



PRODUCT BROCHURE

**SINOVA 5TJ**

Miniature Circuit Breakers

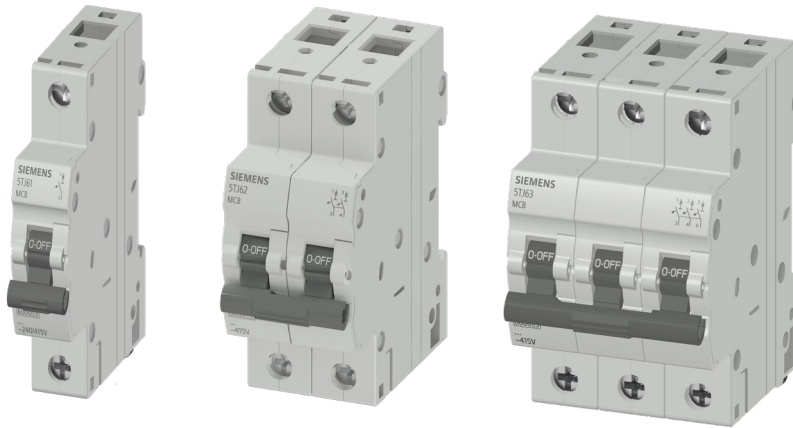
2022

Industry  
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Support



**SIEMENS**

# Key Features



SINOVA 5TJ Miniature Circuit Breakers are designed for a variety of standard applications in both residential and general industry. It is both compact in size and light weight, making it easy to install and replace. Its compact size also means less space required in distribution boards translating into overall cost savings. SINOVA 5TJ Miniature Circuit Breakers are both safe and reliable, meeting both stringent local and IEC standards.



## Bi-connect Terminals

For connecting fork type busbar on line side



## Optimum line protection

Breaking capacity 6kA/10kA available in B and C curve and 4.5kA in C curve



## Trip-free mechanism

Safe disconnection



## Longer Operational Life

Double the average electrical life of similar product range requiring less replacement.



## Energy Limiting Class- 3



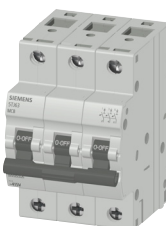
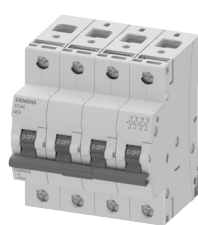
Less thermal and mechanical stress on MCB

# Technical Specification



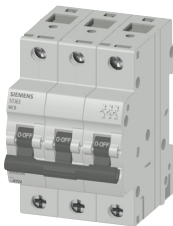

			SINOVA 5TJ MCB
Standard			IEC 60898-1: 2015
Number of poles			1P, 2P, 3P, 4P
Rated Voltage		V AC	240/415
Operational Voltage	Min Max	V AC/pole V AC	24 440
Rated Breaking Capacity	acc. to IEC 60898-1	kA AC	4.5kA, 6kA & 10kA
Tripping Characteristics			B, C (6kA & 10kA) & C (4.5kA)
Current Rating		Ampere	B curve: 6-63 (6kA & 10kA) C curve: 6-63 (4.5kA, 6kA & 10kA)
Insulation Voltage		V AC	265/456
Rated Frequency		Hz	50/60
Impulse Withstand Voltage		kV	4
Degree of Pollution for 2 Overvoltage Category III			2
Line Load Reversibility			Yes
Degree of Protection	acc. to EN 60529		IP20
ROHS Complaint			Yes
CFC and Silicone-free			Yes
REACH			Yes
Terminal Tightening Torque, recommended		N.m	2.5...3
Conductor Cross-Sections		mm <sup>2</sup>	1...25
Bi-connect (Dual) Terminals			Yes, on line side for 4.5kA and 6kA variant Yes, on both sides for 10kA variant
Busbar Suitability			Both Fork and Pin Type
Mounting Position			Any
Average Electrical/Mechanical Life			5,000/20,000 actuations
Ambient Temperature		°C	-25 ... +55 °C, max. 95% humidity storage temperature: -40 ... +75 °C
Dimensional Details H x W x D		mm	84 x 18 x 72 mm (1-pole) *Width change as no of module size increases from 1-pole...4-pole ** 1MW=18mm





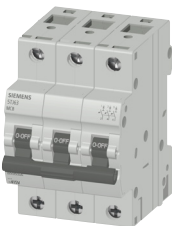
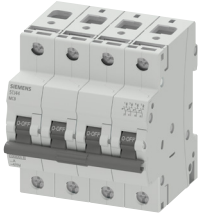
# Selection & Ordering Data

