## SIEMENS

## Data sheet

## 5TJ4110-7



SINOVA, Miniature Circuit Breaker 240/415V 10kA, 1-pole C, 10 A

product brand name         SINOVA           Canaral tochnical data	Model	
number of poles       1         design of pole       1P         tripping characteristic class       C         overvoltage category       III         degree of pollution       2         operational current at AC rated value       10 A         Supply voltage frequency       50/60 Hz         value range of the supply voltage frequency       50/60 Hz         value range of the supply voltage at AC       24/0/15 V         protection class IP       IP20, with connected conductors         switching capacity current       0 KA         • according to EN 60989 rated value       10 KA         power loss IW          • for taled value of the current at AC in hot operating state per pole       2 W         product feature silicon-free       Yes         product feature silicon-free       Yes         product feature silicon cross-section solid       1 mm²         • maximum       36 mm²         connectable conductor cross-section stranded       • maximum         • minimum       1 mm²         • maximum       2 Nrm         • minimum       2 Nrm         • minimum       2 Nrm         • minimum       2 Nrm         • minimum       2 Nrm	product brand name	SINOVA
design of pole     1P       tripping characteristic class     C       overvoltage category     III       degree of pollution     2       operational current at AC rated value     10 A       Supply voltage     50/60 Hz       value range of the supply voltage frequency     50/60 Hz       value range of the supply voltage at AC     240/415 V       protection class IP     IP20, with connected conductors       switching capacity current     10 kA       • according to EN 60898 rated value     10 kA       power loss [W]     2 W       • for rated value of the current at AC in hot operating state per pole     2 W       product extension installable supplementary devices     No       connectable conductor cross-section solid     1 mm²       • maximum     35 mm³       connectable conductor cross-section solid     1 mm²       • minimum     1 mm²       • maximum     2 Nrm       • maximum     2 Nrm       • minimum     1 mm²       • minimum     1 Nrm       • minimum     1 Nrm	General technical data	
tripping characteristic class       C         overvoltage category       III         degree of pollution       2         operational current at AC rated value       10 A         Supply voltage       10 A         value range of the supply voltage frequency       50/60 Hz         value range of the supply voltage trequency       50/60 Hz         value range of the supply voltage at AC       240/415 V         protection class IP       IP20, with connected conductors         switching capacity current       10 kA         • according to EN 60989 rated value       10 kA         power loss IVI       2 W         • for rated value of the current at AC in hot operating state per pole       2 W         • maximum       2 W         product feature silicon-free       Yes         product feature silicon installable supplementary devices       No         connectable conductor cross-section solid       1 mm²         • maximum       3 fs mm²         • maximum       2 N m         • minimum       1 mm²         • maximum       2 N m	number of poles	1
overvoltage category         III           degree of pollution         2           operational current at AC rated value         10 A           Supply voltage         50/60 Hz           value range of the supply voltage frequency         50/60 Hz           value range of the supply voltage at AC         240/415 V           protection class IP         IP20, with connected conductors           switching capacity current         10 kA           • according to EIN 60898 rated value         10 kA           prover loss IVI         2 W           • for rate value of the current at AC in hot operating state per pole         2 W           • maximum         2 W           product feature silicon-free         Yes           product curce silicon-free         Yes           product caterities silicon-free         Yes           onnectable conductor cross-section solid         1 mm²           • maximum         35 mm³           connectable conductor cross-section stranded         • minimum           • maximum         2 N-m           • maximum         2 N-m           • minimum         1 mm²           • maximum         2 N-m           • maximum         2 N-m           • maximum         2 N-m	design of pole	1P
degree of pollution       2         operational current at AC rated value       10 A         Supply voltage       50/60 Hz         value range of the supply voltage frequency       50/60 Hz         value range of the supply voltage at AC       240/415 V         protection class IP       IP20, with connected conductors         switching capacity current       0 kA         e.according to EN 60898 rated value       10 kA         power loss [W]       6 for rated value of the current at AC in hot operating state per pole         e.maximum       2 W         product feature silicon-free       Yes         product feature silicon-free       No         connectable conductor cross-section solid       1 mm²         e.maximum       35 mm²         connectable conductor cross-section stranded       e.minimum         e.minimum       1 mm²         e.maximum       35 mm²         tightening torque with screw-type terminals       6 maximum         e.maximum       2 N·m         e.maximum       2 N·m         e.maximum       35 mm²         tightening torque with screw-type terminals       imm²         e.maximum       2 N·m         e.maximum       2 N·m         position of power s	tripping characteristic class	С
Operational current at AC rated value       10 A         Supply voltage       10 A         value range of the supply voltage frequency       50/60 Hz         value range of the supply voltage at AC       240/415 V         protection class IP       IP20, with connected conductors         switching capacity current       0 kA         • according to EN 60898 rated value       10 kA         power loss [V]       • for rated value of the current at AC in hot operating state per pole         • maximum       2 W         product feature silicon-free       Yes         product extension installable supplementary devices       No         connectable conductor cross-section solid       • maximum         • maximum       35 mm²         connectable conductor cross-section stranded       1 mm²         • maximum       35 mm²         connectable conductor cross-section stranded       1 mm²         • minimum       2 N·m         • maximum       2 N·m         • maximum       2 N·m         • maximum       2 N·m         • inimium       2 N·m         • inimium       2 N·m         • inimium       2 N·m         • inimium       1 m²         inimium       2 N·m	overvoltage category	III
