SIEMENS

Data sheet 5SU1356-1KK40

RCBO, 6 kA, 1P+N, Type AC, 30 mA, C-Char, In: 40 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	
Supply voltage	
• for testing equipment / minimum	195 V
Supply voltage frequency / rated value	50 Hz

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Protection class	
Protection class IP	IP20, if the distribution board is installed, with connected conductors
Energy limiting class	3

Switching capacity	
Switching capacity current	
• acc. to EN 60898 / rated value	6 kA
• acc. to IEC 60947-2 / rated value	10 kA
Rated residual switching capacity (IΔm) / according to IEC 61009-1	6 kA

Dissipation	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	7.8 W

Electricity	
Tripping residual current / rated value	30 mA
Tripping residual / rated value / derated current	
• at 30 Cel	40 A
• at 40 Cel	37.6 A
• at 45 Cel	36.4 A
• at 50 Cel	34.8 A
• at 55 Cel	32.4 A
• at 60 Cel	32.4 A
• at 65 Cel	30.8 A
• at 70 Cel	29.2 A
Type of fault current	AC
Current / at AC / rated value	40 A

Product details	
Product feature / Touch protection	Yes
Product feature	
• halogen-free	Yes
• silicon-free	Yes

Product function	
Product function / neutral conductor switching	Yes

Number	
Number of test cycles / for environmental testing / acc. to IEC 60068-2-30	28

Connections	
Connectable conductor cross-section / stranded	
• minimum	0.75 mm²
• maximum	35 mm²

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Connectable conductor cross-section	
• solid	
— minimum	0.75 mm²
— maximum	35 mm²
• 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
Mounting position	any
Installation depth	70 mm
Number of width units	2
Net weight	302 g

Environmental conditions

Degree of pollution	2
Influence of the surrounding temperature	Max. 95% humidity
Ambient temperature	
• minimum	-25 °C
• maximum	55 °C
• during storage / minimum	-40 °C
• during storage / maximum	75 °C

Certificates

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

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

other	Railway	
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=5SU1356-1KK40

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/5SU1356-1KK40

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1356-1KK40

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

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

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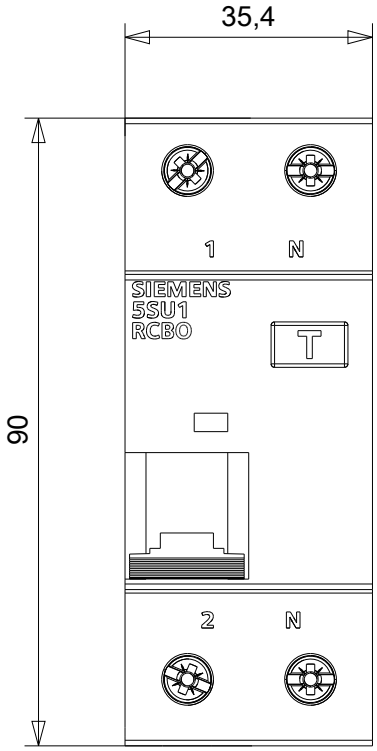

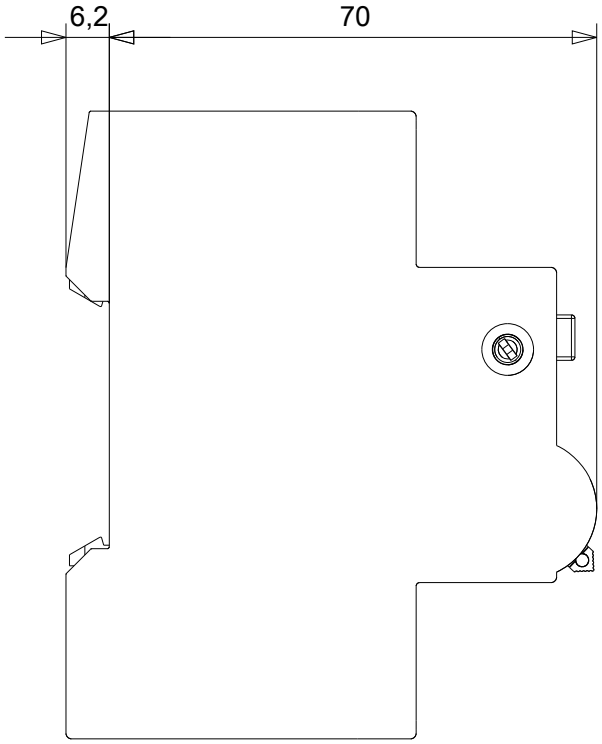

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