## **SIEMENS**

Data sheet 5TJ6132-7



SINOVA, Miniature Circuit Breaker 240/415V 6kA, 1-pole C, 32 A

Number of poles	General technical data	
design of pole         1P           tripping characteristic class         C           overvoltage category         III           degree of pollution         2Pow with connected conductors           withing capacity current         ***           ** according to EN 60898 rated value         6KA           power loss [W]         3.8 W           ** e for rated value of the current at AC in hot operating state of proble         3.8 W           ** e maximum         3.8 W           product feature silicon-free         Yes           product resture silicon-free         Yes           product resture silicon-free         1 mm²           ** e niminum         1 mm²           ** e niminum         2 mm²           ** e niminum         1 mm²           ** e niminum         2 Nm           ** e niminum         2 Nm           ** e niminum         4 mm²           ** e niminum         4 Nm		1
tripping characteristic class         C           overvoltage category         III           degree of pollution         2           protection class IP         IP20, with connected conductors           switching capacity current         6 kA           • according to EN 60898 rated value         6 kA           power loss IW]         3.8 W           • for rated value of the current at AC in hot operating state per pole         3.8 W           product feature silicon-free         Yes           product extension installable supplementary devices         0           connectable conductor cross-section solid         1 mm²           • minimum         1 mm²           • minimum         2 5 mm²           • minimum         2 5 mm²           • minimum         2 N·m           • minimum         2 N·m           • minimum         2 N·m           • minimum         4 Mm           • minimum         70 mm           • minimum         1 mm²           • minimum         1 mm²           • minimum         1 mm²           • minimum         2 mm²           • minimum         1 mm²           • minimum         1 mm²           • minimum         1 mm² </td <td></td> <td></td>		
overvoltage category         III           degree of pollution         2           optocation class IP         IP20, with connected conductors           witching capacity current         6 kA           • corrated value of the current at AC in hot operating state per pole         3.8 W           • maximum         3.8 W           product feature silicon-free         Yes           product extension installable supplementary devices         No           connectable conductor cross-section solid         1 mm²           • minimum         1 mm²           • maximum         25 mm²           tightening torque with screw-type terminals         25 mm²           • minimum         2 Nm           • minimum         4 Mm           • minimum         2 Nm           • minimum         2 Nm           • minimum         4 Mm           • minimum         1 mm²           • minimum         2 Nm           • minimum         1 mm²           • minimum         1 mm²           • minimum         2 Nm           • minimum         1 mm²           • minimum         1 mm²           • minimum         1 mm²           • minimum         2 5 °C <t< td=""><td></td><td></td></t<>		
degree of pollution         2           protection class IP         P20, with connected conductors           withining capacity current         4           • according to EN 60898 rated value         6 kA           power loss [W]         3.8 W           • for rated value of the current at AC in hot operating state per pole         3.8 W           • maximum         3.8 W           product extension installable supplementary devices         No           connectable conductor cross-section solf         1 mm²           • minimum         2 mm²           e minimum         1 mm²           • minimum         2 mm²           connectable conductor cross-section stranded         1 mm²           • minimum         2 mm²           e minimum         2 mm²           intiminum         2 N·m           position of power supply cord         Any           keight         3 mm           width         4 mm           depth         70 mm           installation depth         70 mm           number of modular width units         1           fastening method         10 rall           mounting position         25 °C           e minimum         4 0 °C	· · · · · ·	
protection class IP         IP 20, with connected conductors           switching capacity current         6 kA           • according to EN 60898 rated value         6 kA           power loss [W]         For rated value of the current at AC in hot operating state per pole         3.8 W           • maximum         3.8 W           product feature silicon-free         Yes           product extension installable supplementary devices         No           • minimum         1 mm²           • maximum         2 mm²           connectable conductor cross-section solid         4 mm²           • minimum         1 mm²           • maximum         2 mm²           connectable conductor cross-section stranded         4 mm²           • minimum         1 mm²           • maximum         2 N·m           • maximum         2 N·m           • maximum         2 N·m           position of power supply cord         Any           height         48 mm           depth         76 mm           installation depth         70 mm           number of modular width units         1           fastening method         DIN rail           mounting position         94 g           ambient temperature du		
switching capacity current         6 kA           power loss [W]         6 ror rated value of the current at AC in hot operating state per pole         3.8 W           • maximum         3.8 W           product feature silicon-free         Yes           product extension installable supplementary devices         No           connectable conductor cross-section solid         1 mm²           • minimum         25 mm²           connectable conductor cross-section stranded         5 mm²           • minimum         1 mm²           • minimum         25 mm²           titplening torque with screw-type terminals         2 mm²           • minimum         4 mm²           • minimum         4 Mm           • mostinum         2 N·m           • position of power supply cord         Any           height         8 mm           width         18 mm           depth         76 mm           installation depth         70 mm           number of modular width units         1           fastening method         DiN rail           mounting position         any           et weight         any           et weight         any           et minimum         25 °C      <		
