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

product brand name product designation RCBO design of the product Instantaneous General technical data number of poles with protection design of pole tripping characteristic class Comechanical service life (operating cycles) typical overvoltage category III degree of pollution voltage category III degree of pollution 3 Voltage Type of voltage of the operating voltage AC Insulation voltage (II) rated value surge voltage resistance rated value surge voltage resistance rated value 4 000 V surge current resistance at (8/20) μs Supply voltage at AC rated value for testing equipment minimum poperating frequency supply voltage supply voltage 1950 V supply voltage 1960 V 60 V	Model	
design of the product General technical data number of poles number of poles with protection design of pole tripping characteristic class C mechanical service life (operating cycles) typical overvoltage category lill degree of pollution 3 Voltage Type of voltage of the operating voltage type of voltage of the operating voltage AC Insulation voltage (UI) rated value surge voltage resistance rated value surge voltage resistance rated value surge voltage resistance rated value 400 V surge voltage supply voltage • at AC rated value • for testing equipment minimum 195 V operating frequency for testing equipment winder operating frequency rated value Frotection class IP Switching capacity Switching capacity switching capacity current • according to EN 60898 rated value • 6 kA • 6 kA • according to EN 60898 rated value • 6 kA • according to EN 60898 rated value • 6 kA • according to EN 60898 rated value • 6 kA • according to EN 60898 rated value • 6 kA • according to EN 60898 rated value • 6 kA • according to EN 60898 rated value • 6 kA • according to EN 60898 rated value • 6 kA • according to EN 60898 rated value • 6 kA • according to EN 60898 rated value • 6 kA • 5 kA Dissipation power loss [W] • maximum power loss [W] • maximum power loss [W] • maximum poperational current • at 30 °C rated value • at 30 °C rated value	product brand name	SENTRON
Ceneral technical data number of poles with protection	product designation	RCBO
number of poles with protection 4 number of poles with protection 4 design of pole tripping characteristic class C mechanical service life (operating cycles) typical 10 000 overvoltage category IIII 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 voltage resistance at (8/20) µs 0.25 kA Supply voltage • at AC rated value 400 V • for testing equipment minimum 195 V operating frequency 50 Hz supply voltage requency 50 Hz supply voltage frequency 50 Hz supply voltage frequency 50 Hz supply voltage frequency 750 Hz	design of the product	Instantaneous
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tripping characteristic class mechanical service life (operating cycles) typical overvoltage category llll degree of pollution 3 Voltage Type of voltage of the operating voltage Vype of voltage (Ui) rated value Surge voltage resistance rated value Surge voltage resistance rated value 4000 V surge current resistance at (8/20) µs 0.25 kA Supply voltage supply voltage supply voltage **of resting equipment minimum 195 V operating frequency 50 Hz supply voltage frequency 50 Hz **protection class IP **protection class IP	number of poles with protection	4
mechanical service life (operating cycles) typical overvoltage category 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 voltage resistance at (8/20) µs 0.25 kA Supply voltage **eat AC rated value **of ratesting equipment minimum 95 V operating frequency supply voltage frequency supply voltage frequency 50 Hz supply voltage frequency frequency 50 Hz supply voltage frequency 50 Hz supply voltage frequency frequency 50 Hz supply voltage frequency frequency 50 Hz supply voltage frequency 50 Hz supply voltage frequency frequency 50 Hz supply voltage 6 kA	design of pole	4P
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Voltage type of voltage of the operating voltage type of voltage of the operating voltage insulation voltage (UI) rated value surge voltage resistance rated value surge voltage resistance at (8/20) µs 0.25 kA Supply voltage supply voltage • at AC rated value • for testing equipment minimum 195 V operating frequency supply voltage frequency at the value • for testing equipment minimum 195 V operating frequency 50 Hz supply voltage frequency atted value Frotection class protection class IP 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 6 kA 6 kA 6 kA 6 kA • according to EN 60898 rated value • according to EC 60947-2 rated value • according to EC 60947-2 rated value • according to EC 60947-2 rated value • according to EC 60947-2 rated value • according to EC 60947-2 rated value • according to EC 61009- 1 energy limitation class 1 Dissipation power loss [W] • maximum 2.9 W operational current • at 30 °C rated value • at 30 °C rated value 25 A	overvoltage category	III
