

Miniature Circuit Breakers 5SJ6...SC

BETA Low-Voltage Circuit Protection



Miniature circuit breaker for applications in non-residential buildings and residential buildings

■ **Export type**

Export type for South East Asia produced in China, SCPS

Highlights

- The infeed can be either from the top or the bottom as the terminals are identical
- Conductor will be connected before the busbar
- Large and easily accessible wiring space enables easy insertion of conductor in the terminal

Miniature Circuit Breakers





5SJ6 miniature circuit breakers

Technical specifications

		5SJ6
Standards		EN 60 898-1
Approvals		
Tripping characteristic		
Rated voltage U_n	V AC	230/400
Operational voltage		
• Min.	V AC/DC	24
• Max.	V AC	250/440
• Max.	V DC/pole	60 ¹⁾
Rated breaking capacity I_{cn}	Acc. to EN 60898	kA AC 6
Insulation coordination		
• Rated insulation voltage	V AC	250/440
• Degree of pollution for overvoltage category		2/III
Touch protection	Acc. to EN 50274	Yes
Handle end position, sealable		Yes
Degree of protection		IP20
CFC and silicone-free		Yes
Conductor cross-sections		
• Solid and stranded	mm ²	0.75 ... 35
• Finely stranded, with end sleeve	mm ²	0.75 ... 25
Terminals		
• Terminal tightening torque	Nm	2.5 ... 3
Mounting position		Any
Service life on average, with rated load		20 000 actuations
Ambient temperature	°C	-25 ... +45, occasionally +55, max. 95 % humidity, storage temperature: -40 ... +75
Resistance to climate	Acc. to IEC 60068-2-30	6 cycles
Resistance to vibrations	Acc. to IEC 60068-2-6	m/s ² 60 at 10 Hz ... 150 Hz

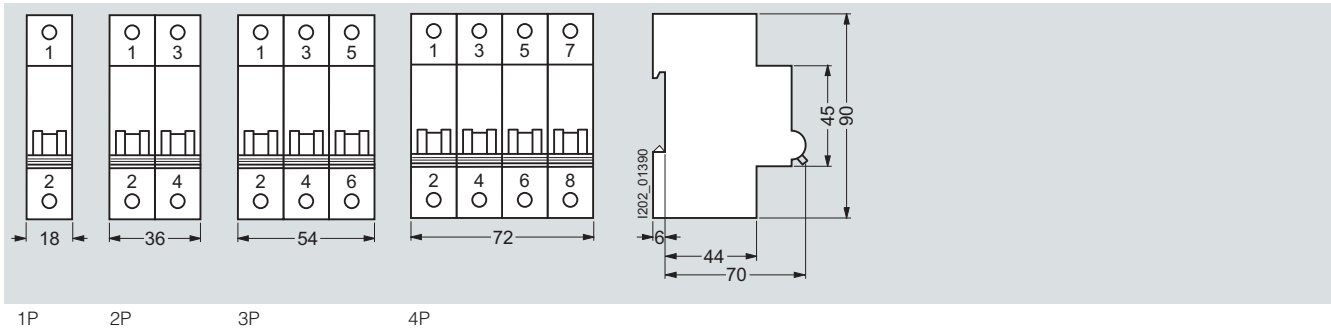
¹⁾ The operational voltage 60 V DC/pole takes into account a battery charging voltage with a peak value of 72 V.

Selection and ordering data (Dated 12/2009)

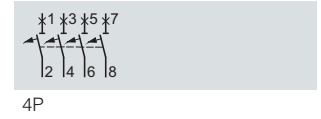
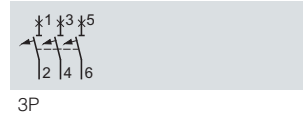
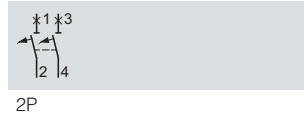
I_n	Width	DT	Characteristic C		PS*/ P. unit	Weight per PU approx.
			Order No.	Unit(s)		
A	MW ¹⁾				kg	
MCB 6000 A						
	1P; 230/400 V1					
	1		5SJ6 101-7SC	12	0.165	
	2		5SJ6 102-7SC	12	0.165	
	3		5SJ6 103-7SC	12	0.165	
	4		5SJ6 104-7SC	12	0.165	
	6		5SJ6 106-7SC	12	0.165	
	8		5SJ6 108-7SC	12	0.165	
	10		5SJ6 110-7SC	12	0.165	
	13		5SJ6 113-7SC	12	0.165	
	16		5SJ6 116-7SC	12	0.165	
	20		5SJ6 120-7SC	12	0.165	
	25		5SJ6 125-7SC	12	0.165	
	32		5SJ6 132-7SC	12	0.165	
40		5SJ6 140-7SC	12	0.165		
50		5SJ6 150-7SC	12	0.165		
63		5SJ6 163-7SC	12	0.165		
	2P; 400 V	2				
	1		5SJ6 201-7SC	6	0.330	
	2		5SJ6 202-7SC	6	0.330	
	3		5SJ6 203-7SC	6	0.330	
	4		5SJ6 204-7SC	6	0.165	
	6		5SJ6 206-7SC	6	0.330	
	8		5SJ6 208-7SC	6	0.330	
	10		5SJ6 210-7SC	6	0.330	
	13		5SJ6 213-7SC	6	0.330	
	16		5SJ6 216-7SC	6	0.330	
	20		5SJ6 220-7SC	6	0.330	
	25		5SJ6 225-7SC	6	0.330	
	32		5SJ6 232-7SC	6	0.330	
40		5SJ6 240-7SC	6	0.330		
50		5SJ6 250-7SC	6	0.330		
63		5SJ6 263-7SC	6	0.330		
	3P; 400 V	3				
	1		5SJ6 301-7SC	4	0.465	
	2		5SJ6 302-7SC	4	0.465	
	3		5SJ6 303-7SC	4	0.465	
	4		5SJ6 304-7SC	4	0.465	
	6		5SJ6 306-7SC	4	0.465	
	8		5SJ6 308-7SC	4	0.465	
	10		5SJ6 310-7SC	4	0.465	
	13		5SJ6 313-7SC	4	0.465	
	16		5SJ6 316-7SC	4	0.465	
	20		5SJ6 320-7SC	4	0.465	
	25		5SJ6 325-7SC	4	0.465	
	32		5SJ6 332-7SC	4	0.465	
40		5SJ6 340-7SC	4	0.465		
50		5SJ6 350-7SC	4	0.465		
63		5SJ6 363-7SC	4	0.465		
	4P; 400 V	4				
	6		5SJ6 406-7SC	3	0.660	
	8		5SJ6 408-7SC	12	0.660	
	10		5SJ6 410-7SC	12	0.660	
	13		5SJ6 413-7SC	12	0.660	
	16		5SJ6 416-7SC	12	0.660	
	20		5SJ6 420-7SC	12	0.660	
	25		5SJ6 425-7SC	12	0.660	
	32		5SJ6 432-7SC	3	0.660	
	40		5SJ6 440-7SC	3	0.660	
	50		5SJ6 450-7SC	3	0.660	
	63		5SJ6 463-7SC	3	0.660	

1) 1 MW (modular width) = 18 mm.

* You can order this quantity or a multiple thereof.



5SJ6



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