SIEMENS

Data sheet

5TJ8314-0



SINOVA, Residual Current Circuit Breaker, 2P, Icn: 10kA, Type AC, In: 40A 30mA, Un AC:240V

Model	
product brand name	SINOVA
General technical data	
number of poles	2
size of installation devices according to DIN 43880	1
mechanical service life (operating cycles) typical	5 000
short-circuit current of series fuse maximum permissible	40 A
short-circuit current rating	10 kA
switching function short-term delayed	No
overvoltage category	III
insulation voltage (Ui) rated value	660 V
tripping fault current rated value	30 mA
operational current	
• at 40 °C rated value	40 A
• at 45 °C rated value	40 A
• at 50 °C rated value	40 A
 at AC rated value 	40 A
residual current type	AC
let-through current permissible	3 kA
l2t value permissible	11 500 A ² ·s
Supply voltage	
supply voltage for testing equipment minimum	195 V
value range of the supply voltage frequency	50/60 Hz
value range of the operating frequency	50/60 Hz
value range of the supply voltage at AC	240/415 V
Protection class	
protection class IP	IP20, if the distribution board is installed, with connected conductors
Breaking Capacity	
switching capacity current according to IEC 61008-1 rated value	0.5 kA
Dissipation	
power loss [W]	
 for rated value of the current at AC in hot operating state per pole 	5 W
• maximum	10 W
Product details	
product feature silicon-free	Yes
product extension installable supplementary devices	No
Connections	
connectable conductor cross-section solid	
• minimum	1 mm ²

• maximum	35 mm²
connectable conductor cross-section stranded	
• minimum	1 mm ²
• maximum	35 mm²
tightening torque with screw-type terminals	
• minimum	2 N·m
• maximum	2 N·m
position of power supply cord	top or bottom
Mechanical Design	
height	85 mm
width	36 mm
depth	76 mm
installation depth	70 mm
number of modular width units	2
fastening method	DIN rail (REG)
mounting position	any
net weight	216 g
Environmental conditions	
ambient temperature during operation	
• minimum	-25 °C
• maximum	55 °C
ambient temperature during storage	
minimum permissible	-25 °C
maximum permissible	60 °C
number of test cycles for environmental testing according to IEC 60068-2-30	28
Certificates	
reference code according to IEC 81346-2	F
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	

http://www.siemens.com/lowvol

Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5TJ8314-0

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

https://support.industry.siemens.com/cs/ww/en/ps/5TJ8314-0

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

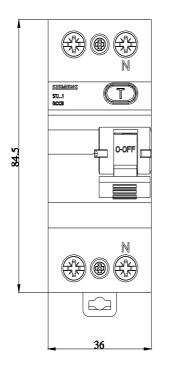
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5TJ8314-0

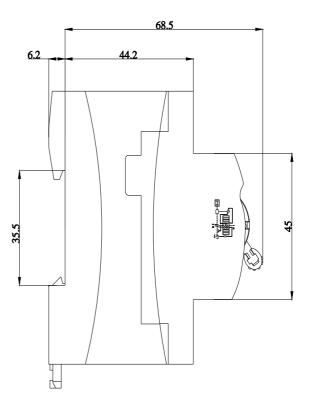
CAx-Online-Generator

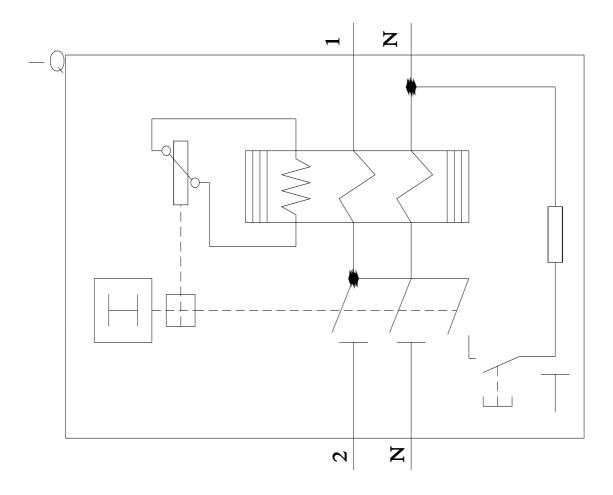
http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications







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