SIEMENS

Data sheet 5SU1674-8EK81

RCBO, 10 kA, 4P, type B+, selective, 300 mA, D char., In: 100 A, Un AC: 400 V

Figure similar

Model	
product brand name	SENTRON
product designation	RCBO
design of the product	selective
General technical data	
number of poles	4
number of poles with protection	4
design of pole	4P
tripping characteristic class	D
mechanical service life (operating cycles) typical	10 000
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	4 000 V
surge current resistance at (8/20) µs	5 kA
tripping fault current rated value	300 mA
• operational current	
— at 30 °C rated value	100 A
— at 40 °C rated value	92.5 A
— at 45 °C rated value	89 A
— at 50 °C rated value	85 A
— at 55 °C rated value	81 A
— at 60 °C rated value	77 A
• operational current at AC rated value	100 A
residual current type	B+
Supply voltage	
supply voltage	
• at AC rated value	230/400 V
• for testing equipment minimum	100 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	

● according to EN 60898 rated value	10 kA
● according to IEC 60947-2 rated value	10 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
Dissipation	
power loss [W]	
● for rated value of the current at AC in hot operating state per pole	14 W
● maximum	42 W
Product details	
product feature touch protection	Yes
product component neutral conductor switching	Yes
product feature halogen-free	Yes
product feature silicon-free	Yes
Connections	
connectable conductor cross-section solid	
● minimum	6 mm²
● maximum	50 mm²
connectable conductor cross-section stranded	
● minimum	6 mm²
● maximum	50 mm²
connectable conductor cross-section finely stranded with core end processing	
● minimum	6 mm²
● maximum	35 mm²
tightening torque with screw-type terminals	
● minimum	3 N·m
● maximum	3.5 N·m
position of power supply cord	Either top or bottom
Mechanical Design	
height	90 mm
width	198 mm
depth	77 mm
installation depth	70 mm
number of modular width units	11
mounting position	any
Net Weight	2 078 g
Environmental conditions	
influence of the surrounding temperature	Max. 95% humidity
ambient temperature during operation	
● minimum	-25 °C
● maximum	55 °C
ambient temperature during storage	
● minimum	-40 °C
● maximum	75 °C
number of test cycles for environmental testing according to IEC 60068-2-30	28

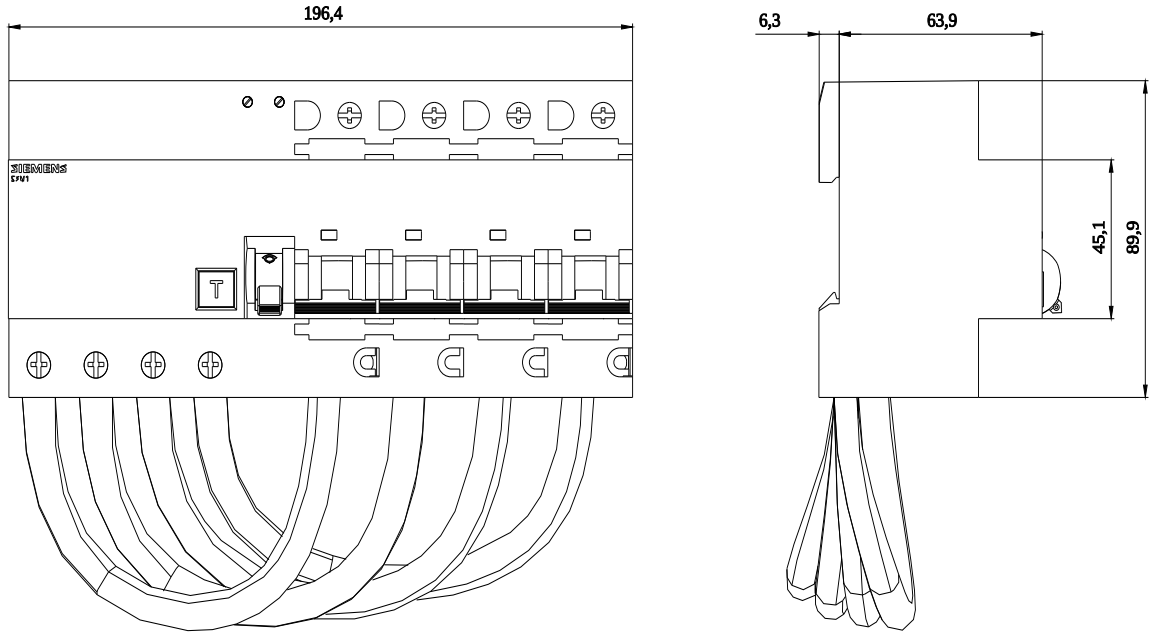
Approvals Certificates

Environment		General Product Approval			
Environmental Confirmations	Environmental Confirmations	Miscellaneous	EAC	Confirmation	CE EG-Konf.

General Product Approval	other	Dangerous goods

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=5SU1674-8EK81
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/5SU1674-8EK81
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1674-8EK81
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>



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