



RCBO, 6 kA, 4P Type A, 30 mA, C-Char, In: 25A Un: 400V Energy limiting class 1: check for normative use limitations

Model	
product brand name	SENTRON
product designation	RCBO
design of the product	Instantaneous
General technical data	
number of poles	4
number of poles with protection	4
design of pole	4P
tripping characteristic class	C
mechanical service life (operating cycles) typical	10 000
overvoltage category	III
degree of pollution	3
Voltage	
type of voltage of the operating voltage	AC
insulation voltage (Ui) rated value	500 V
surge voltage resistance rated value	4 000 V
surge current resistance at (8/20) µs	0.25 kA
Supply voltage	
supply voltage	
• at AC rated value	400 V
• for testing equipment minimum	195 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	
short-circuit current breaking capacity (Icn) according to EN 61009-1 rated value	6 kA
switching capacity current	
• according to EN 60898 rated value	6 kA
• according to IEC 60947-2 rated value	6 kA
residual switching capacity (IΔm) according to IEC 61009-1	4.5 kA
energy limitation class	1
Dissipation	
power loss [W]	
• maximum	2.9 W
Current	
tripping fault current rated value	30 mA
operational current	

- at 30 °C rated value
- at 40 °C rated value
- at 45 °C rated value
- at 50 °C rated value
- at 55 °C rated value
- at 60 °C rated value
- at AC rated value

25 A
24 A
23.5 A
23 A
22.5 A
22 A
25 A
A

residual current type

Product details

product feature

- halogen-free

No

Connections

connectable conductor cross-section solid

- minimum
- maximum

1 mm²
35 mm²

connectable conductor cross-section stranded

- minimum
- maximum

1 mm²
35 mm²

connectable conductor cross-section finely stranded with core end processing

- minimum
- maximum

1 mm²
35 mm²

tightening torque with screw-type terminals

- minimum
- maximum

2 N·m
2 N·m

position of power supply cord

Either top or bottom

Mechanical Design

height

85 mm

width

72 mm

depth

72 mm

installation depth

70 mm

number of modular width units

4

mounting position

any

net weight

448 g

weight with packaging

498 g

Environmental conditions

influence of the surrounding temperature

Max. 95% humidity

ambient temperature during operation

- minimum
- maximum

-25 °C
40 °C

ambient temperature during storage

- minimum
- maximum

-40 °C
70 °C

number of test cycles for environmental testing according to IEC 60068-2-30

28

General Product Approval

Declaration of Conformity

[Confirmation](#)



[Miscellaneous](#)



other

Dangerous Good

[Miscellaneous](#)

[Environmental Con-
firmations](#)

[Miscellaneous](#)

[Transport Informa-
tion](#)

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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=5SU1346-7FP25>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1346-7FP25>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1346-7FP25

CAX-Online-Generator

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

Tender specifications

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



