SIEMENS

Data sheet 5SU1324-7FR25



RCBO, 10 kA, 2P Type A, 30 mA, C-Char, In: 25A Un: 230V super-resistant

Model	
product brand name	SENTRON
product designation	RCBO
design of the product	Super resistant K
General technical data	
number of poles	2
number of poles with protection	2
design of pole	2P
tripping characteristic class	C
mechanical service life (operating cycles) typical	10 000
overvoltage category	3
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	3 kA
tripping fault current rated value	30 mA
● operational current	
— at 30 °C rated value	25 A
— at 40 °C rated value	24 A
— at 45 °C rated value	23.5 A
— at 50 °C rated value	23 A
— at 55 °C rated value	22.5 A
— at 60 °C rated value	22 A
— at 70 °C rated value	21 A
● operational current at AC rated value	25 A
residual current type	A
Supply voltage	
supply voltage	
● at AC rated value	230/240 V
● for testing equipment minimum	195 V
operating frequency	50/60 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	

Subject to change without notice
© Copyright Siemens

● according to EN 60898 rated value	10 kA
● according to IEC 60947-2 rated value	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	4.5 kA
energy limitation class	3
Dissipation	
power loss [W]	
● for rated value of the current at AC in hot operating state per pole	1.44 W
● maximum	2.9 W
Product details	
product feature touch protection	Yes
product component neutral conductor switching	Yes
product feature halogen-free	No
Connections	
connectable conductor cross-section solid	
● minimum	1 mm²
● maximum	35 mm²
connectable conductor cross-section stranded	
● minimum	1 mm²
● maximum	35 mm²
connectable conductor cross-section finely stranded with core end processing	
● minimum	1 mm²
● maximum	35 mm²
tightening torque with screw-type terminals	
● minimum	2 N·m
● maximum	2 N·m
position of power supply cord	Either top or bottom
Mechanical Design	
height	85 mm
width	36 mm
depth	72 mm
installation depth	70 mm
number of modular width units	2
mounting position	any
Net Weight	258 g
weight with packaging	274 g
Environmental conditions	
influence of the surrounding temperature	Max. 95% humidity
ambient temperature during operation	
● minimum	-25 °C
● maximum	40 °C
ambient temperature during storage	
● minimum	-40 °C
● maximum	70 °C
number of test cycles for environmental testing according to IEC 60068-2-30	28

Approvals Certificates

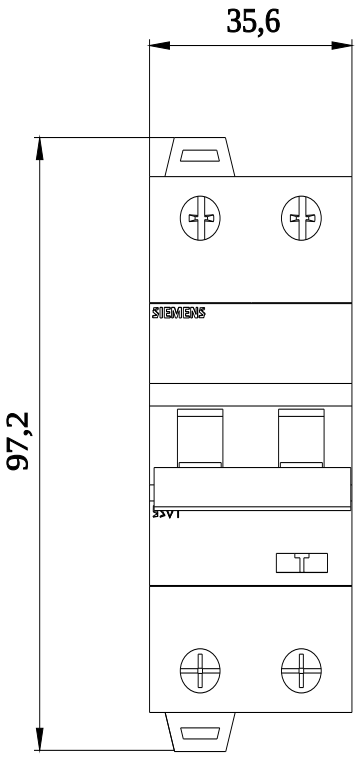
General Product Approval				**other**
CE EG-Konf.	UKCA	CCC	Miscellaneous	EAC Confirmation

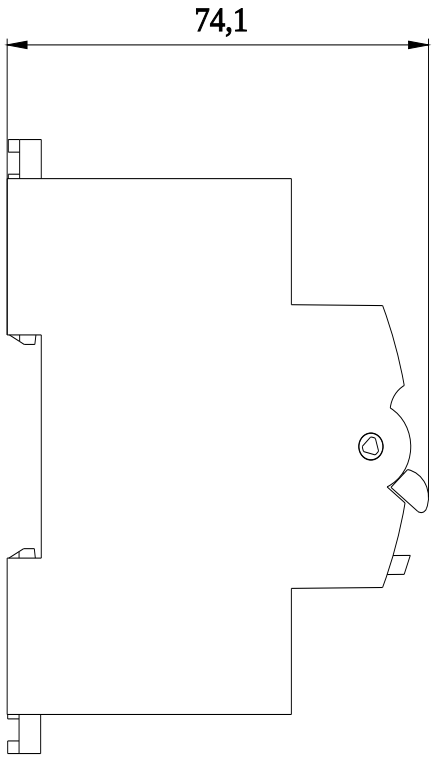
other	**Dangerous goods**	**Environment**

© Copyright Siemens

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=5SU1324-7FR25
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/5SU1324-7FR25
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1324-7FR25
CAx-Online-Generator
https://www.siemens.com/cax
Tender specifications
https://www.siemens.com/specifications





last modified: 7/22/2025

Subject to change without notice
© Copyright Siemens

Subject to change without notice
© Copyright Siemens