



SINOPLUS, Residual Current operated circuit breaker 2-pole, Type AC, In: 25A 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	25 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 - at 45 °C rated value - at 50 °C rated value - operational current at AC rated value	25 A 25 A 25 A 25 A
residual current type	AC
let-through current permissible	1.7 kA
I ² t value permissible	3 700 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 - maximum	1.6 W 3.2 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 mm ²
connectable conductor cross-section stranded	
• minimum	1 mm ²
• maximum	35 mm ²
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



[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=5TJ7312-0 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5TJ7312-0 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5TJ7312-0 CAX-Online-Generator https://www.siemens.com/cax Tender specifications https://www.siemens.com/specifications Kennlinien https://curves.simarisiemens.com/curves/5TJ7312-0



