



RCBO, 10 kA, 1P+N, Type AC, 100 mA, C-Char, In: 16 A, Un AC: 230 V

Model	
product brand name	SETRON
product designation	RCBO
design of the product	Instantaneous
General technical data	
number of poles	2
number of poles / with protection	1
tripping characteristic class	C
mechanical service life (switching 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
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
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 limitation 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 fault current / rated value	100 mA
operational current	
• at 30 °C / rated value	16 A
• at 40 °C / rated value	15.2 A
• at 45 °C / rated value	14.88 A
• at 50 °C / rated value	14.4 A
• at 55 °C / rated value	13.92 A
• at 60 °C / rated value	13.6 A
• at 65 °C / rated value	12.96 A
• at 70 °C / rated value	12.32 A
• at AC / rated value	16 A
residual current type	AC
Product details	
product component / neutral conductor switching	Yes
product feature / touch protection	Yes
product feature	
• halogen-free	Yes
• silicon-free	Yes
Connections	
connectable conductor cross-section / solid	
• minimum	0.75 mm ²
• maximum	35 mm ²
connectable conductor cross-section / stranded	
• minimum	0.75 mm ²
• maximum	35 mm ²
connectable conductor cross-section / finely stranded / with core end processing	
• minimum	0.75 mm ²
• maximum	25 mm ²
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	283 g
weight / with packaging	283 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 / acc. to IEC 60068-2-30	28
Certificates	
reference code	
• acc. to DIN EN 61346-2	F
• acc. to IEC 81346-2	F
General Product Approval	
EMC	



[Miscellaneous](#)



Declaration of Conformity	Test Certificates	other	Railway
---------------------------	-------------------	-------	---------



EG-Konf.

[Special Test Certificate](#)

[Miscellaneous](#)

[Miscellaneous](#)

[Miscellaneous](#)

[Vibration and Shock](#)

Railway	Dangerous Good
---------	----------------

[Confirmation](#)

[Transport Information](#)

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=5SU1454-1KK16>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1454-1KK16>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1454-1KK16

CAX-Online-Generator

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

Tender specifications

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



