## **SIEMENS**

Data sheet 5TJ6140-7



SINOVA, Miniature Circuit Breaker 240/415V 6kA, 1-pole C, 40 A

Tumber of poles	General technical data	
design of pole         1P           tripping characteristic class         C           overvoltage category         III           degree of pollution         2           protection class IP         P20, with connected conductors           witching capacity current         - according to EN 60898 rated value           • according to EN 60898 rated value         6 kA           power loss [W]         4.2 W           e maximum         4.2 W           product feature silicon-free         Yes           product extension in stallable supplementary devices         No           connectable conductor cross-section solid         1 mm²           • minimum         1 mm²           • minimum         1 mm²           • minimum         25 mm²           • minimum         2 N m           • minimum         2 N m           • minimum         2 N m           • minimum         4 Mn           • minimum         2 N m           • minimum         6 Mn           • minimum         70 mm           depth         70 mm           number of modular width units         1           fastening method         10 Nr all           nounting position         any		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]         4.2 W           • for rated value of the current at AC in hot operating state per pole         4.2 W           • maximum         4.2 W           product extension installable supplementary devices         No           connectable conductor cross-section solid         1 mm²           • minimum         25 mm²           • minimum         1 mm²           • maximum         25 mm²           • minimum         2 N·m           • maximum         2 N·m           • maximum         2 N·m           • maximum         2 N·m           • maximum         4 N·m           • maximum         7 mm           • maximum         1 mm²           • maximum         2 N·m           • maximum         1 mm²           • maximum         1 mm²           • maximum         1 mm²           • maximum         2 mm²		
overvoltage category         III           degree of pollution         2           protection class IP         IP20, with connected conductors           switching capacity current         6 kA           a coording to EN 60898 rated value         6 kA           power loss [W]         4.2 W           a for rated value of the current at AC in hot operating state per pole         4.2 W           a maximum         4.2 W           product feature silicon-free         Yes           product extension installable supplementary devices         No           connectable conductor cross-section solid         1 mm²           a minimum         1 mm²           a maximum         25 mm²           tightening torque with screw-type terminals         25 mm²           a minimum         2 N m           position of power supply cord         Any           height         48 mm           width         18 mm           depth         76 mm           installation depth         70 mm           number of modular width units         1           flastening method         DIN rail           mounting position         any           e minimum         -25 °C           e minimum         -25 °C <td></td> <td></td>		
degree of pollution         2           protection class IP         P20, with connected conductors           switching capacity current         4           • according to EN 60898 rated value         6 kA           power loss [W]         4.2 W           • nor rated value of the current at AC in hot operating state per pole         4.2 W           • maximum         4.2 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         1 mm²           • minimum         25 mm²           connectable conductor cross-section stranded         2 mm²           • minimum         25 mm²           tightening torque with screw-type terminals         2 N·m           • minimum         4 N·m           • minimum         4 N·m           position of power supply cord         Any           keight         3 mm           width         4 mm           depth         7 mm           installation depth         70 mm           numbinum position         10 g           melinim		
P20. with connected conductors		
switching capacity current         6 kA           according to EN 60988 rated value         6 kA           power loss [W]		
● according to EN 60898 rated value         6 kA           power loss [M]         4.2 W           ● for rated value of the current at AC in hot operating state per pole         4.2 W           ● maximum         4.2 W           product feature silicon-free         Yes           product extension installable supplementary devices         No           connectable conductor cross-section solid         Imm²           ● minimum         25 mm²           connectable conductor cross-section stranded         Imm²           ● minimum         25 mm²           • maximum         2 N·m           • maximum         2 N·m           • maximum         2 N·m           • maximum         4 M·m           position of power supply cord         Any           height         34 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         any           minimum         -25 °C           maximum         25 °C           maximum         40 °C	·	IP2U, with connected conductors
power loss [W]         4.2 W           e for rated value of the current at AC in hot operating state per pole         4.2 W           e maximum         4.2 W           product feature silicon-free         Yes           product extension installable supplementary devices         No           connectable conductor cross-section solid         Imm²           e minimum         1 mm²           e maximum         25 mm²           connectable conductor cross-section stranded         Imm²           e maximum         2 mm²           tightening torque with screw-type terminals         2 N·m           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         DIN rail           mounting position         any           et weight         100 g           ambient temperature during operation         5 °C           e minimum         65 °C           e minimum         60 °C           e minimum         60 °C		
• for rated value of the current at AC in hot operating state per pole  • maximum  product feature silicon-free  Product extension installable supplementary devices  connectable conductor cross-section solid  • minimum  • maximum  • 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  4 M·m  • maximum  5 N·m  • maximum  18 mm  • depth  76 mm  number of modular width units  1 fastening method  mounting position  ambient temperature during operation  • minimum  • cas °C  • maximum  5 °C  • maximum  5 °C  • maximum  • ado °C  • maximum  • and °C  • and °C		6 KA
per pole		
product feature silicon-free         Yes           product extension installable supplementary devices         No           connectable conductor cross-section solid		
product extension installable supplementary devices  connectable conductor cross-section solid	maximum	
connectable conductor cross-section solid	product feature silicon-free	Yes
• 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         100 g           ambient temperature during operation         - 25 °C           • maximum         55 °C           ambient temperature during storage         - minimum           • minimum         - 40 °C           • minimum         - 40 °C           • maximum         - 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         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         100 g           ambient temperature during operation         -25 °C           • maximum         55 °C           ambient temperature during storage         • minimum           • minimum         -40 °C           • maximum         -40 °C           • maximum         -40 °C           • maximum         -60 °C           • maximum         -75 °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         10 g           ambient temperature during operation         -25 °C           • maximum         -55 °C           ambient temperature during storage         - minimum           • minimum         -40 °C           • maximum         75 °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         100 g           ambient temperature during operation         -25 °C           • minimum         -25 °C           • maximum         55 °C           ambient temperature during storage         - minimum           • 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         100 g           ambient temperature during operation         -25 °C           • minimum         -25 °C           • maximum         55 °C           ambient temperature during storage         -minimum           • minimum         -40 °C           • maximum         75 °C	connectable conductor cross-section stranded	
tightening torque with screw-type terminals	• minimum	1 mm²
<ul> <li>minimum</li> <li>maximum</li> <li>2 N·m</li> <li>position of power supply cord</li> <li>Any</li> <li>height</li> <li>84 mm</li> <li>width</li> <li>18 mm</li> <li>depth</li> <li>76 mm</li> <li>installation depth</li> <li>number of modular width units</li> <li>1</li> <li>fastening method</li> <li>DIN rail</li> <li>mounting position</li> <li>any</li> <li>net weight</li> <li>ambient temperature during operation</li> <li>minimum</li> <li>-25 °C</li> <li>maximum</li> <li>55 °C</li> <li>ambient temperature during storage</li> <li>minimum</li> <li>-40 °C</li> <li>maximum</li> <li>75 °C</li> </ul>	• 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       100 g         ambient temperature during operation       -25 °C         • maximum       -25 °C         ambient temperature during storage       - minimum         • 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  100 g  ambient temperature during operation  minimum  maximum  55°C  ambient temperature during storage  minimum  -40°C  75°C	• minimum	2 N·m
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 100 g  ambient temperature during operation  • minimum -25 °C  ambient temperature during storage  • minimum -40 °C  † maximum -40 °C  † 55 °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 100 g ambient temperature during operation	position of power supply cord	Any
depth 76 mm installation depth 70 mm number of modular width units 1 fastening method DIN rail mounting position any net weight 100 g ambient temperature during operation	height	84 mm
installation depth 70 mm  number of modular width units 1  fastening method DIN rail  mounting position any  net weight 100 g  ambient temperature during operation  • minimum -25 °C  • maximum 555 °C  ambient temperature during storage  • minimum -40 °C  • maximum 75 °C	width	18 mm
number of modular width units  fastening method  DIN rail  mounting position  any  net weight  100 g  ambient temperature during operation  • minimum  • maximum  55 °C  ambient temperature during storage  • minimum  • maximum  75 °C	depth	76 mm
number of modular width units  fastening method  DIN rail  mounting position  any  net weight  100 g  ambient temperature during operation  • minimum  • maximum  55 °C  ambient temperature during storage  • minimum  • maximum  75 °C	installation depth	70 mm
fastening method  mounting position  net weight  ambient temperature during operation  maximum  maximum  maximum  maximum  maximum  maximum  maximum  maximum  maximum  DIN rail  any  100 g  -25 °C  C  -25 °C  -40 °C  -75 °C	<u> </u>	1
mounting position any  net weight 100 g  ambient temperature during operation  • minimum -25 °C  • maximum 55 °C  ambient temperature during storage  • minimum -40 °C  • maximum 75 °C	fastening method	DIN rail
net weight ambient temperature during operation      minimum     maximum     55 °C  ambient temperature during storage     minimum     -40 °C     maximum     75 °C		any
ambient temperature during operation  • minimum  • maximum  55 °C  ambient temperature during storage  • minimum  • maximum  -40 °C  • maximum  75 °C		
<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>		
<ul> <li>● maximum</li> <li>ambient temperature during storage</li> <li>● minimum</li> <li>● maximum</li> <li>-40 °C</li> <li>75 °C</li> </ul>		-25 °C
ambient temperature during storage	maximum	55 °C
<ul> <li>minimum</li> <li>-40 °C</li> <li>maximum</li> <li>75 °C</li> </ul>		
• maximum 75 °C		-40 °C
		75 °C

