

SIEMENS



# 5TJ

## residual current circuit breakers

SINOVA The Power of **Simplicity**

# Discover The Power of **Simplicity** with SINOVA

Backed by Siemens quality standards, SINOVA introduces exceptional ease of operation and cost-efficiency to electrical installations in buildings, utilities, industries, and infrastructure applications.

Our low-voltage electrical products offer protection, control, switching, and metering capabilities that help promote efficiency across the value chain, optimizing OPEX, CAPEX, and reducing environmental impact.

We are continuously driven to innovate and provide simple and reliable solutions. Inspired by efficiency and simplicity, we strive to empower industry professionals to streamline processes and complete projects quicker every time.



**5TJ** residual current circuit breakers

## Product **highlights**



### Extensive product range

Our residual current circuit breakers come in current ratings of 16A, 25A, 32A, 40A, and 63A. They're available with sensitivities of 30mA, 100mA, and 300mA.



### High compatibility

Compatible with 50Hz and 60Hz frequencies, catering to a wide range of needs.



### Easy to use

Our residual current circuit breakers offer flexibility in termination which includes cable, pin-type, and fork-type busbars, making them easy to use.

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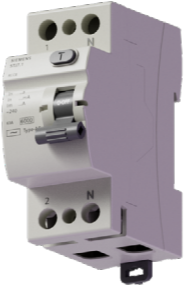
# Technical specifications

## 5TJ residual current circuit breakers

Parameters	Unit	Technical details
Standard		IEC 61008-1, IEC 61008-2-1
Number of poles		2P and 4P
Rated voltage	V AC	240/415
Rated current I <sub>n</sub>	Ampere (A)	16, 25, 32, 40 and 63
Rated frequency	Hz	50/60
Type		AC
Rated residual current / Δn	mA	30, 100 and 300
Rated conditional short-circuit current as per IEC 61008-1	kA	6
<b>Minimum operating voltage for test function</b>		
30mA	V AC	90
100mA		140
300mA		200
Pollution degree		2
Overvoltage category		III
Impulse withstand voltage	kV	4
Handle end position, sealable (sealing wire)		Yes
Degree of protection acc. to EN 60529		IP20 front
RoHS compliant		Yes
CFC and silicone-free		Yes
REACH		Yes
Terminal tightening torque, recommended	N.m	2.5...3
Conductor cross-sections	mm <sup>2</sup>	2.5...35
Bi-connect (dual) terminals		Yes (bottom only)
Busbar suitability		Both fork and pin type
Mounting position		Any
Average electrical / mechanical life		10,000/15,000 actuation
Ambient temperature	°C	- 25 ... +55 °C, max. 95% humidity Storage temperature: -25 ... +60 °C
Dimensional details Height x Width x Depth	mm	84.5 x 36 x 76 mm (2P) 84.5 x 72 x 76 mm (4P)

