SIEMENS

Data sheet 5SU1353-1KK20



Figure similar

RCBO, 4.5 kA, 1-pole+N, type AC, 30 mA, C char, In: 20 A, Un AC: 230 V, use of these devices is not permitted in all countries. Observe national installation regulations!

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	1
design of pole	1P+N
tripping characteristic class	C
mechanical service life (operating cycles) typical	10 000
overvoltage category	3
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
• operational current at AC rated value	20 A
residual current type	AC
Supply voltage	
supply voltage	
• at AC rated value	230/240 V
• for testing equipment minimum	195 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

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Breaking Capacity	
switching capacity current	
● according to EN 60898 rated value	4.5 kA
● according to IEC 60947-2 rated value	15 kA
short-circuit current breaking capacity (Icn) according to EN 61009-1 rated value	4.5 kA
rated residual switching capacity (IΔm) according to IEC 61009-1	4.5 kA
energy limitation class	3
Dissipation	
power loss [W]	
● **maximum**	3.3 W
Product details	
product feature touch protection	Yes
product component neutral conductor switching	Yes
product feature halogen-free	Yes
product feature 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	277 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

Environment		**General Product Approval**			
Environmental Confirmations	Environmental Confirmations	CCC	IMQ	Miscellaneous	Miscellaneous

General Product Approval	**EMV**	**Test Certificates**

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EAC	Confirmation	CE EG-Konf.	UK CA	RCM	Miscellaneous

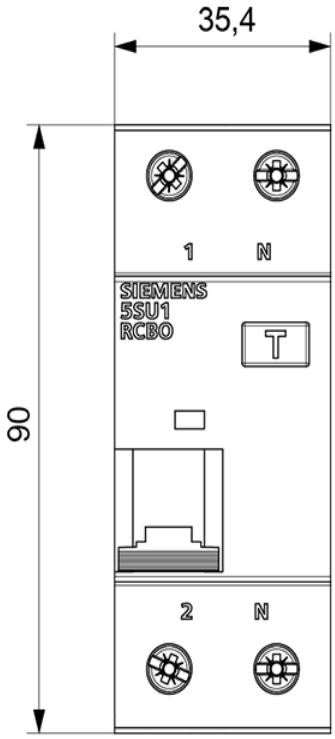
Test Certificates	other				Railway
Special Test Certific-ate	Miscellaneous	产品合格 QC PASS	Confirmation	Miscellaneous	Special Test Certific-ate

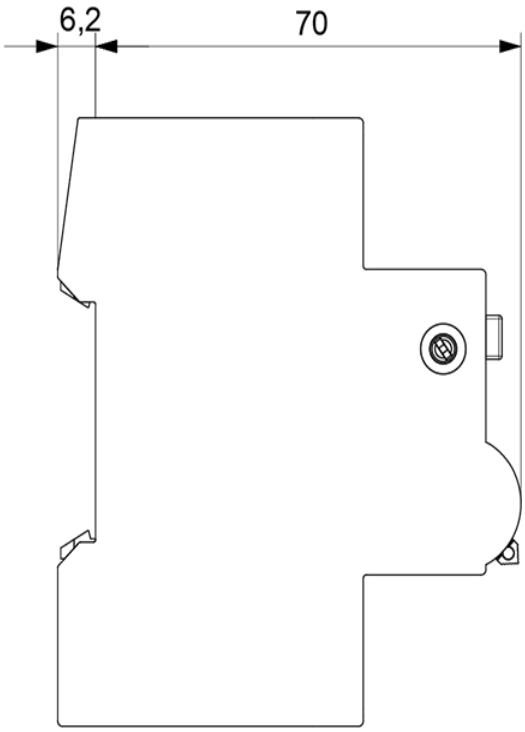
Railway	Dangerous goods
Confirmation	Transport Information

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=5SU1353-1KK20
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/5SU1353-1KK20
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1353-1KK20
CAx-Online-Generator
https://www.siemens.com/cax
Tender specifications
https://www.siemens.com/specifications
Kennlinien
https://curves.simaris.siemens.com/curves/5SU1353-1KK20

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