

Betagard 5SV

Residual Current Circuit Breakers



In the event of a fault, residual current protective devices reliably disconnect power to protect humans

Fault protection

"Protection against indirect contact"

Protects people in the event of contact with electrically conductive parts, if a risk exists as a result of a fault due to the magnitude or duration of the touch voltage



Additional protection

"Protection in case of direct contact" with $I_{\Delta n} = 30\text{mA}$

Protects individuals if they come in direct contact with an active live part under normal operating condition



Fire protection

"Protection from insulation faults" with $I_{\Delta n} = 300\text{mA}$

For the prevention of fires which can be caused by insulation faults in locations exposed to fire hazards



Surge current withstand capability

"Protection surge currents" with $8/20\mu\text{s} > 1000\text{Amp}$

For Type "A"  have a surge current capability to avoid nuisance tripping



Betagard Residual Current Circuit Breakers 5SV



- Standards: IS 12640 (Part 1):2016/ IEC 61008-1:2012
- Voltage: 240/415VAC, 50Hz
- With ISI marking: CM/L No. 7676092

Type AC, applicable in networks for AC residual currents

		Rated residual current $I_{\Delta n}$ (mA)	Rated Current I_n (A)	MW#	Reference No	Std. Pkg.** (Nos.)
	2 Pole	30	25	2	5SV43120RC	1
		100	25		5SV44120RC	1
		300	25		5SV46120RC	1
		30	40		5SV43140RC	1
		100	40		5SV44140RC	1
		300	40		5SV46140RC	1
		30	63		5SV43160RC	1
		100	63		5SV44160RC	1
		300	63		5SV46160RC	1
		30	80		5SV43170RC	1
		100	80		5SV44170RC	1
		300	80		5SV46170RC	1
	4 Pole	30	25	4	5SV43420RC	1
		100	25		5SV44420RC	1
		300	25		5SV46420RC	1
		30	40		5SV43440RC	1
		100	40		5SV44440RC	1
		300	40		5SV46440RC	1
		30	63		5SV43460RC	1
		100	63		5SV44460RC	1
		300	63		5SV46460RC	1
		30	80		5SV43470RC	1
		100	80		5SV44470RC	1
		300	80		5SV46470RC	1

Type A, applicable in networks with AC and/or pulsating DC residual currents

	2 Pole	30	25	2	5SV33126RC	1
		100	25		5SV34126RC	1
		300	25		5SV36126RC	1
		30	40		5SV33146RC	1
		100	40		5SV34146RC	1
		300	40		5SV36146RC	1
		30	63		5SV33166RC	1
		100	63		5SV34166RC	1
		300	63		5SV36166RC	1
		30	80		5SV33176RC	1
		100	80		5SV34176RC	1
		300	80		5SV36176RC	1
	4 Pole	30	25	4	5SV33426RC	1
		100	25		5SV34426RC	1
		300	25		5SV36426RC	1
		30	40		5SV33446RC	1
		100	40		5SV34446RC	1
		300	40		5SV36446RC	1
		30	63		5SV33466RC	1
		100	63		5SV34466RC	1
		300	63		5SV36466RC	1
		30	80		5SV33476RC	1
		100	80		5SV34476RC	1
		300	80		5SV36476RC	1

■ Stock items

Note:

* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm

** Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

Betagard Residual Current Circuit Breakers 5SM3

- Standards: IS 12640 (Part 1):2016/ IEC 61008-1:2012
- Voltage: 240/415VAC, 50Hz
- With ISI marking: CM/L No. 7676092

Type AC, applicable in networks for AC residual currents

	Rated residual current $I_{\Delta n}$ (mA)	Rated Current I_n (A)	MW#	Reference No	Std. Pkg.** (Nos.)
	30	100	4	5SM33480RC	1
	100	100		5SM34480RC	1
	300	100		5SM36480RC	1
	30	125		5SM33450RC	1
	100	125		5SM34450RC	1
	300	125		5SM36450RC	1
	500	125		5SM37450RC	1