# Selection & ordering data

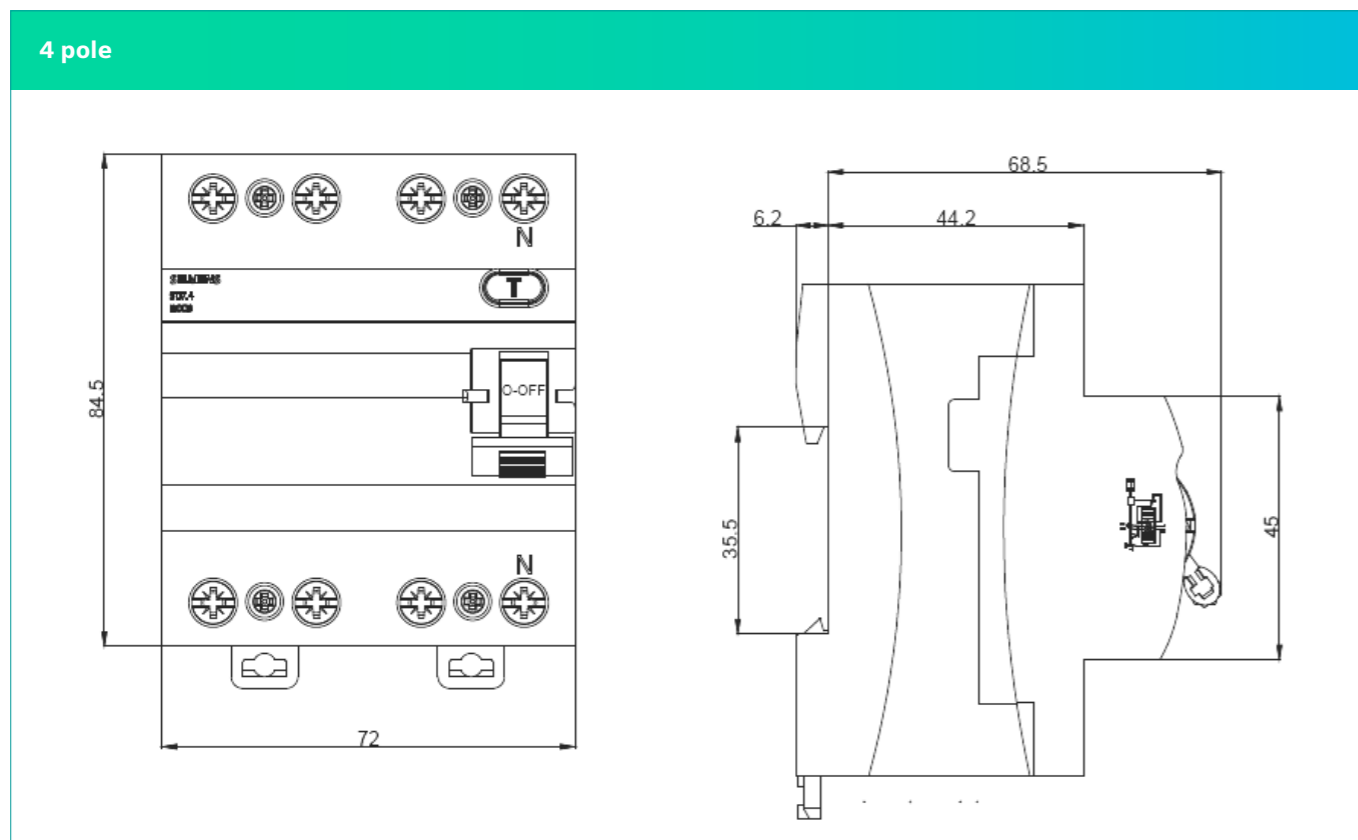
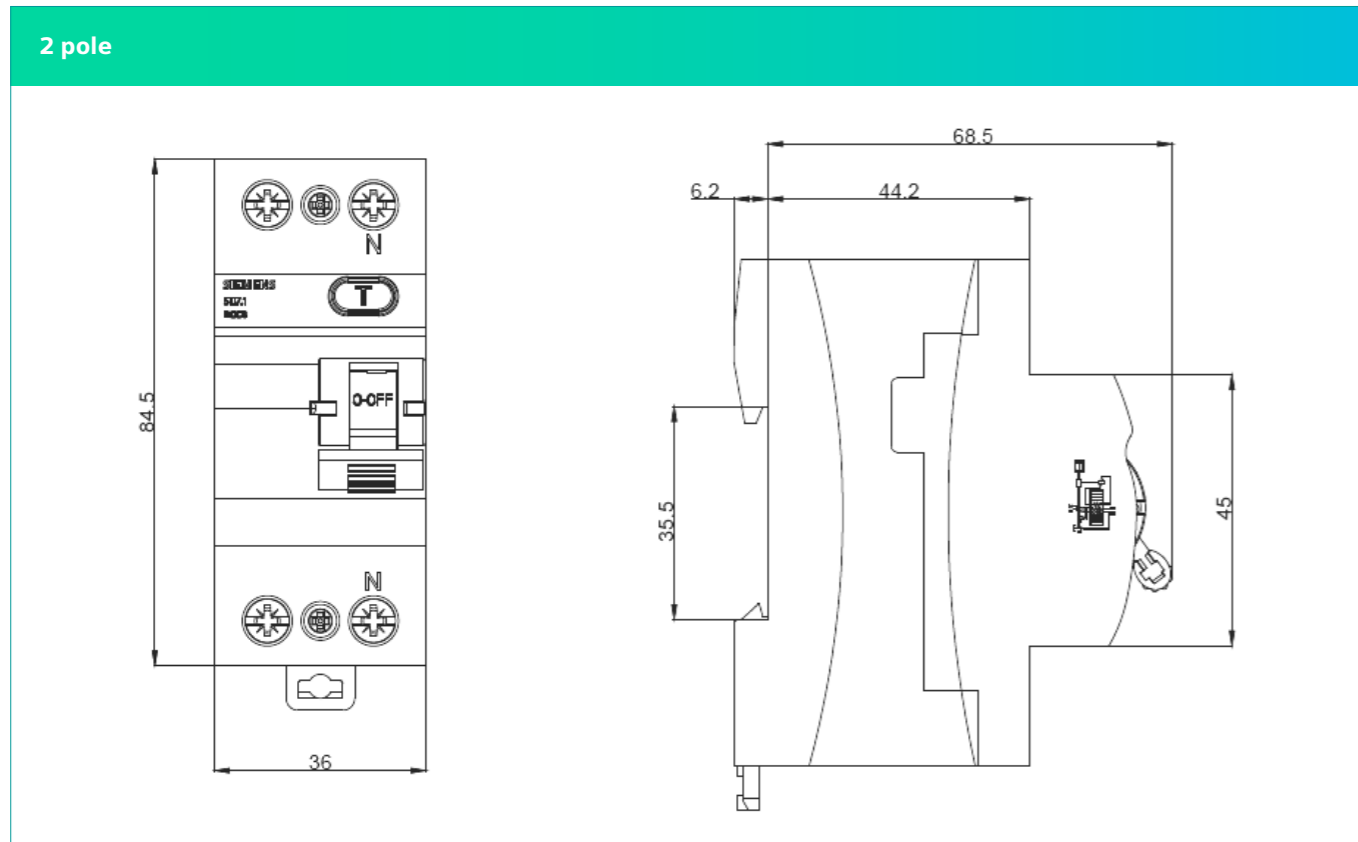
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Product	In (A)	Sensitivity			Standard packaging No. of pieces	List price per PU (Per Unit)
		30mA	100mA	300mA		
<b>2 pole</b>						
	16	5TJ7311-0	5TJ7411-0	5TJ7611-0	5	
	25	5TJ7312-0	5TJ7412-0	5TJ7612-0	5	
	32	5TJ7313-0	5TJ7413-0	5TJ7613-0	5	
	40	5TJ7314-0	5TJ7414-0	5TJ7614-0	5	
	63	5TJ7316-0	5TJ7416-0	5TJ7616-0	5	
<b>4 pole</b>						
	16	5TJ7341-0	5TJ7441-0	5TJ7641-0	3	
	25	5TJ7342-0	5TJ7442-0	5TJ7642-0	3	
	32	5TJ7343-0	5TJ7443-0	5TJ7643-0	3	
	40	5TJ7344-0	5TJ7444-0	5TJ7644-0	3	
	63	5TJ7346-0	5TJ7446-0	5TJ7646-0	3	

# Dimension drawings

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Note: All dimensions are in mm.

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The requested performance features are binding only when they are expressly agreed upon in the concluded contract.

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