4500 A	In (A)	(MW)	Characteristic C Reference No.	Standard Packaging No. of Pieces
1P, 240/415v AC				
	6	1	5TJ3106-7	12
	10		5TJ3110-7	12
	16		5TJ3116-7	12
	20		5TJ3120-7	12
	25		5TJ3125-7	12
	32		5TJ3132-7	12
	40		5TJ3140-7	12
	50		5TJ3150-7	12
	63		5TJ3163-7	12
2P, 415V AC				
	6	2	5TJ3206-7	6
	10		5TJ3210-7	6
	16		5TJ3216-7	6
	20		5TJ3220-7	6
	25		5TJ3225-7	6
	32		5TJ3232-7	6
	40		5TJ3240-7	6
	50		5TJ3250-7	6
	63		5TJ3263-7	6
3P, 415V AC				
	6	3	5TJ3306-7	4
	10		5TJ3310-7	4
	16		5TJ3316-7	4
	20		5TJ3320-7	4
	25		5TJ3325-7	4
	32		5TJ3332-7	4
	40		5TJ3340-7	4
	50		5TJ3350-7	4
	63		5TJ3363-7	4
4P, 415V AC				
	6	4	5TJ3406-7	3
	10		5TJ3410-7	3
	16		5TJ3416-7	3
	20		5TJ3420-7	3
	25		5TJ3425-7	3
	32		5TJ3432-7	3
	40		5TJ3440-7	3
	50		5TJ3450-7	3
	63		5TJ3463-7	3

# Selection & Ordering Data

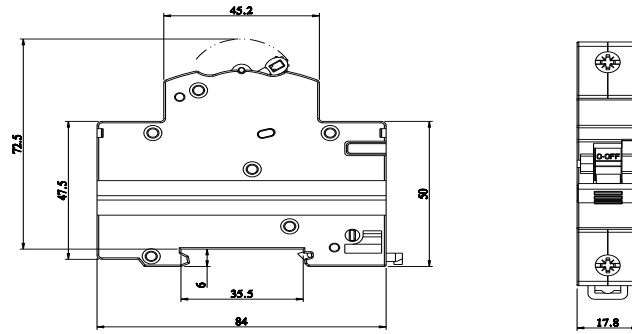
6000 A	In (A)	(MW)	Characteristic B Reference No.	Characteristic C Reference No.	Standard Packaging No. of Pieces
1P, 240/415v AC					
	6	1	5TJ6106-6	5TJ6106-7	12
	10		5TJ6110-6	5TJ6110-7	12
	16		5TJ6116-6	5TJ6116-7	12
	20		5TJ6120-6	5TJ6120-7	12
	25		5TJ6125-6	5TJ6125-7	12
	32		5TJ6132-6	5TJ6132-7	12
	40		5TJ6140-6	5TJ6140-7	12
	50		5TJ6150-6	5TJ6150-7	12
	63		5TJ6163-6	5TJ6163-7	12
2P, 415V AC					
	6	2	5TJ6206-6	5TJ6206-7	6
	10		5TJ6210-6	5TJ6210-7	6
	16		5TJ6216-6	5TJ6216-7	6
	20		5TJ6220-6	5TJ6220-7	6
	25		5TJ6225-6	5TJ6225-7	6
	32		5TJ6232-6	5TJ6232-7	6
	40		5TJ6240-6	5TJ6240-7	6
	50		5TJ6250-6	5TJ6250-7	6
	63		5TJ6263-6	5TJ6263-7	6
3P, 415V AC					
	6	3	5TJ6306-6	5TJ6306-7	4
	10		5TJ6310-6	5TJ6310-7	4
	16		5TJ6316-6	5TJ6316-7	4
	20		5TJ6320-6	5TJ6320-7	4
	25		5TJ6325-6	5TJ6325-7	4
	32		5TJ6332-6	5TJ6332-7	4
	40		5TJ6340-6	5TJ6340-7	4
	50		5TJ6350-6	5TJ6350-7	4
	63		5TJ6363-6	5TJ6363-7	4
4P, 415V AC					
	6	4	5TJ6406-6	5TJ6406-7	3
	10		5TJ6410-6	5TJ6410-7	3
	16		5TJ6416-6	5TJ6416-7	3
	20		5TJ6420-6	5TJ6420-7	3
	25		5TJ6425-6	5TJ6425-7	3
	32		5TJ6432-6	5TJ6432-7	3
	40		5TJ6440-6	5TJ6440-7	3
	50		5TJ6450-6	5TJ6450-7	3
	63		5TJ6463-6	5TJ6463-7	3

