SIEMENS

Data sheet 5SU1656-0KK06

RCBO, 6 kA, 1P+N, Type AC, 300 mA, B char., In: 6 A, Un AC: 230 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	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	1 kA
tripping fault current rated value	300 mA
operational current	
● at 30 °C rated value	6 A
● at 40 °C rated value	5.7 A
● at 45 °C rated value	5.58 A
● at 50 °C rated value	5.4 A
● at 55 °C rated value	5.22 A
● at 60 °C rated value	5.1 A
● at 65 °C rated value	4.86 A
● at 70 °C rated value	4.62 A
● at AC rated value	6 A
residual current type	AC
Supply voltage	
supply voltage	
● at AC rated value	230/240 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
Breaking Capacity	
short-circuit current breaking capacity (Icn) according to EN 61009-1 rated value	6 kA

switching capacity current	
● according to EN 60898 rated value	6 kA
● according to IEC 60947-2 rated value	25 kA
rated residual switching capacity (IΔm) according to IEC 61009-1	6 kA
energy limitation class	3
Dissipation	
power loss [W]	
● maximum	2.7 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	36 mm
depth	77 mm
installation depth	70 mm
number of modular width units	2
mounting position	any
net weight	277 g
weight with packaging	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	

General Product Approval

Confirmation

General Product Approval	EMV	Test Certificates	other	
Miscellaneous		Miscellaneous	Confirmation	Miscellaneous

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

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

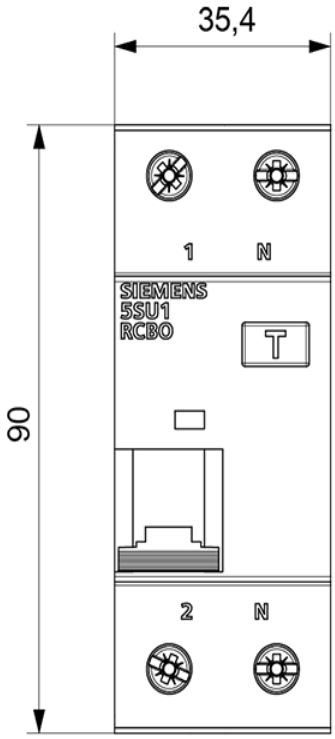
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SU1656-0KK06

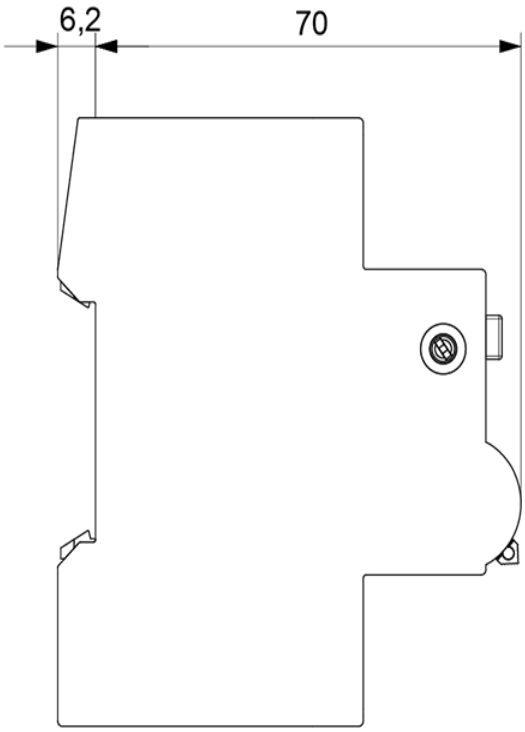
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/5SU1656-0KK06

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1656-0KK06

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

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





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