SIEMENS

Data sheet

5SY5132-6



Circuit breaker Universal current 220 V DC 230/400 V AC 10kA, 1-pole, B, 32A

Model						
product brand name	SENTRON					
product designation	Miniature circuit breaker					
General technical data						
number of poles	1					
design of pole	1P					
tripping characteristic class	В					
mechanical service life (operating cycles) typical	10 000					
overvoltage category	Ш					
degree of pollution	3					
Voltage						
type of voltage of the operating voltage	AC/DC					
insulation voltage (Ui)						
 at DC rated value 	250 V					
 with single-phase operation at AC rated value 	440 V					
 with multi-phase operation at AC rated value 	440 V					
supply voltage with single-phase operation at AC rated value	230 V					
Supply voltage						
supply voltage						
 at AC rated value 	400 V					
• at DC rated value	220 V					
value range of the supply voltage frequency	50/60 Hz					
operating voltage at DC rated value maximum	250 V					
Protection class						
protection class IP	IP20, with connected conductors					
Switching capacity						
switching capacity current						
 at DC according to IEC 60947-2 rated value 	15 kA					
 according to EN 60898 rated value 	10 kA					
energy limitation class	3					
Dissipation						
power loss [W] for rated value of the current at AC in hot operating state per pole	2.6 W					
suitability for operation	universal current					
Product details						
product component						
 combined terminal top 	Yes					
 combined terminal bottom 	Yes					
 neutral conductor switching 	No					
product feature						

• proportion for main switches in accordance with EN	Yes					
 properties for main switches in accordance with EN 60204-1 	105					
halogen-free	Yes					
• sealable	Yes					
silicon-free	Yes					
product extension installable supplementary devices	Yes					
Short circuit						
short-circuit current breaking capacity (Icn)						
at DC according to EN 60898-2	10 kA					
Connections	10 10 1					
connectable conductor cross-section solid						
minimum	0.75 mm²					
• maximum	35 mm ²					
connectable conductor cross-section stranded	35 mm					
	0.7E mm ²					
• minimum	0.75 mm ²					
• maximum	35 mm ²					
connectable conductor cross-section finely stranded with core end processing						
• minimum	0.75 mm²					
• maximum	25 mm ²					
AWG number as coded connectable conductor cross section						
minimum	18					
• maximum	4					
tightening torque [lbf-in] with screw-type terminals	•					
	22 lbf·in					
• minimum						
• maximum	31 lbf·in					
tightening torque with screw-type terminals	0.5 N					
• minimum	2.5 N·m					
• maximum		3.5 N·m				
position of power supply cord	AC as required, observe DC polarity					
Mechanical Design						
height	90 mm					
width	18 mm					
depth	76 mm					
installation depth	70 mm					
number of modular width units	1					
fastening method	Quick assembly system					
mounting position	any					
net weight	169 g					
Environmental conditions						
influence of the surrounding temperature	max. 95% to 55°C, max. 55% to 70°C, max. 35% to	75°C				
standard	IEC / EN 60898-2, UL1077					
vibration resistance according to IEC 60068-2-6	±1mm at 5 to 25Hz; 50m/s ² at 25 to 150Hz					
ambient temperature during operation						
• minimum	-40 °C					
• maximum	70 °C					
ambient temperature during storage						
• minimum	-40 °C					
• maximum	75 °C					
number of test cycles for environmental testing according to IEC	6					
60068-2-30						
General Product Approval						
	Miscellaneous	FAL				
	VDE	LUL				
General Product Approval Declaration of Conformity	Test Certificates	Marine / Shipping				

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<u>Miscellaneous</u>	CE EG-Konf.	UK CA	<u>Miscellaneous</u>	<u>Special Test Certific-</u> <u>ate</u>	Lloyd's Register us
other		Railway		Dangerous Good	Environment
<u>Miscellaneous</u>	<u>Confirmation</u>	Vibration and Shock	<u>Confirmation</u>	Transport Information	Environmental Con- firmations

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SY5132-6

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/5SY5132-6

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

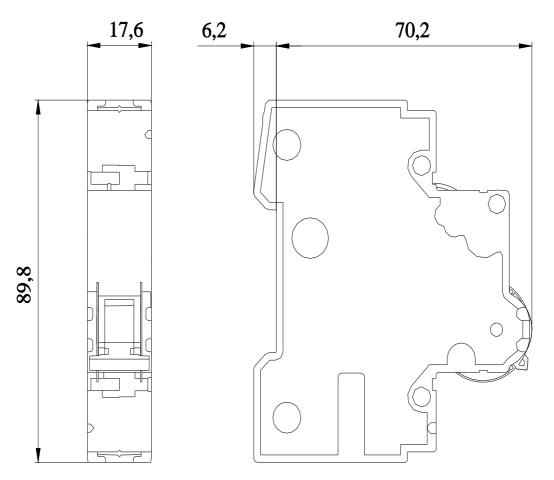
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY5132-6

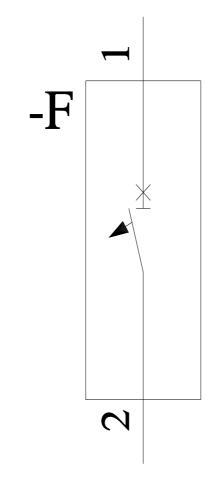
CAx-Online-Generator

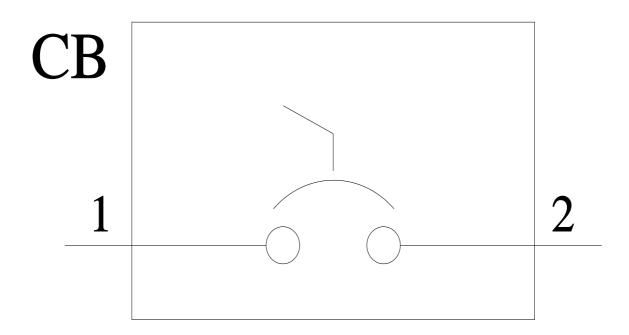
http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications







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