# Selection & Ordering Data

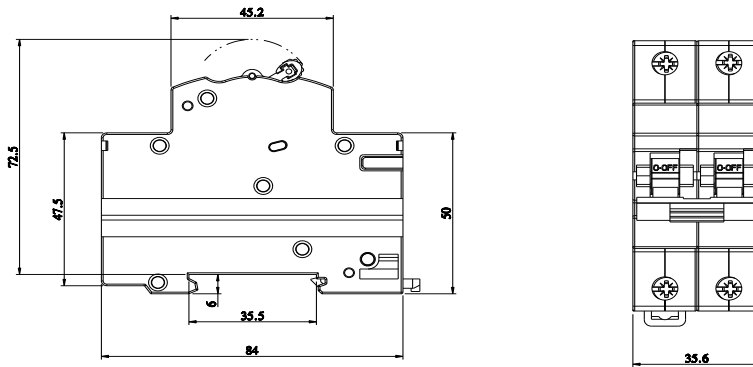
10000 A	In (A)	(MW)	Characteristic B Reference No.	Characteristic C Reference No.	Standard Packaging No. of Pieces
1P, 240/415v AC					
	6	1	5TJ4106-6	5TJ4106-7	12
	10		5TJ4110-6	5TJ4110-7	12
	16		5TJ4116-6	5TJ4116-7	12
	20		5TJ4120-6	5TJ4120-7	12
	25		5TJ4125-6	5TJ4125-7	12
	32		5TJ4132-6	5TJ4132-7	12
	40		5TJ4140-6	5TJ4140-7	12
	50		5TJ4150-6	5TJ4150-7	12
	63		5TJ4163-6	5TJ4163-7	12
2P, 415V AC					
	6	2	5TJ4206-6	5TJ4206-7	6
	10		5TJ4210-6	5TJ4210-7	6
	16		5TJ4216-6	5TJ4216-7	6
	20		5TJ4220-6	5TJ4220-7	6
	25		5TJ4225-6	5TJ4225-7	6
	32		5TJ4232-6	5TJ4232-7	6
	40		5TJ4240-6	5TJ4240-7	6
	50		5TJ4250-6	5TJ4250-7	6
	63		5TJ4263-6	5TJ4263-7	6
3P, 415V AC					
	6	3	5TJ4306-6	5TJ4306-7	4
	10		5TJ4310-6	5TJ4310-7	4
	16		5TJ4316-6	5TJ4316-7	4
	20		5TJ4320-6	5TJ4320-7	4
	25		5TJ4325-6	5TJ4325-7	4
	32		5TJ4332-6	5TJ4332-7	4
	40		5TJ4340-6	5TJ4340-7	4
	50		5TJ4350-6	5TJ4350-7	4
	63		5TJ4363-6	5TJ4363-7	4
4P, 415V AC					
	6	4	5TJ4406-6	5TJ4406-7	3
	10		5TJ4410-6	5TJ4410-7	3
	16		5TJ4416-6	5TJ4416-7	3
	20		5TJ4420-6	5TJ4420-7	3
	25		5TJ4425-6	5TJ4425-7	3
	32		5TJ4432-6	5TJ4432-7	3
	40		5TJ4440-6	5TJ4440-7	3
	50		5TJ4450-6	5TJ4450-7	3
	63		5TJ4463-6	5TJ4463-7	3

# Product Dimensions

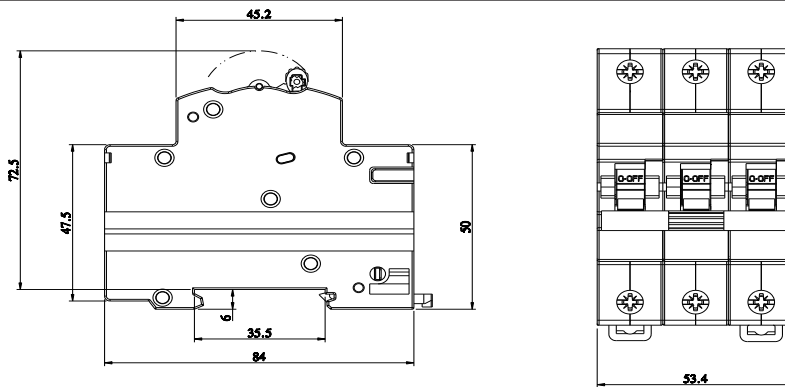
## 1 Pole



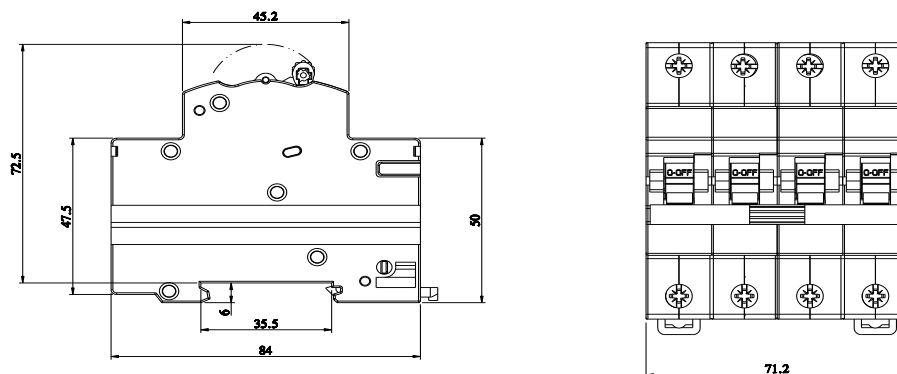
## 2 Pole



## 3 Pole



## 4 Pole





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Published by  
Siemens Malaysia Sdn Bhd

Smart Infrastructure  
Electrical Products (EP)  
Cp Tower, 11, Jalan 16/11  
46350 Petaling Jaya, Selangor

For more information, please contact

E-mail: [sales.my@siemens.com](mailto:sales.my@siemens.com)

Article No. SIEP-B90078-00-76MY

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