

RCBO 40 A 2-pole 4-module D characteristic Type AC 100mA

Model	
product brand name	SENTRON
product designation	RCBO
General technical data	
number of poles	2
number of poles with protection	2
design of pole	2P
tripping characteristic class	D
overvoltage category	3
degree of pollution	2
Voltage	
type of voltage of the operating voltage	AC
insulation voltage (Ui) rated value	440 V
surge voltage resistance rated value	4 V
tripping fault current rated value	100 mA
<ul style="list-style-type: none"> operational current at AC rated value 	40 A
residual current type	AC
Supply voltage	
supply voltage <ul style="list-style-type: none"> at AC rated value 	240/415 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
Breaking Capacity	
switching capacity current <ul style="list-style-type: none"> according to EN 60898 rated value according to IEC 60947-2 rated value 	10 kA 15 kA
short-circuit current breaking capacity (Icn) according to EN 61009-1 rated value	10 kA
rated residual switching capacity (IΔm) according to IEC 61009-1	10 kA
energy limitation class	3
Product details	
product feature touch protection	Yes
product component neutral conductor switching	Yes
Connections	
position of power supply cord	Either top or bottom
Mechanical Design	
height	90 mm
width	72 mm
depth	70 mm
installation depth	70 mm
number of modular width units	4
mounting position	any
Net Weight	99 999 kg
Environmental conditions	
influence of the surrounding temperature	Max. 95% humidity
ambient temperature during operation	

• minimum	-5 °C
• maximum	45 °C
ambient temperature during storage	
• minimum	-40 °C
• maximum	75 °C

Approvals Certificates

Environment	General Product Approval				
Environmental Con- firmations	Environmental Con- firmations	Miscellaneous		Confirmation	

General Product Ap- proval	other	Dangerous goods			
 EG-Konf.	Miscellaneous	Confirmation		Miscellaneous	Transport Information

Further information

- Information on the packaging
<https://support.industry.siemens.com/cs/ww/en/view/109813875>
- Information for data generation and storage
<https://support.industry.siemens.com/cs/ww/en/view/109995012>
- Information- and Downloadcenter (Catalogs, Brochures,...)
<https://www.siemens.com/lowvoltage/catalogs>
- Industry Mall (Online ordering system)
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SU1424-2RC40>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<https://support.industry.siemens.com/cs/ww/en/ps/5SU1424-2RC40>
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1424-2RC40
- CAX-Online-Generator
<https://www.siemens.com/cax>
- Tender specifications
<https://www.siemens.com/specifications>
- Characteristic curves
[https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP="HAUPT"></mmp_prod_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=)

last modified: 8/6/2025 