Supply voltage           value range of the supply voltage frequency         50/60 Hz           value range of the supply voltage at AC         240/415 V           protection class IP         IP20, with connected conductors           switching capacity current         10 kA           eaccording to EN 60898 rated value         10 kA           power loss [W]         2 W           of rated value of the current at AC in hot operating state         2 W           product feature silicon-free         Yes           product testension installable supplementary devices         No           connectable conductor cross-section solid         1 mm²           • maximum         1 mm²           • maximum         35 mm²           connectable conductor cross-section stranded         • minimum           • minimum         1 mm²           • maximum         35 mm²           tightening torque with screw-type terminals         2 N·m           • minimum         2 N·m           • maximum         2 N·m           • maximum         2 N·m           • maximum         2 N·m           • minimum         1 mm²           • maximum         2 N·m           • minimum         1 mm²           • maximum	degree of pollution	2
value range of the supply voltage frequency         50/60 Hz           value range of the supply voltage at AC         240/415 V           protection class IP         IP20, with connected conductors           switching capacity current         0 kA           • according to EN 60898 rated value         10 kA           power loss [W]         • for rated value of the current at AC in hot operating state per pole         2 W           • maximum         2 W         2 W           product feature silicon-free         Yes           product extension installable supplementary devices         No           connectable conductor cross-section solid         1 mm²           • maximum         35 mm²           connectable conductor cross-section stranded         1 mm²           • maximum         35 mm²           tightening torque with screw-type terminals         2 N·m           • maximum         2 N·m           • for and	operational current at AC rated value	10 A
value range of the supply voltage at AC       240/415 V         protection class IP       IP20, with connected conductors         switching capacity current       10 kA         • according to EN 60898 rated value       10 kA         power loss [W]       • for rated value of the current at AC in hot operating state per pole         • maximum       2 W         product feature silicon-free       Yes         product extension installable supplementary devices       No         connectable conductor cross-section solid       1 mm²         • maximum       35 mm²         connectable conductor cross-section stranded       • maximum         • minimum       1 mm²         • maximum       25 V·m         position of power supply cord       Any         height       84 mm         width       84 mm         midth       1         fastening method       70 mm         number of modular width units       1         fastening method       10 IN rail	Supply voltage	
protection class IP         IP20, with connected conductors           switching capacity current         10 kA           power loss [W]         6 for rated value of the current at AC in hot operating state per pole         2 W           or rated value of the current at AC in hot operating state per pole         2 W           product feature silicon-free         Yes           product extension installable supplementary devices         No           connectable conductor cross-section solid         1 mm²           • maximum         35 mm²           connectable conductor cross-section stranded         • minimum           • maximum         35 mm²           connectable conductor cross-section stranded         • minimum           • maximum         35 mm²           tightening torque with screw-type terminals         • minimum           • maximum         2 N·m           • maximum         2 N·m           iniminum         1 mm²           • maximum         2 N·m           iniminum         2 N·m           iniminum         1 mm²           • maximum         2 N·m           iniminum         1 mm²           • maximum         2 N·m           iniminum         1 mm²           • minimum         1 mm² </th <th>value range of the supply voltage frequency</th> <th>50/60 Hz</th>	value range of the supply voltage frequency	50/60 Hz
switching capacity current       10 kA         power loss [W]       10 kA         o for rated value of the current at AC in hot operating state per pole       2 W         maximum       2 W         product feature silicon-free       Yes         product extension installable supplementary devices       No         connectable conductor cross-section solid       1 mm²         maximum       35 mm²         connectable conductor cross-section stranded       1 mm²         maximum       35 mm²         connectable conductor cross-section stranded       1 mm²         maximum       35 mm²         connectable conductor cross-section stranded       1 mm²         maximum       2 N·m         maximum       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       98 g	value range of the supply voltage at AC	240/415 V
• according to EN 60898 rated value       10 kA         power loss [W]       -         • for rated value of the current at AC in hot operating state per pole       2 W         • maximum       2 W         product feature silicon-free       Yes         product extension installable supplementary devices       No         connectable conductor cross-section solid       -         • maximum       1 mm²         • maximum       35 mm²         connectable conductor cross-section stranded       -         • minimum       1 mm²         • maximum       35 mm²         connectable conductor cross-section stranded       -         • minimum       2 N-m         • maximum       2 N-m         • maximum       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       98 g	protection class IP	IP20, with connected conductors
power loss [W]         -           • for rated value of the current at AC in hot operating state per pole         2 W           • maximum         2 W           product feature silicon-free         Yes           product extension installable supplementary devices         No           connectable conductor cross-section solid         -           • minimum         1 mm²           • maximum         35 mm²           connectable conductor cross-section stranded         -           • minimum         1 mm²           • maximum         35 mm²           connectable conductor cross-section stranded         -           • minimum         2 N-m           • maximum         2 N-m           • maximum         2 N-m           • maximum         2 N-m           • minimum         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	switching capacity current	
