SIEMENS

Data sheet 5SU1346-7FP25

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
rated residual switching capacity (IΔm) according to IEC 61009-1	4.5 kA
energy limitation class	1
Dissipation	
power loss [W]	
● maximum	2.9 W
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
Product details	
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	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	-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

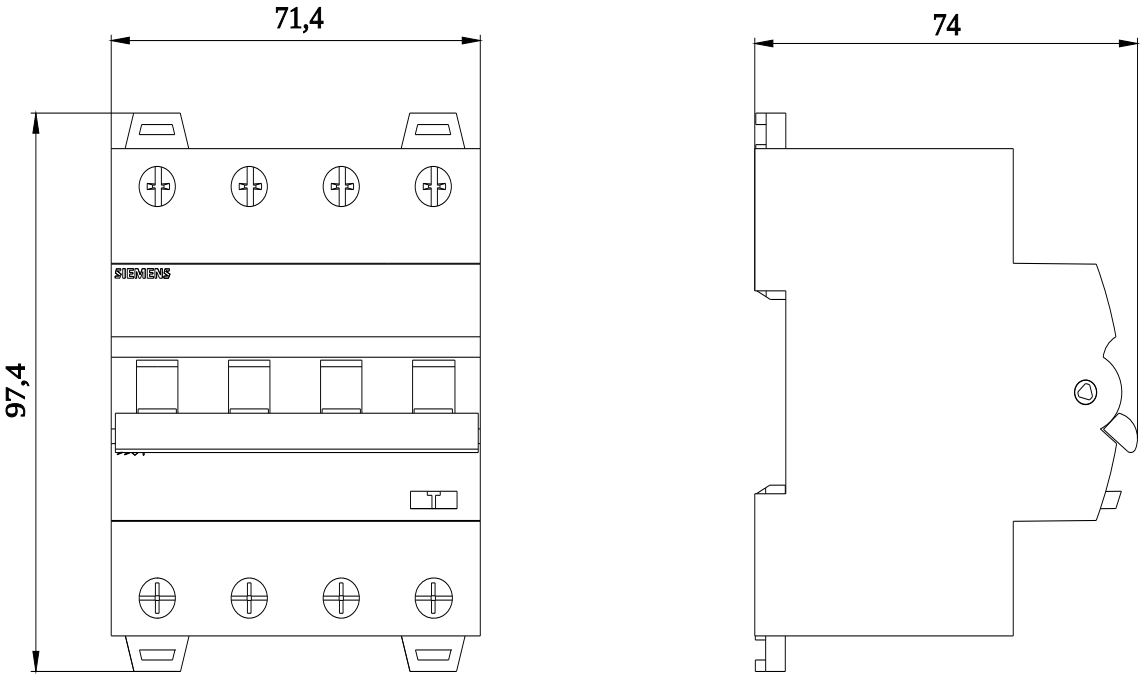
General Product Approval			Declaration of Conformity		
Confirmation		Miscellaneous			

other			Dangerous Good	Environment
Confirmation	Miscellaneous	Miscellaneous	Transport Information	Environmental Confirmations

Further information

Siemens has decided to exit the Russian market (see here).
https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business
Siemens is working on the renewal of the current EAC certificates.
Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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



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