

Siemens SENTRON Product Information

Nine circuit protection devices: five miniature circuit breakers (5SY) and four residual current circuit breakers (5SV4). Compiled 5 October 2026 from Siemens datasheets and distributor listings.

Overview

#	Siemens code	Type	Poles	Rating	Capacity / sensitivity	Voltage
1	5SY7363-7CC	MCB	3	63 A	15 kA	400 V
2	5SY7120-7CC	MCB	1	20 A	15 kA	230/400 V
3	5SV4314-0	RCCB	2	40 A	30 mA	230 V
4	5SV4316-0	RCCB	2	63 A	30 mA	230 V
5	5SY7116-7CC	MCB	1	16 A	15 kA	230/400 V
6	5SV4342-0	RCCB	4	25 A	30 mA	400 V
7	5SY7206-7CC	MCB	2	6 A	15 kA	400 V
8	5SV4346-0	RCCB	4	63 A	30 mA	400 V
9	5SY6106-7	MCB	1	6 A	6 kA	230/400 V

Capacity / sensitivity shows the breaking capacity for MCBs (EN 60898) and the rated residual current for RCCBs.

Reading this sheet

MCB (5SY). Protects a circuit against overload and short-circuit. Curve C trips at roughly five to ten times the rated current, which suits general loads.

RCCB (5SV4). Detects earth leakage and trips at 30 mA, protecting people against electric shock. It gives **no overload or short-circuit protection**, so it must be backed by an MCB or fuse upstream.

Type AC. Designed to detect sinusoidal AC residual currents only. Loads with DC or pulsating DC leakage need Type A or higher.

Icn and Icu. Icn is the breaking capacity to EN 60898 (domestic and similar use). Icu is the higher industrial figure to IEC 60947-2.

Product details

#1 5SY7363-7CC

MCB | 3-pole

Miniature circuit breaker, 3-pole, C, 63 A, 15 kA

SENTRON 5SY7 three-pole MCB for short-circuit and overload protection of three-phase circuits up to 63 A.

Series	SENTRON 5SY7	Max. DC operating voltage	72 V
Poles	3-pole (3P)	Frequency	50/60 Hz
Tripping characteristic	C	Mechanical life	10,000 cycles
Rated current	63 A	Overvoltage cat. / pollution	III / 3
Rated voltage	400 V AC	Protection class	IP20 (conductors connected)
Breaking capacity (EN 60898)	15 kA	Installation depth	70 mm
Insulation voltage Ui	440 V	Width	3 modules (3 x 18 mm)

#2 5SY7120-7CC

MCB | 1-pole

Miniature circuit breaker, 1-pole, C, 20 A, 15 kA

SENTRON 5SY7 single-pole MCB for final circuits such as lighting and socket outlets.

Series	SENTRON 5SY7	Frequency	50 Hz
Poles	1-pole (1P)	Mechanical life	20,000 cycles
Tripping characteristic	C	Energy limiting class	3
Rated current	20 A	Power loss per pole	1.7 W
Rated voltage	230/400 V AC	Protection class	IP20 (conductors connected)
Breaking capacity (EN 60898)	15 kA	Installation depth	70 mm
Breaking capacity Icu (IEC 60947-2)	25 kA	Width	1 module (18 mm)
Insulation voltage Ui	250 V single-phase / 440 V multi-phase	Overvoltage category	III

#3 5SV4314-0

RCCB | 2-pole

RCCB, 2-pole, Type AC, 40 A, 30 mA

SENTRON 5SV4 residual current device giving protection against electric shock for people and property. It does not protect against overload or short-circuit.