• according to EN 60898 rated value         6 kA           power loss [V]         3.8 W           • for rated value of the current at AC in hot operating state per pole         3.8 W           • maximum         3.8 W           product feature silicon-free         Yes           product estension installable supplementary devices         No           connectable conductor cross-section solid         Imm²           • minimum         25 mm²           • maximum         25 mm²           connectable conductor cross-section stranded         Imm²           • minimum         25 mm²           • maximum         2 N·m           • maximum         2 N·m           • maximum         2 N·m           • position of power supply cord         Any           height         44 mm           width         18 mm           depth         76 mm           installation depth         70 mm           number of modular width units         1           fastening method         plly rail           net weight         any           • tweight         any           • minimum         -25 °C           • maximum         55 °C           • minimum         -25 °C	·	IP20, with connected conductors
power loss [W]         3.8 W           e for rated value of the current at AC in hot operating state per pole         3.8 W           e maximum         3.8 W           product feature silicon-free         Yes           product extension installable suplementary devices         No           connectable conductor cross-section solid         Imm²           e- minimum         25 mm²           connectable conductor cross-section stranded         Imm²           e- minimum         25 mm²           e- minimum         25 mm²           e- minimum         25 mm²           e- minimum         2 N·m           position of power supply cord         Any           height         84 mm           width         18 mm           depth         76 mm           installation depth         70 mm           number of modular width units         1           fastening method         pin rail           mounting position         any           et weight         9 g           ambient temperature during operation         - minimum           e minimum         25 °C           e maximum         40 °C           e minimum         40 °C           e minimum <t< td=""><td></td><td></td></t<>		
• for rated value of the current at AC in hot operating state per pole  • maximum  7 yes  product feature silicon-free  Product extension installable supplementary devices  No  connectable conductor cross-section solid  • minimum  • maximum  25 mm²  connectable conductor cross-section stranded  • minimum  • maximum  25 mm²  connectable conductor cross-section stranded  • minimum  • maximum  25 mm²  tightening torque with screw-type terminals  • minimum  • maximum  2 N·m  • maximum  2 N·m  • maximum  1 mm²  • maximum  2 N·m  • mostinon of power supply cord  Any  height  34 mm  width  4b mm  depth  76 mm  installation depth  70 mm  number of modular width units  1 fastening method  mounting position  any  ent weight  94 g  ambient temperature during operation  • minimum  • maximum  5 5° C  • maximum  - 40° C  • minimum  • maximum  • maximum  - 40° C  • maximum  • maximum  - 40° C  • maximum  • maximum  - 40° C  • maximum  • maximum  • maximum  • maximum  • maximum  • A0° C  • maximum  • maximum  • maximum  • maximum  • maximum  • A0° C  • maximum  • maximum  • maximum  • A0° C  • maximum  • maximum  • A0° C  • maximum  • maximum  • maximum  • A0° C		6 KA
maximum		0.011
product feature silicon-free         Yes           product extension installable supplementary devices         No           connectable conductor cross-section solid         1 mm²           e minimum         25 mm²           connectable conductor cross-section stranded         1 mm²           e minimum         25 mm²           e maximum         2 N·m           e minimum         2 N·m           e minimum         2 N·m           e maximum         2 N·m           position of power supply cord         Any           height         84 mm           width         18 mm           depth         76 mm           installation depth         70 mm           number of modular width units         1           fastening method         DIN rail           mounting position         any           net weight         94 g           ambient temperature during operation         - 25 °C           e minimum         - 25 °C           e maximum         - 40 °C           e minimum	per pole	
product extension installable supplementary devices  connectable conductor cross-section solid  minimum maximum  connectable conductor cross-section stranded minimum maximum  connectable conductor cross-section stranded  minimum maximum  maximum  maximum  conaximum  connectable conductor cross-section stranded  minimum maximum  connectable conductor cross-section stranded  connectable conductor cross-section stranded  connectable conductor cross-section solid  maximum  connectable conductor cross-section solid  minimum maximum  connectable conductor cross-section solid  maximum  connectable conductor cross-section solid  minimum maximum  connectable conductor cross-section solid  minimum maximum  connectable conductor cross-section solid  minimum minimum connectable conductor cross-section solid  connectable conductor cross-section solid  minimum connectable conductor connectable conducto	maximum	
connectable conductor cross-section solid	product feature silicon-free	
● minimum         1 mm²           ● maximum         25 mm²           connectable conductor cross-section stranded         Imm²           ● minimum         1 mm²           ● maximum         25 mm²           tightening torque with screw-type terminals         Imm²           ● minimum         2 N·m           ● maximum         2 N·m           position of power supply cord         Any           height         84 mm           width         18 mm           depth         76 mm           installation depth         70 mm           number of modular width units         1           fastening method         DIN rail           mounting position         any           net weight         94 g           ambient temperature during operation         -25 °C           • minimum         -25 °C           • maximum         55 °C           ambient temperature during storage         - minimum           • minimum         - 40 °C           • minimum         - 40 °C           • minimum         - 75 °C	product extension installable supplementary devices	No
● maximum         25 mm²           connectable conductor cross-section stranded         1 mm²           ● minimum         1 mm²           ● maximum         25 mm²           tightening torque with screw-type terminals         ■ minimum           ● minimum         2 N·m           ● omaximum         2 N·m           Position of power supply cord         Any           height         84 mm           width         18 mm           depth         76 mm           installation depth         70 mm           number of modular width units         1           fastening method         DIN rail           mounting position         any           net weight         94 g           ambient temperature during operation         -25 °C           ● maximum         55 °C           ambient temperature during storage         • minimum           • minimum         -40 °C           • minimum         -40 °C           • maximum         -40 °C           • maximum         -40 °C	connectable conductor cross-section solid	
