

RCBO elm, 10 kA, 4P, type B+, short-time delayed K,
300 mA, C-char, In: 125 A, Un AC: 480 V

Model		
product brandname		SENTRON
Product designation		RCBO
General technical data		
Number of poles		4
Number of poles / Note		4P
Number of poles / with protection		4
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) μ s	kA	3
Supply voltage		
Supply voltage		
• at AC / rated value	V	480
• for testing equipment / minimum	V	100
Supply voltage frequency / rated value	Hz	50
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	kA	10
• acc. to IEC 60947-2 / rated value	kA	15
Electricity		
Tripping residual current / rated value	mA	300
rated current In / IEC, DIN/VDE / at 40 Cel	A	115.62
Type of fault current		B+
Current / at AC / rated value	A	125
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		26
Connections		
Connectable conductor cross-section / stranded		
• minimum	mm ²	6
• maximum	mm ²	50
Connectable conductor cross-section		
• solid		
— minimum	mm ²	6
— maximum	mm ²	50
• finely stranded / with core end processing		
— minimum	mm ²	6
— maximum	mm ²	35
Tightening torque / with screw-type terminals		
• minimum	N·m	3
• maximum	N·m	3.5
Position / of power supply cord		Either top or bottom
Mechanical Design		
Height	mm	90
Width	mm	198
Depth	mm	77
Mounting position		any
Installation depth	mm	70
Number of width units		11
Net weight	g	2 050
Environmental conditions		
Influence of the surrounding temperature		Max. 95% humidity
Ambient temperature		
• minimum	°C	-25
• maximum	°C	55
• during storage / minimum	°C	-40
• during storage / maximum	°C	75
Certificates		
Equipment marking		

- acc. to DIN EN 61346-2
- acc. to DIN EN 81346-2

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General Product Approval

Declaration of Conformity



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EG-Konf.

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/5SU1674-7FK82>

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

<http://support.automation.siemens.com/WW/view/en/5SU1674-7FK82/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1674-7FK82

CAX-Online-Generator

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

Tender specifications

<http://ausschreibungstexte.siemens.com/tiplv>

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