Series	SENTRON 5SV4	Mounting	DIN rail
Poles	2-pole	Protection class	IP20
Fault current type	AC (instantaneous)	Terminal cross-section	0.75 - 35 mm²
Rated current	40 A	Ambient temperature	-25 to +45 °C
Rated residual current	30 mA	Installation depth	70 mm
Rated voltage	230 V AC	Width	2 modules (36 mm)
Short-circuit rating	10 kA	Weight	0.186 kg
Power loss per pole	2.6 W	Origin	Germany

#4 5SV4316-0

RCCB | 2-pole

RCCB, 2-pole, Type AC, 63 A, 30 mA

Higher-current two-pole version of the 5SV4 RCCB for single-phase distribution boards.

Series	SENTRON 5SV4	Short-circuit rating	10 kA
Poles	2-pole	Power loss per pole	5.3 W
Fault current type	AC (instantaneous)	Mounting	DIN rail
Rated current	63 A	Protection class	IP20
Rated residual current	30 mA	Installation depth	70 mm
Rated voltage	230 V AC	Width	2 modules (36 mm)

#5 5SY7116-7CC

MCB | 1-pole

Miniature circuit breaker, 1-pole, C, 16 A, 15 kA

SENTRON 5SY7 single-pole MCB, a common choice for 16 A lighting and general circuits.

Series	SENTRON 5SY7	Mechanical life	20,000 cycles
Poles	1-pole (1P)	Energy limiting class	3
Tripping characteristic	C	Power loss per pole	1.6 W
Rated current	16 A (15.04 A at 40 °C)	Impulse withstand Uimp	4 kV
Rated voltage	230/400 V AC	Protection class	IP20 (conductors connected)
Breaking capacity (EN 60898)	15 kA	Installation depth	70 mm
Breaking capacity Icu (IEC 60947-2)	25 kA	Width	1 module (18 mm)
Insulation voltage Ui	250 V single-phase / 440 V multi-phase	EAN	4001869190648
Frequency	50 Hz	Overvoltage category	III

#6 5SV4342-0

RCCB | 4-pole

RCCB, 4-pole, Type AC, 25 A, 30 mA

Four-pole (3+N) 5SV4 RCCB for three-phase installations with a 25 A rated current.

Series	SENTRON 5SV4	Impulse withstand Uimp	6 kV
Poles	4-pole (3+N)	Let-through current	5,200 A
Fault current type	AC (instantaneous)	I^2t permissible	58,000 A²s
Rated current	25 A	Power loss per pole	1.3 W
Rated residual current	30 mA	Test equipment voltage (min.)	195 V
Rated voltage	400 V AC, 50 Hz	Pollution degree	2
Short-circuit rating	10 kA (max. back-up fuse 80 A)	Mechanical life	10,000 cycles
Switching capacity (IEC 61008-1)	0.8 kA	Width	4 modules (72 mm)
Insulation voltage Ui	2,000 V	Weight	0.350 kg

#7 5SY7206-7CC

MCB | 2-pole

Miniature circuit breaker, 2-pole, C, 6 A, 15 kA

SENTRON 5SY7 two-pole MCB for low-current circuits needing both conductors switched.

Series	SENTRON 5SY7	Max. DC operating voltage	72 V
Poles	2-pole (2P)	Frequency	50/60 Hz
Tripping characteristic	C	Mechanical life	10,000 cycles
Rated current	6 A	Overvoltage cat. / pollution	III / 3
Rated voltage	400 V AC / 60 V DC	Protection class	IP20 (conductors connected)
Breaking capacity (EN 60898)	15 kA	Installation depth	70 mm
Breaking capacity Icu (IEC 60947-2)	40 kA	Dimensions (H x W x D)	90 x 36 x 76 mm
Insulation voltage Ui	440 V	Weight (approx.)	330 g

#8 5SV4346-0

RCCB | 4-pole

RCCB, 4-pole, Type AC, 63 A, 30 mA

Four-pole (3+N) 5SV4 RCCB rated 63 A, for three-phase installations with higher load currents.

