SIEMENS

Data sheet 5SU1654-7KK16

RCBO, 10 kA, 1P+N, type A, 300 mA, C-Char, In: 16 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 / Note	1P+N
Number of poles / with protection	1
Tripping characteristic class	C
circuit-breaker / Design	5SU1
Mechanical service life (switching cycles) / typical	10 000
Overvoltage category	III

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

Supply voltage	
Type of voltage	AC
Current / at AC / rated value	16 A
Supply voltage	

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• for testing equipment / minimum	100 V
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

Dissipation	
Power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	2.8 W
• maximum	5.6 W

Current	
Tripping residual current / rated value	300 mA
Tripping residual / rated value / derated current	
• at 30 Cel	16 A
• at 40 Cel	15.2 A
• at 45 Cel	14.88 A
• at 50 Cel	14.4 A
• at 55 Cel	13.92 A
• at 60 Cel	13.6 A
• at 65 Cel	12.96 A
• at 70 Cel	12.32 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 / 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
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 width units	2
Mounting position	any
Net weight	271 g

Environmental conditions

Influence of the surrounding temperature	Max. 95% humidity

Certificates

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

General Product Approval					Declaration of Conformity
CCC	IMQ	VDE	Miscellaneous	RCM	EG-Konf.

Test Certificates		other	Railway	
Special Test Certificate	Miscellaneous	Miscellaneous	Vibration and Shock	Confirmation

Further information

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=5SU1654-7KK16

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/5SU1654-7KK16

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1654-7KK16

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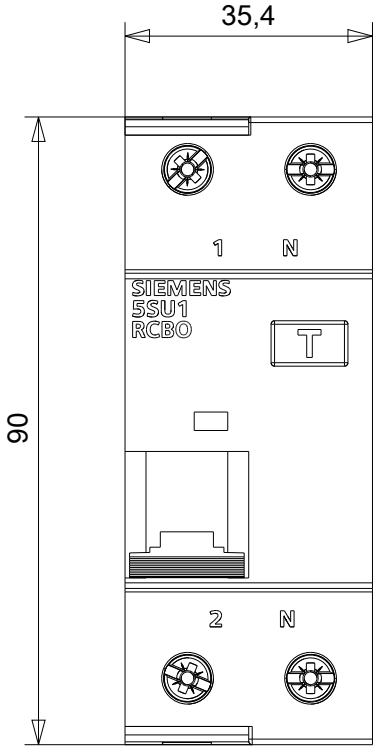
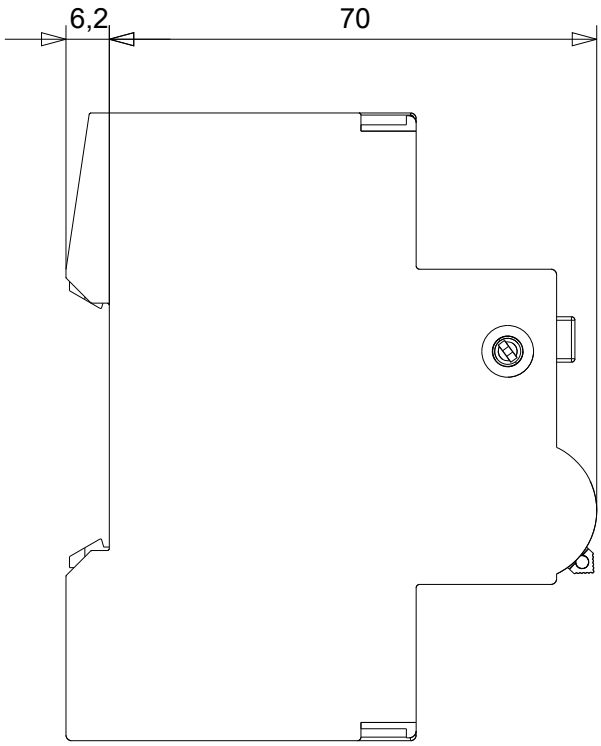
CAx-Online-Generator
http://www.siemens.com/cax

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





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