SIEMENS

Data sheet 5SU1354-3KK32

RCBO, 10 kA, 1P+N, type F, super-resistant K, 30 mA, B char., In: 32 A, Un AC: 230 V

Model	
product brand name	SENTRON
product designation	RCBO
design of the product	Super resistant K
General technical data	
number of poles	2
number of poles with protection	1
design of pole	1P+N
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	3 kA
Supply voltage	
supply voltage	
● at AC rated value	230/240 V
● for testing equipment minimum	195 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
Switching capacity	
short-circuit current breaking capacity (Icn) according to EN 61009-1 rated value	10 kA
switching capacity current	
● according to EN 60898 rated value	10 kA
● according to IEC 60947-2 rated value	15 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
operational current	
● at 30 °C rated value	32 A
● at 40 °C rated value	30.4 A

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● at 45 °C rated value	29.76 A
● at 50 °C rated value	28.8 A
● at 55 °C rated value	27.84 A
● at 60 °C rated value	27.2 A
● at 65 °C rated value	25.92 A
● at 70 °C rated value	24.64 A
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	36 mm
depth	77 mm
installation depth	70 mm
number of modular width units	2
mounting position	any
net weight	296 g
weight with packaging	296 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

General Product Approval				Declaration of Conformity	
Confirmation	VDE	Miscellaneous	EAC	CE EG-Konf.	UKCA

Test Certificates		other			Railway
Special Test Certificate	Miscellaneous	Confirmation	Miscellaneous	Miscellaneous	Confirmation

Railway	Dangerous Good	Environment

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[Vibration and Shock](#) [Transport Information](#) [Environmental Confirmations](#)

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

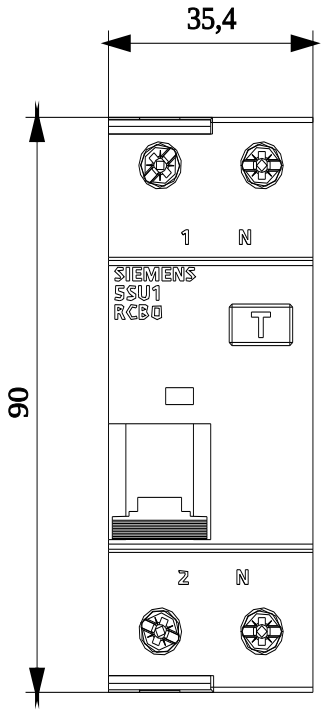
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SU1354-3KK32

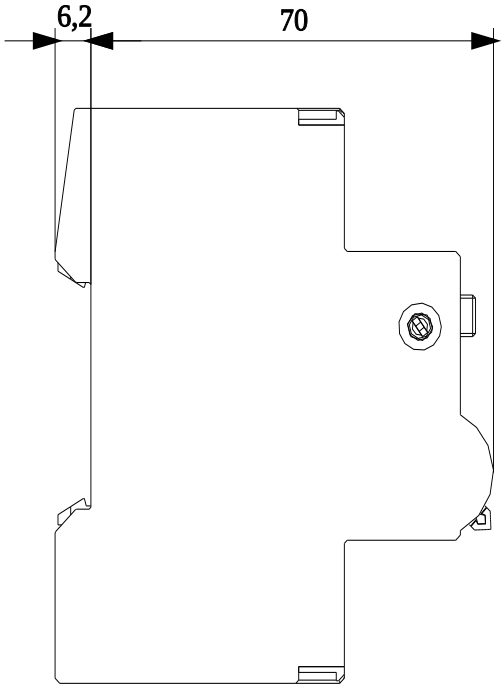
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/5SU1354-3KK32

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1354-3KK32

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

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





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