SIEMENS

Data sheet 5SU1324-6KX13

RCBO, Icn: 10 kA, 2P, type A, 30 mA, B char., In: 13 A, Un AC: 110 V



Model	
Product brand name	SENTRON
Product designation	RCBO
Design of the product	Instantaneous

General technical data	
Number of poles	2
Number of poles / Note	2P
Number of poles / with protection	2
Tripping characteristic class	B
circuit-breaker / Design	5SU1
Mechanical service life (switching cycles) / typical	10 000
Overvoltage category	III
Degree of pollution	2

Voltage	
Surge current resistance / at (8/20) µs	1 kA

Supply voltage	
Type of voltage	AC
Operating current / at AC / rated value	13 A

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Supply voltage	
• at AC / rated value	110/120 V
• for testing equipment / minimum	100 V
Operating frequency	50 Hz
Supply voltage frequency / rated value	50 Hz

Protection class	
Protection class IP	IP20, if the distribution board is installed, with connected conductors

Switching capacity	
Breaking capacity short-circuit current (Icn) / according to EN 61009-1 / rated value	10 kA
Switching capacity current	
• acc. to EN 60898 / rated value	10 kA
• acc. to IEC 60947-2 / rated value	20 kA
Rated residual switching capacity (IΔm) / according to IEC 61009-1	10 kA
Energy limiting class	3

Current	
Tripping residual current / rated value	30 mA
Tripping residual / rated value / derated current	
• at 30 Cel	13 A
• at 40 Cel	12.48 A
• at 45 Cel	12.22 A
• at 50 Cel	11.96 A
• at 55 Cel	11.57 A
• at 60 Cel	11.31 A
• at 65 Cel	10.53 A
• at 70 Cel	10.01 A
Type of fault current	A

Product details	
Product function / neutral conductor switching	Yes
Product feature / Touch protection	Yes
Product feature	
• halogen-free	Yes
• silicon-free	Yes

Connections	
Connectable conductor cross-section / solid	
• minimum	0.75 mm²
• maximum	35 mm²
Connectable conductor cross-section / stranded	
• minimum	0.75 mm²

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• maximum	35 mm²
Connectable conductor cross-section / finely stranded / with core end processing	
• minimum	0.75 mm²
• maximum	25 mm²
Tightening torque / with screw-type terminals	
• minimum	2.5 N·m
• maximum	3 N·m
Position / of power supply cord	Either top or bottom

Mechanical Design

Height	90 mm
Width	54 mm
Depth	77 mm
Installation depth	70 mm
Number of width units	3
Mounting position	any
Net weight	391 g

Environmental conditions

Influence of the surrounding temperature	Max. 95% humidity
Ambient temperature	
• minimum	-25 °C
• maximum	55 °C
Ambient temperature / during storage	
• minimum	-40 °C
• maximum	75 °C
Number of test cycles / for environmental testing / acc. to IEC 60068-2-30	28

Certificates

Reference code	
• acc. to DIN EN 61346-2	F
• acc. to DIN EN 81346-2	F

General Product Approval	Declaration of Conformity	Test Certificates	other	Railway	
Miscellaneous	CE EG-Konf.	Special Test Certificate	Miscellaneous	Vibration and Shock	Confirmation

Further information

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Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/lowvoltage/catalogs

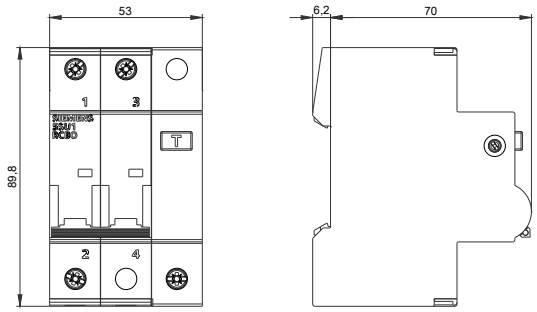
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SU1324-6KX13

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/5SU1324-6KX13

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1324-6KX13

CAx-Online-Generator
http://www.siemens.com/cax

Tender specifications
http://www.siemens.com/specifications



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