Series	SENTRON 5SV4	Power loss per pole	3.9 W (max. 11.7 W total)
Poles	4-pole (3+N)	Test equipment voltage (min.)	195 V
Fault current type	AC (instantaneous)	Overvoltage category	III
Rated current	63 A	Protection class	IP20 (installed in board)
Rated residual current	30 mA	Mechanical life	10,000 cycles
Rated voltage	400 V AC	Dimensions (H x W x D)	90 x 72 x 70 mm
Short-circuit rating	10 kA	Weight	0.373 kg
Switching capacity (IEC 61008-1)	0.8 kA	EAN	4001869427942
I ² t permissible	44,880 A²s	Ambient temperature	-25 to +45 °C

#9 5SY6106-7

MCB | 1-pole

Miniature circuit breaker, 1-pole, C, 6 A, 6 kA

SENTRON 5SY6 single-pole MCB with a 6 kA rating, suited to standard domestic and light commercial circuits.

Series	SENTRON 5SY6	Mechanical life	10,000 cycles
Poles	1-pole (1P)	Overvoltage cat. / pollution	III / 3
Tripping characteristic	C	Energy limiting class	3
Rated current	6 A (5.63 A at 40 °C)	Halogen-free	Yes
Rated voltage	230/400 V AC	Installation depth	70 mm
Breaking capacity (EN 60898)	6 kA	Width	1 module (18 mm)
Insulation voltage Ui	440 V	EAN	4001869246031
Impulse withstand Uimp	4 kV	Derating	5.04 A at 55 °C

Notes

- The 7CC suffix on the MCB codes (5SY7363-7CC, 5SY7120-7CC, 5SY7116-7CC, 5SY7206-7CC) is an ordering variant. Distributors list these with the same description as the base article, so specifications here come from the base article datasheet (for example 5SY7363-7).
- One reseller lists the 5SY7363-7CC at 20 kA. The Siemens datasheet gives 15 kA to EN 60898, which is the figure used here.
- Siemens notes that RCCBs of this type are not permitted in all countries. Always follow national installation regulations.
- Prices and stock are left out because they change quickly. Confirm any value against the current Siemens datasheet before ordering or specifying.

Sources

- Siemens datasheet 5SY6106-7: [support.industry.siemens.com \(teddatasheet, mlfbs=5SY6106-7\)](https://support.industry.siemens.com/ted/datasheet,mlfbs=5SY6106-7)
- Siemens datasheet 5SY7363-7: [assets.alliedelec.com \(Datasheets/78af6a84e932798939c345f8d4d91213.pdf\)](https://assets.alliedelec.com/Datasheets/78af6a84e932798939c345f8d4d91213.pdf)
- Siemens datasheet 5SY7120-7: [us.rs-online.com \(m/d/827839ddf1232b3417b009e204477ef6.pdf\)](https://us.rs-online.com/m/d/827839ddf1232b3417b009e204477ef6.pdf)
- Siemens datasheet 5SY7116-7: [docs.steinerelectric.com \(Siemens_5SY71167_Specification_Sheet.pdf\)](https://docs.steinerelectric.com/Siemens_5SY71167_Specification_Sheet.pdf)
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- Siemens datasheet 5SV4342-0: [apim.industry.siemens.cloud \(ted/datasheet, mlfbs=5SV4342-0\)](https://apim.industry.siemens.cloud/ted/datasheet,mlfbs=5SV4342-0)
- Siemens datasheet 5SV4346-0: [jork.shop \(priloha.php?ak=90622\)](https://jork.shop/priloha.php?ak=90622)
- Product pages: electricautomationnetwork.com (5SV4314-0, 5SV4316-0, 5SV4346-0, 5SY7120-7, 5SY7116-7, 5SY7206-7)
- Product pages: kempstoncontrols.com (5SV4314-0, 5SV4342-0, 5SV4346-0); industrial.rubicon.tech (5SY7206-7CC); eibabo.us (5SY7116-7, 5SY6106-7, 5SV4316-0MB, 5SV4342-0KL)
- Siemens LV 10 catalogue (5SY miniature circuit breakers, 1 module = 18 mm): publikacje.siemens-info.com