Type A, applicable in networks with AC and/or pulsating DC residual currents

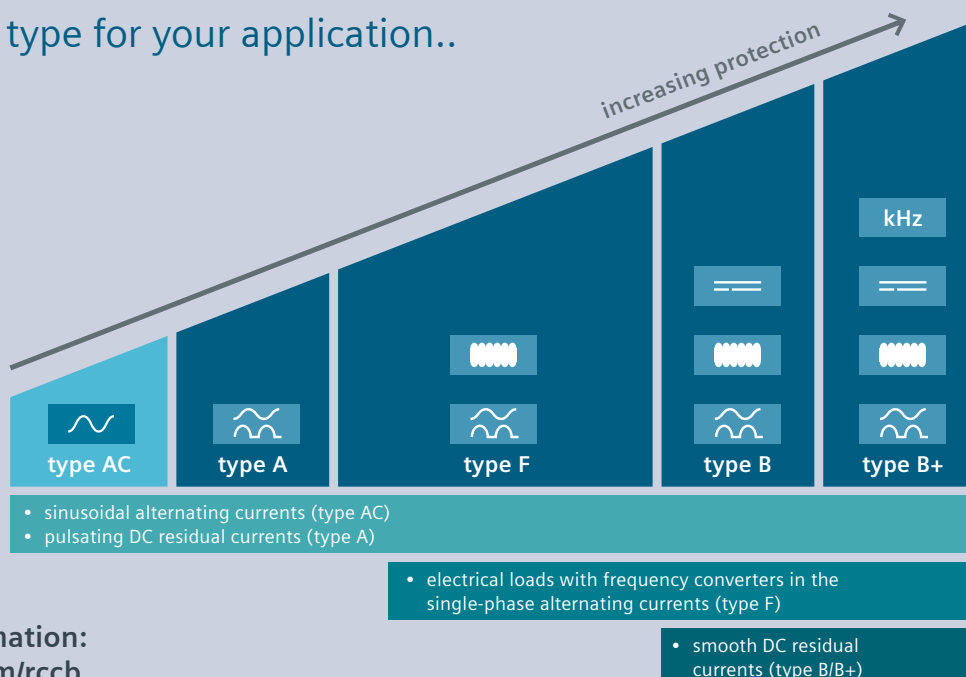
	30	100	4	5SM33486RC	1
	100	100		5SM34486RC	1
	300	100		5SM36486RC	1
	30	125		5SM33456RC	1
	100	125		5SM34456RC	1
	300	125		5SM36456RC	1
	500	125		5SM37456RC	1

Note:

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The right type for your application..



More information:
[siemens.com/rccb](https://www.siemens.com/rccb)

Betagard Residual Current Breaker Operators 5SU1, 10kA



- Standards: IS 12640, Part 2:2016/ IEC 61009-1:2012
- Voltage: 240/415Vac, 50Hz
- With ISI marking: CM/L No. 7676193

Type AC, with C Characteristics (in 2 module size)⁵

	Rated residual current $I_{\Delta n}$ (mA)	Rated Current I_n (A)	MW [#]	Reference No	Std. Pkg.** (Nos.)
	240Vac; 50Hz; 2 pole ¹⁾		2		
	30	6		5SU13541RC06	1
	30	10		5SU13541RC10	1
	30	16		5SU13541RC16	1
	30	20		5SU13541RC20	1
	30	25		5SU13541RC25	1
	30	32		5SU13541RC32	1
	30	40		5SU13541RC40	1
	300	6	2	5SU16541RC06	1
	300	10		5SU16541RC10	1
	300	16		5SU16541RC16	1
	300	20		5SU16541RC20	1
	300	25		5SU16541RC25	1
	300	32		5SU16541RC32	1
	300	40		5SU16541RC40	1

Type AC with C characteristic

	240Vac; 50Hz; 2 pole		4		
	30	32		5SU13241RC32	1
		40		5SU13241RC40	1
		63		5SU13241RC63	1
	100	32		5SU14241RC32	1
		40		5SU14241RC40	1
		63		5SU14241RC63	1
	300	32	4	5SU16241RC32	1
		40		5SU16241RC40	1
		63		5SU16241RC63	1
	415Vac; 50Hz; 4 pole		7		
	30	32		5SU13441RC32	1
		40		5SU13441RC40	1
		63		5SU13441RC63	1
	100	32		5SU14441RC32	1
		40		5SU14441RC40	1
		63		5SU14441RC63	1
	300	32	7	5SU16441RC32	1
		40		5SU16441RC40	1
		63		5SU16441RC63	1