- according to EN 61346-2
- according to IEC 81346-2

F F

## Further information

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

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

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=5TJ6140-7

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

https://support.industry.siemens.com/cs/ww/en/ps/5TJ6140-7

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

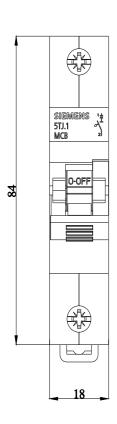
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5TJ6140-7

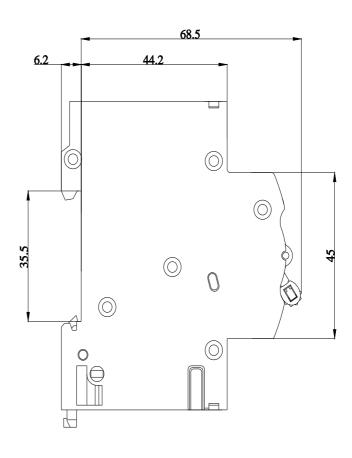
**CAx-Online-Generator** 

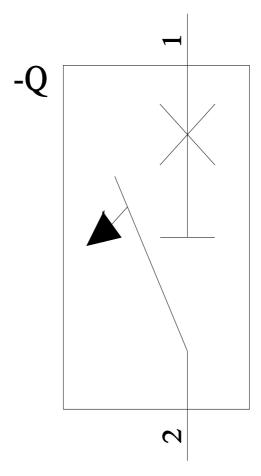
http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications







last modified: 11/21/2022 🖸