SIEMENS

Data sheet 5TJ7314-0



SINOPLUS, Residual Current operated circuit breaker 2-pole, Type AC, In: 40A 30mA, Un AC:240V

Model	
product brand name	SINOPLUS
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	6 kA
switching function short-term delayed	No
overvoltage category	3
degree of pollution	2
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
• operational current at AC rated value	40 A
residual current type	AC
let-through current permissible	3 kA
I2t value permissible	11 500 A²·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	4.9 W
• maximum	9.8 W
Product details	
product feature silicon-free	Yes
product extension installable supplementary devices	No

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Connections	
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
position of power supply cord	top or bottom
Mechanical Design	
height	84.5 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	50 °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

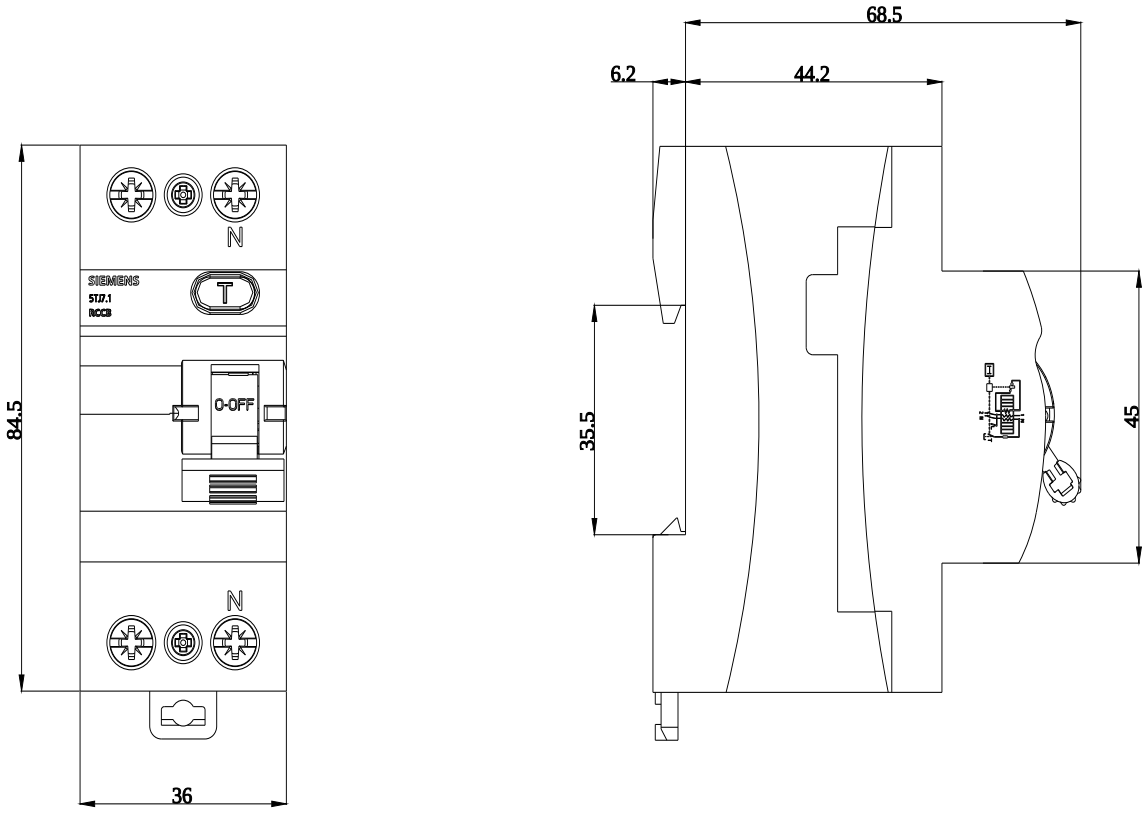
Approvals Certificates

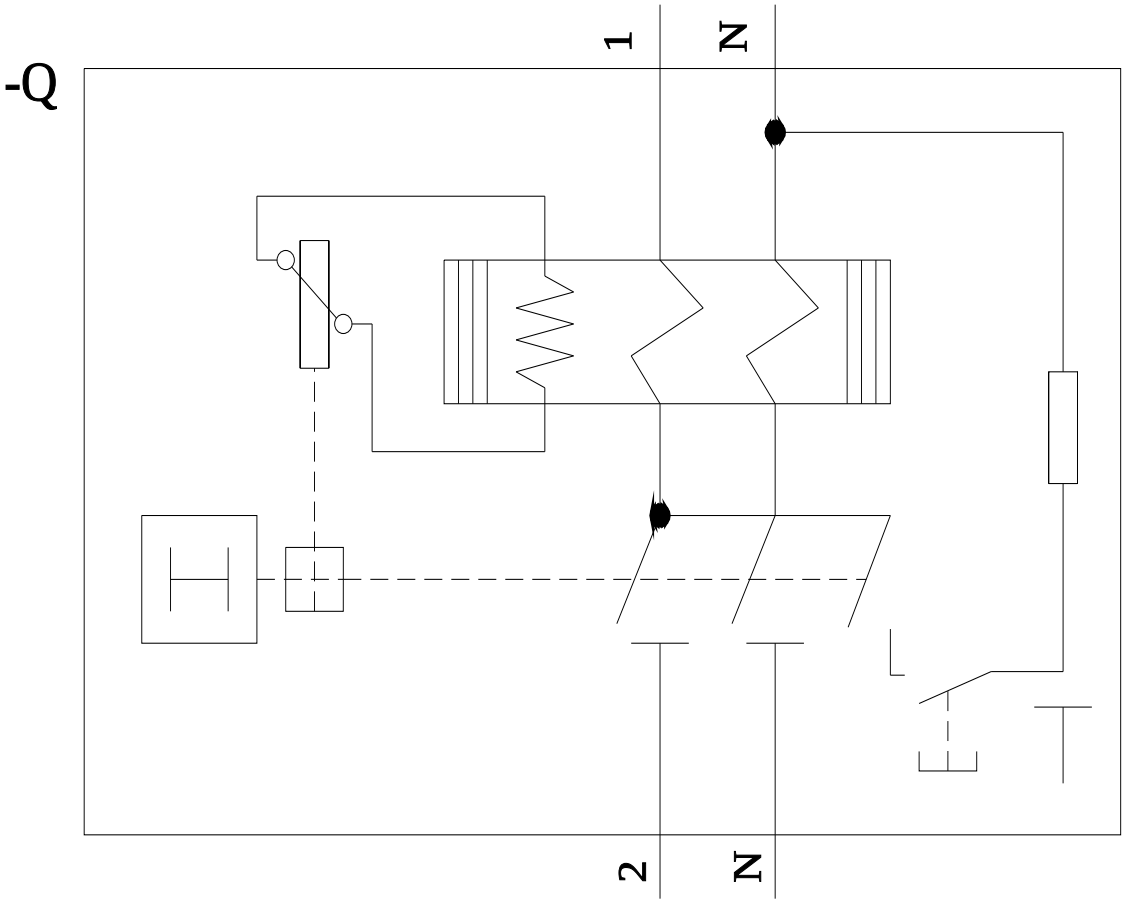
General Product Approval	Test Certificates
AR	Type Examination Certificate

Further information

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012
Information- and Downloadcenter (Catalogs, Brochures,…)
https://www.siemens.com/lowvoltage/catalogs
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5TJ7314-0
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/5TJ7314-0
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5TJ7314-0
CAx-Online-Generator
https://www.siemens.com/cax
Tender specifications
https://www.siemens.com/specifications
Kennlinien
https://curves.simaris.siemens.com/curves/5TJ7314-0

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last modified: 11/28/2025

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