connectable conductor cross-section stranded         1 mm²           • minimum         25 mm²           tightening torque with screw-type terminals         2 N·m           • minimum         2 N·m           • maximum         2 N·m           position of power supply cord         Any           height         84 mm           width         18 mm           depth         76 mm           installation depth         70 mm           number of modular width units         1           fastening method         DIN rail           mounting position         any           net weight         49           ambient temperature during operation         -25 °C           • maximum         -25 °C           ambient temperature during storage         - minimum           • minimum         -40 °C           • maximum         -40 °C           • maximum         -55 °C	• minimum	1 mm²
● minimum         1 mm²           ● maximum         25 mm²           tightening torque with screw-type terminals         2 N·m           ● minimum         2 N·m           ● maximum         2 N·m           position of power supply cord         Any           height         84 mm           width         18 mm           depth         76 mm           installation depth         70 mm           number of modular width units         1           fastening method         DIN rail           mounting position         any           net weight         94 g           ambient temperature during operation         -25 °C           • maximum         -25 °C           ambient temperature during storage         -40 °C           • minimum         -40 °C           • maximum         -40 °C           • maximum         -75 °C	maximum	25 mm²
● maximum         25 mm²           tightening torque with screw-type terminals         2 N·m           ● minimum         2 N·m           ● maximum         2 N·m           position of power supply cord         Any           height         84 mm           width         18 mm           depth         76 mm           installation depth         70 mm           number of modular width units         1           fastening method         DIN rail           mounting position         any           net weight         94 g           ambient temperature during operation         -25 °C           • minimum         -25 °C           • maximum         55 °C           ambient temperature during storage         • minimum           • maximum         -40 °C           • maximum         75 °C	connectable conductor cross-section stranded	
tightening torque with screw-type terminals	• minimum	1 mm²
● minimum         2 N·m           ● maximum         2 N·m           position of power supply cord         Any           height         84 mm           width         18 mm           depth         76 mm           installation depth         70 mm           number of modular width units         1           fastening method         DIN rail           mounting position         any           net weight         94 g           ambient temperature during operation         - 25 °C           • minimum         -25 °C           • maximum         55 °C           ambient temperature during storage         - minimum           • minimum         - 40 °C           • maximum         75 °C	maximum	25 mm²
● maximum         2 N·m           position of power supply cord         Any           height         84 mm           width         18 mm           depth         76 mm           installation depth         70 mm           number of modular width units         1           fastening method         DIN rail           mounting position         any           net weight         94 g           ambient temperature during operation         -25 °C           • maximum         55 °C           ambient temperature during storage         -40 °C           • minimum         -40 °C           • maximum         75 °C	tightening torque with screw-type terminals	
position of power supply cord height 84 mm  width 18 mm depth 76 mm installation depth 70 mm number of modular width units 1 fastening method DIN rail mounting position any net weight ambient temperature during operation • minimum • maximum 55° C ambient temperature during storage • minimum • maximum -40° C maximum 75° C	• minimum	2 N·m
height84 mmwidth18 mmdepth76 mminstallation depth70 mmnumber of modular width units1fastening methodDIN railmounting positionanynet weight94 gambient temperature during operation-25 °C• minimum-25 °Cambient temperature during storage55 °Cambient temperature during storage-40 °C• maximum-75 °C	• maximum	2 N·m
width 18 mm depth 76 mm installation depth 70 mm number of modular width units 1 fastening method DIN rail mounting position any net weight 94 g ambient temperature during operation	position of power supply cord	Any
depth76 mminstallation depth70 mmnumber of modular width units1fastening methodDIN railmounting positionanynet weight94 gambient temperature during operation-25 °C• maximum55 °Cambient temperature during storage-40 °C• maximum-40 °C• maximum75 °C	height	84 mm
installation depth 70 mm number of modular width units 1 fastening method DIN rail mounting position any net weight 94 g ambient temperature during operation	width	18 mm
number of modular width units fastening method DIN rail mounting position any net weight 94 g  ambient temperature during operation • minimum • maximum 55 °C  ambient temperature during storage • minimum • minimum • -40 °C -75 °C	depth	76 mm
fastening method DIN rail mounting position any net weight 94 g ambient temperature during operation  • minimum -25 °C  • maximum 555 °C  ambient temperature during storage  • minimum -40 °C  • maximum 75 °C	installation depth	70 mm
mounting position any net weight 94 g  ambient temperature during operation	number of modular width units	1
net weight ambient temperature during operation      minimum     maximum     55 °C  ambient temperature during storage     minimum     -40 °C     maximum     75 °C	fastening method	DIN rail
ambient temperature during operation	mounting position	any
<ul> <li>minimum</li> <li>-25 °C</li> <li>maximum</li> <li>55 °C</li> <li>ambient temperature during storage</li> <li>minimum</li> <li>maximum</li> <li>-40 °C</li> <li>75 °C</li> </ul>	net weight	94 g
● maximum       55 °C         ambient temperature during storage       -40 °C         ● minimum       -40 °C         ● maximum       75 °C	ambient temperature during operation	
ambient temperature during storage	• minimum	-25 °C
<ul> <li>minimum</li> <li>-40 °C</li> <li>maximum</li> <li>75 °C</li> </ul>	• maximum	55 °C
<ul> <li>minimum</li> <li>-40 °C</li> <li>maximum</li> <li>75 °C</li> </ul>	ambient temperature during storage	
		-40 °C
	maximum	75 °C
	reference code	

