SIEMENS

Data sheet 5SU1324-6KX20



RCBO, Icn: 10 kA, 2P, type A, 30 mA, B char., In: 20 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 with protection	2
design of pole	2P
tripping characteristic class	B
mechanical service life (operating cycles) typical	10 000
overvoltage category	III
degree of pollution	2
Voltage	
type of voltage of the operating voltage	AC
insulation voltage (Ui) rated value	264 V
surge voltage resistance rated value	4 000 V
surge current resistance at (8/20) µs	1 kA
tripping fault current rated value	30 mA
operational current	
● at 30 °C rated value	20 A
● at 40 °C rated value	18.8 A
● at 45 °C rated value	18.2 A
● at 50 °C rated value	17.4 A
● at 55 °C rated value	16.2 A
● at 60 °C rated value	16.2 A
● at 65 °C rated value	15.4 A
● at 70 °C rated value	14.6 A
● at AC rated value	20 A
residual current type	A
Supply voltage	
supply voltage	
● at AC rated value	110/120 V
● for testing equipment minimum	100 V
operating frequency	50/60 Hz
supply voltage frequency rated value	50 Hz
Protection class	
protection class IP	IP20, if the distribution board is installed, with connected conductors
Breaking Capacity	
short-circuit current breaking capacity (Icn) according to EN 61009-1 rated value	10 kA

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switching capacity current	
● according to EN 60898 rated value	10 kA
● according to IEC 60947-2 rated value	20 kA
rated residual switching capacity (IΔm) according to IEC 61009-1	10 kA
energy limitation class	3
Dissipation	
power loss [W]	
● maximum	5.7 W
Product details	
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
● 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 modular width units	3
mounting position	any
net weight	412 g
weight with packaging	412 g
Environmental conditions	
influence of the surrounding temperature	Max. 95% humidity
ambient temperature during operation	
● minimum	-25 °C
● maximum	55 °C
ambient temperature during storage	
● minimum	-40 °C
● maximum	75 °C
number of test cycles for environmental testing according to IEC 60068-2-30	28

Approvals Certificates

General Product Approval					Test Certificates
UKCA	CE EG-Konf.	Confirmation	Miscellaneous	EAC	Special Test Certific-ate

other			Railway	Dangerous Good	Environment
Confirmation	Miscellaneous	Miscellaneous	Confirmation	Transport Information	Environmental Con-firmations

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Further information

Siemens has decided to exit the Russian market (see here).
https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.
Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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

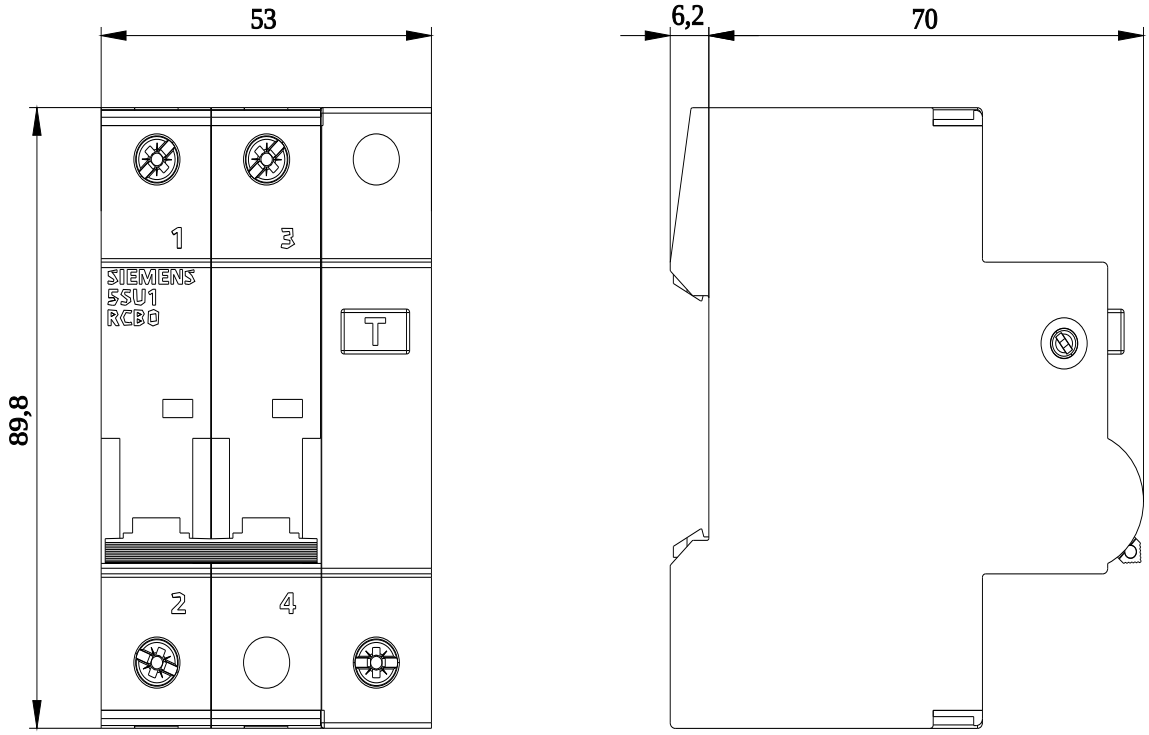
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SU1324-6KX20

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/5SU1324-6KX20

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1324-6KX20

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

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



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