓	✓	✓	✓
• Rear terminals	✓	✓	✓	✓	✓	✓	✓	✓	✓

✓ Has this function or can use this accessory

-- Does not have this function or cannot use this accessory

<sup>1)</sup> For overload protection of the motors, appropriate overload relays must be used.