F

• according to IEC 81346-2

## 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=5TJ6132-7

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

https://support.industry.siemens.com/cs/ww/en/ps/5TJ6132-7

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

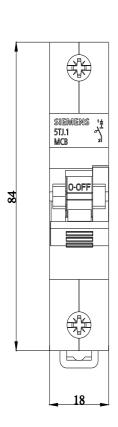
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5TJ6132-7

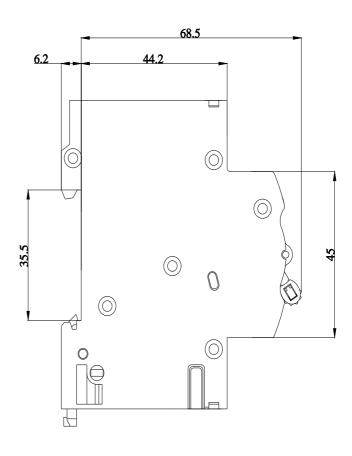
**CAx-Online-Generator** 

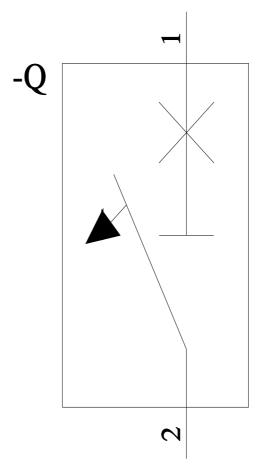
http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications







last modified: 11/21/2022 🖸