

# 5SV RCCB

**Residual Current Circuit Breakers (RCCB's)** provide protection to human, equipment's and protection against fire caused by leakage currents or earth leakage.

## Key Features -



**Fastest tripping time -**  
tripping at leakage currents  
within 20ms



**High Endurance Cycle -**  
Ensuring efficient and long  
life of your RCCB



**Trip-free mechanism -**  
Safe disconnection



**Patented Slide Latch Release (SLR) -**  
Tool less removal



**RoHS compliant -**  
silicon and CFC free




**ISI Certified**





## Residual Current Protective Devices

### Technical Specifications – 5SV RCCBs



		Instantaneous
Standards		IS 12640 Part 1
Versions		DP and FP
Rated Voltage $U_n$	V AC	240V/415V
Rated Current $I_n$	A	25, 40, 63
Rated Residual Current $I_{\Delta n}$	mA	30, 100, 300
Minimum operational voltage for test function operation		
• 30-mA devices	V AC	195
• Non-30-mA devices	V AC	100
Test cycles		Half Yearly
Overvoltage category		III
Pollution degree		2
Terminal tightening torque		
• Up to $I_n = 63A$	Nm	2.5
Mains connection		Top or bottom
Rated frequency	Hz	50
Mounting position (on a standard mounting rail)		Any
Degree of protection		IP20, if the distribution board is installed, with connected conductors
Touch protection		Finger and back-of-hand safe
Service life	Average number of operating cycles Test cycle acc. to IEC/EN 61008	> 10000
Storage temperature	°C	-40 ... +75
Ambient temperature	°C	-25 ... +45, marked with 
Resistance to climate	Acc. to IEC 60068-2-30	28 cycles (55 °C; 95 % rel. air humidity)
CFC and silicone-free		Yes

## Ordering Data

	No. of Poles	Rating in Amp.	Sensitivity		
			30mA	100mA	300mA
	2P	25A	5SV53120RC	5SV54120RC	5SV56120RC
		40A	5SV53140RC	5SV54140RC	5SV56140RC
		63A	5SV53160RC	5SV54160RC	5SV56160RC
	4P	25A	5SV53420RC	5SV54420RC	5SV56420RC
		40A	5SV53440RC	5SV54440RC	5SV56440RC
		63A	5SV53460RC	5SV54460RC	5SV56460RC

## Residual Current Circuit Breaker

### Selection & ordering data

	No. of Poles	Rated residual current $I_{\Delta n}$ (mA)	Rated Current In (A)	Module Width	Reference No	Unit MRP*	Std. Pkg. (Nos.)
	2P	30mA	25A	2	5SV53120RC	2,775	1
		100mA			5SV54120RC	3,005	1
		300mA			5SV56120RC	3,055	1
	2P	30mA	40A	2	5SV53140RC	3,025	1
		100mA			5SV54140RC	3,175	1
		300mA			5SV56160RC	4,050	1
	2P	30mA	63A	2	5SV53160RC	3,750	1
		100mA			5SV54160RC	4,050	1
		300mA			5SV56160RC	4,050	1
	4P	30mA	25A	4	5SV53420RC	3,495	1
		100mA			5SV54420RC	3,575	1
		300mA			5SV56420RC	3,600	1
	4P	30mA	40A	4	5SV53440RC	3,700	1
		100mA			5SV54440RC	3,725	1
		300mA			5SV56460RC	4,300	1
	4P	30mA	63A	4	5SV53460RC	4,150	1
		100mA			5SV54460RC	4,300	1
		300mA			5SV56460RC	4,300	1

\*MRP - Maximum Retail Price