

RCBO, 10 kA, 4P, type A, 300 mA, B char., In: 125 A, Un AC: 400 V



Model	
Product brand name	SENTRON
Product designation	RCBO
Design of the product	Instantaneous

General technical data	
Number of poles	4
Number of poles / Note	4P
Number of poles / with protection	4
Tripping characteristic class	B
circuit-breaker / Design	5SU1
Mechanical service life (switching cycles) / typical	10 000
Overvoltage category	III

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

Supply voltage	
Type of voltage	AC
Current / at AC / rated value	125 A
Supply voltage	

• 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 (I _{cn}) / 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	10 kA
Rated residual switching capacity (I _{Δm}) / according to IEC 61009-1	10 kA
Energy limiting class	3
Current	
Tripping residual current / rated value	300 mA
Tripping residual / rated value / derated current	
• at 30 Cel	125 A
• at 40 Cel	115.62 A
• at 45 Cel	111.25 A
• at 50 Cel	106.25 A
• at 55 Cel	101.25 A
• at 60 Cel	96.25 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	
— solid	6 ... 50 mm ²
— stranded	6 ... 50 mm ²
• Connectable conductor cross-section / finely stranded / with core end processing	6 ... 35 mm ²
Tightening torque / with screw-type terminals	3 ... 3.5 N·m
Position / of power supply cord	Either top or bottom
Mechanical Design	
Height	90 mm
Depth	77 mm

Installation depth	70 mm
Number of width units	11
Mounting position	any
Net weight	2 017 g

Environmental conditions

Influence of the surrounding temperature	Max. 95% humidity
Ambient temperature	-25 ... +55 °C
<ul style="list-style-type: none"> during storage 	-40 ... +75 °C

Certificates

Reference code	
<ul style="list-style-type: none"> acc. to DIN EN 61346-2 	F
<ul style="list-style-type: none"> acc. to DIN EN 81346-2 	F

General Product Approval	Declaration of Conformity	Test Certificates	other	Railway
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VDE

[Miscellaneous](#)



EG-Konf.

[Miscellaneous](#)

[Miscellaneous](#)

[Vibration and Shock](#)

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=5SU1644-6KK82>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1644-6KK82>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1644-6KK82

CAX-Online-Generator

<http://www.siemens.com/cax>

Tender specifications

<http://www.siemens.com/specifications>