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supply voltage	surge current resistance at (8/20) µs	0.25 kA
• at AC rated value • 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 switching capacity current • according to EN 60898 rated value • according to EN 60998 rated value • according to IEC 60947-2 rated value for kA rated residual switching capacity (IΔm) according to IEC 61009-1 energy limitation class 1 Dissipation power loss [W] • maximum 2.9 W operational current • at 30 °C rated value 25 A	Supply voltage	
• for testing equipment minimum operating frequency supply voltage frequency rated value 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 switching capacity current • according to EN 60898 rated value • according to IEC 60947-2 rated value • be the condition of the co	supply voltage	
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supply voltage frequency rated value 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 switching capacity current • according to EN 60898 rated value • according to IEC 60947-2 rated value for kA rated residual switching capacity (I\Deltam) according to IEC 61009-1 energy limitation class IDissipation power loss [W] • maximum operational current • at 30 °C rated value 25 A	 for testing equipment minimum 	195 V
Protection class IP20, if the distribution board is installed, with connected conductors Switching capacity 6 kA short-circuit current breaking capacity (Icn) according to EN 61009-1 rated value 6 kA switching capacity current 6 kA • 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 1 Dissipation power loss [W] • maximum • maximum 2.9 W operational current • at 30 °C rated value	operating frequency	50 Hz
protection class IP Switching capacity short-circuit current breaking capacity (Icn) according to EN 61009-1 rated value switching capacity current • according to EN 60898 rated value • according to IEC 60947-2 rated value rated residual switching capacity (I\Dm) according to IEC 61009-1 energy limitation class Dissipation power loss [W] • maximum operational current • at 30 °C rated value IP20, if the distribution board is installed, with connected conductors 6 kA 6 kA 4.5 kA 1 2.9 W	supply voltage frequency rated value	50 Hz
Switching capacity short-circuit current breaking capacity (Icn) according to EN 61009-1 rated value switching capacity current • according to EN 60898 rated value • according to IEC 60947-2 rated value rated residual switching capacity (I\Deltam) according to IEC 61009- 1 energy limitation class Dissipation power loss [W] • maximum operational current • at 30 °C rated value 6 kA 25 A	Protection class	
short-circuit current breaking capacity (Icn) according to EN 61009-1 rated value switching capacity current • according to EN 60898 rated value • according to IEC 60947-2 rated value rated residual switching capacity (I\Deltam) according to IEC 61009-1 energy limitation class 1 Dissipation power loss [W] • maximum operational current • at 30 °C rated value 6 kA 2 kA 2 5 A	protection class IP	IP20, if the distribution board is installed, with connected conductors
switching capacity current • according to EN 60898 rated value • according to IEC 60947-2 rated value fated residual switching capacity (I∆m) according to IEC 61009- energy limitation class 1 Dissipation power loss [W] • maximum operational current • at 30 °C rated value 6 kA 4.5 kA 1 2.9 W	Switching capacity	
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rated residual switching capacity (IΔm) according to IEC 61009- 1 energy limitation class 1 Dissipation power loss [W] • maximum operational current • at 30 °C rated value 4.5 kA 2.9 W	 according to EN 60898 rated value 	6 kA
1 energy limitation class Dissipation power loss [W]	 according to IEC 60947-2 rated value 	6 kA
Dissipation power loss [W] • maximum operational current • at 30 °C rated value 2.9 W 25 A		4.5 kA
power loss [W] • maximum operational current • at 30 °C rated value 2.9 W 2.9 W	energy limitation class	1
◆ maximum 2.9 W operational current ◆ at 30 °C rated value 25 A	Dissipation	
operational current • at 30 °C rated value 25 A	power loss [W]	
• at 30 °C rated value 25 A	maximum	2.9 W
	operational current	
• at 40 °C rated value 24 A	• 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	ZIA	
product feature		
halogen-free	No	
Connections	NO	
connectable conductor cross-section solid		
• minimum	1 mm²	
maximum	35 mm²	
connectable conductor cross-section stranded	00 111111	
• 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	<u>Miscellaneous</u>	Miscellaneous	Transport Information	Environmental Con- firmations

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

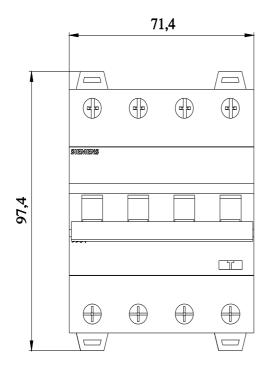
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SU1346-7FP25

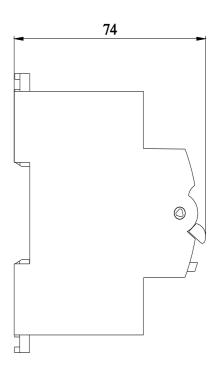
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

CAx-Online-Generator http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





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