• for rated value of the current at AC in hot operating state per pole2 W• maximum2 Wproduct feature silicon-freeYesproduct extension installable supplementary devicesNoconnectable conductor cross-section solid-• minimum1 mm²• maximum35 mm²connectable conductor cross-section stranded-• minimum1 mm²• maximum35 mm²connectable conductor cross-section stranded-• minimum1 mm²• maximum2 N·m• maximum2 N·mposition of power supply cordAnyheight84 mmwidth18 mmdepth70 mmnumber of modular width units1fastening methodDIN railmounting positionanynet weight98 g	<ul> <li>according to EN 60898 rated value</li> </ul>	10 kA
per pole• maximum2 Wproduct feature silicon-freeYesproduct extension installable supplementary devicesNoconnectable conductor cross-section solid-• minimum1 mm²• maximum35 mm²connectable conductor cross-section stranded-• minimum1 mm²• maximum35 mm²connectable conductor cross-section stranded-• minimum1 mm²• maximum2 N·mgen maximum2 N·m• maximum2 N·m• maximum2 N·m• maximum2 N·m• maximum2 N·minstallation of power supply cordAnyheight84 mmwidth18 mmdepth76 mminstallation depth1fastening methodDIN railmounting positionanynet weight98 g	power loss [W]	
product feature silicon-freeYesproduct extension installable supplementary devicesNoconnectable conductor cross-section solid1 mm²• minimum1 mm²• maximum35 mm²connectable conductor cross-section stranded-• minimum1 mm²• maximum35 mm²connectable conductor cross-section stranded-• minimum1 mm²• minimum2 N·m• maximum2 N·m• maximum2 N·m• maximum2 N·m• maximum1 mm²• minimum1 mm²• minimum2 N·m• maximum2 N·m• maximum2 N·mposition of power supply cordAnyheight84 mmwidth18 mmdepth76 mminstallation depth70 mmnumber of modular width units1fastening methodDiN railmounting positionanynet weight98 g		2 W
roduct extension installable supplementary devices       No         connectable conductor cross-section solid       1 mm²         • maximum       35 mm²         connectable conductor cross-section stranded       -         • maximum       35 mm²         connectable conductor cross-section stranded       -         • minimum       1 mm²         • maximum       35 mm²         tightening torque with screw-type terminals       -         • 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       1         number of modular width units       1         fastening method       DIN rail         mounting position       any         net weight       98 g	• maximum	2 W
connectable conductor cross-section solid         • minimum       1 mm²         • maximum       35 mm²         connectable conductor cross-section stranded         • minimum       1 mm²         • maximum       35 mm²         tightening torque with screw-type terminals         • minimum       2 N·m         • maximum       2 N·m         • maximum       2 N·m         • maximum       2 N·m         imaximum       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       98 g	product feature silicon-free	Yes
• minimum1 mm²• maximum35 mm²connectable conductor cross-section stranded• minimum1 mm²• maximum35 mm²• maximum2 N·m• minimum2 N·m• maximum2 N·m• maximum18 mm• maximum18 mm• minimum10 mm• maximum10 mm• maximum10 mm• maximum98 g	product extension installable supplementary devices	No
• maximum35 mm²connectable conductor cross-section stranded1 mm²• minimum1 mm²• maximum35 mm²tightening torque with screw-type terminals-• minimum2 N·m• maximum2 N·mposition of power supply cordAnyheight84 mmwidth18 mmdepth76 mminstallation depth70 mmnumber of modular width units1fastening methodDIN railmounting positionanynet weight98 g	connectable conductor cross-section solid	
connectable conductor cross-section stranded• minimum1 mm²• maximum35 mm²tightening torque with screw-type terminals• minimum2 N·m• maximum2 N·mposition of power supply cordAnyheight84 mmwidth18 mmdepth76 mminstallation depth70 mmnumber of modular width units1fastening methodDIN railmounting positionanynet weight98 g	• minimum	1 mm <sup>2</sup>
• minimum1 mm²• maximum35 mm²tightening torque with screw-type terminals-• minimum2 N·m• maximum2 N·mposition of power supply cordAnyheight84 mmwidth18 mmdepth76 mminstallation depth70 mmnumber of modular width units1fastening methodDIN railmounting positionanynet weight98 g	• maximum	35 mm²
• maximum35 mm²tightening torque with screw-type terminals• minimum2 N·m• maximum2 N·mposition of power supply cordAnyheight84 mmwidth18 mmdepth76 mminstallation depth70 mmnumber of modular width units1fastening methodDIN railmounting positionanynet weight98 g	connectable conductor cross-section stranded	
tightening torque with screw-type terminals• minimum2 N·m• maximum2 N·mposition of power supply cordAnyheight84 mmwidth18 mmdepth76 mminstallation depth70 mmnumber of modular width units1fastening methodDIN railmounting positionany98 g	• minimum	1 mm <sup>2</sup>
• minimum2 N·m• maximum2 N·mposition of power supply cordAnyheight84 mmwidth18 mmdepth76 mminstallation depth70 mmnumber of modular width units1fastening methodDIN railmounting positionanynet weight98 g	• maximum	35 mm²
• maximum2 N·mposition of power supply cordAnyheight84 mmwidth18 mmdepth76 mminstallation depth70 mmnumber of modular width units1fastening methodDIN railmounting positionanynet weight98 g	tightening torque with screw-type terminals	
position of power supply cordAnyheight84 mmwidth18 mmdepth76 mminstallation depth70 mmnumber of modular width units1fastening methodDIN railmounting positionanynet weight98 g	• minimum	2 N·m
height84 mmwidth18 mmdepth76 mminstallation depth70 mmnumber of modular width units1fastening methodDIN railmounting positionanynet weight98 g	• maximum	2 N·m
width18 mmdepth76 mminstallation depth70 mmnumber of modular width units1fastening methodDIN railmounting positionanynet weight98 g	position of power supply cord	Any
depth76 mminstallation depth70 mmnumber of modular width units1fastening methodDIN railmounting positionanynet weight98 g	height	84 mm
installation depth     70 mm       number of modular width units     1       fastening method     DIN rail       mounting position     any       net weight     98 g	width	18 mm
number of modular width units       1         fastening method       DIN rail         mounting position       any         net weight       98 g	depth	76 mm
fastening method     DIN rail       mounting position     any       net weight     98 g	installation depth	70 mm
mounting position     any       net weight     98 g	number of modular width units	1
net weight 98 g	fastening method	DIN rail
	mounting position	any
ambient temperature during operation	net weight	98 g
	ambient temperature during operation	