Type AC with D characteristic

	240Vac; 50Hz; 2 pole		4		
	30	32		5SU13242RC32	1
		40		5SU13242RC40	1
		63		5SU13242RC63	1
	100	32		5SU14242RC32	1
		40		5SU14242RC40	1
		63		5SU14242RC63	1
	300	32	4	5SU16242RC32	1
		40		5SU16242RC40	1
		63		5SU16242RC63	1
	415Vac; 50Hz; 4 pole		7		
	30	32		5SU13442RC32	1
		40		5SU13442RC40	1
		63		5SU13442RC63	1
	100	32		5SU14442RC32	1
		40		5SU14442RC40	1
		63		5SU14442RC63	1
	300	32	7	5SU16442RC32	1
		40		5SU16442RC40	1
		63		5SU16442RC63	1

Note: * MRP - Maximum Retail Price

1MW (Module Width) = 18mm

¹⁾ 1P+N variant

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\$ For connecting accessories with 2P 2M RCBO add handle connector 5ST38051

Betagard Residual Current Breaker Operators 5SU1, 10kA

- Standards: IS 12640, Part 2:2016/ IEC 61009-1:2012
- Voltage: 240/415Vac, 50Hz
- With ISI marking: CM/L No. 7676193

Type A, with C Characteristics (in 2 module size)^{\$}

	Rated residual current $I_{\Delta n}$ (mA)	Rated Current I_n (A)	MW [#]	Reference No	Std. Pkg.** (Nos.)
	240Vac; 50Hz; 2 pole ¹⁾		2		
	30	6		5SU13547RC06	1
	30	10		5SU13547RC10	1
	30	16		5SU13547RC16	1
	30	20		5SU13547RC20	1
	30	25		5SU13547RC25	1
	30	32		5SU13547RC32	1
	30	40		5SU13547RC40	1
	300	6		5SU16547RC06	1
	300	10		5SU16547RC10	1
	300	16		5SU16547RC16	1
	300	20		5SU16547RC20	1
	300	25		5SU16547RC25	1
	300	32		5SU16547RC32	1
	300	40		5SU16547RC40	1

Type A with C characteristic

	240Vac; 50Hz; 2 pole		4		
	30	32		5SU13247RC32	1
		40		5SU13247RC40	1
		63		5SU13247RC63	1
	100	32		5SU14247RC32	1
		40		5SU14247RC40	1
		63		5SU14247RC63	1
	300	32		5SU16247RC32	1
		40		5SU16247RC40	1
		63		5SU16247RC63	1
	415Vac; 50Hz; 4 pole		7		
	30	32		5SU13447RC32	1
		40		5SU13447RC40	1
		63		5SU13447RC63	1
	100	32		5SU14447RC32	1
		40		5SU14447RC40	1
		63		5SU14447RC63	1
	300	32		5SU16447RC32	1
		40		5SU16447RC40	1
		63		5SU16447RC63	1

Type A with D characteristic

	240Vac; 50Hz; 2 pole		4		
	30	32		5SU13248RC32	1
		40		5SU13248RC40	1
		63		5SU13248RC63	1
	100	32		5SU14248RC32	1
		40		5SU14248RC40	1
		63		5SU14248RC63	1
	300	32		5SU16248RC32	1
		40		5SU16248RC40	1
		63		5SU16248RC63	1
	415Vac; 50Hz; 4 pole		7		
	30	32		5SU13448RC32	1
		40		5SU13448RC40	1
		63		5SU13448RC63	1
	100	32		5SU14448RC32	1
		40		5SU14448RC40	1
		63		5SU14448RC63	1
	300	32		5SU16448RC32	1
		40		5SU16448RC40	1
		63		5SU16448RC63	1

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1MW (Module Width) = 18mm

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