• minimum	-25 °C
• maximum	55 °C
ambient temperature during storage	
• minimum	-40 °C
• maximum	75 °C
reference code according to IEC 81346-2	F
Funther information	

Further information

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=5TJ4110-7

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

https://support.industry.siemens.com/cs/ww/en/ps/5TJ4110-7

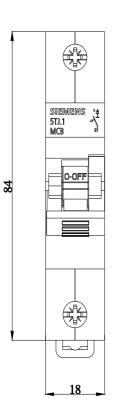
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5TJ4110-7

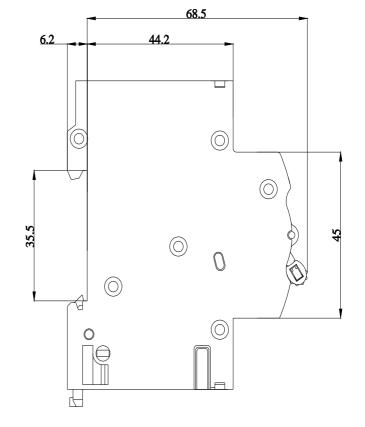
CAx-Online-Generator

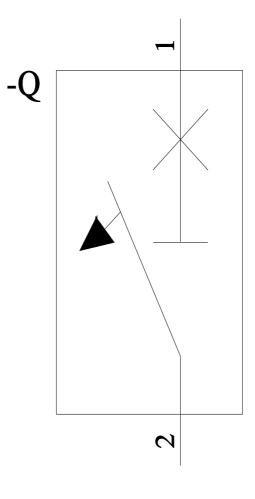
http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications







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