SIEMENS

Data sheet

5SU1653-1GV16



RCBO, Icn: 4.5 kA, 1P+N, Type AC, 300 mA, C-Char, In: 16 A, Un AC: 230 V, bulk packaging

Model				
product brand name	SENTRON			
product designation	RCBO			
design of the product	Instantaneous			
General technical data				
number of poles	2			
number of poles with protection	1			
design of pole	1P+N			
tripping characteristic class	C			
mechanical service life (operating cycles) typical	10 000			
overvoltage category	III			
degree of pollution	2			
Voltage				
type of voltage of the operating voltage	AC			
insulation voltage (Ui) rated value	264 V			
surge voltage resistance rated value	4 000 V			
surge current resistance at (8/20) µs	1 kA			
tripping fault current rated value	300 mA			
operational current				
• at 30 °C rated value	16 A			
• at 40 °C rated value	15.2 A			
• at 45 °C rated value	14.88 A			
• at 50 °C rated value	14.4 A			
• at 55 °C rated value	13.92 A			
• at 60 °C rated value	13.6 A			
• at 65 °C rated value	12.96 A			
• at 70 °C rated value	12.32 A			
• at AC rated value	16 A			
residual current type	AC			
Supply voltage				
supply voltage				
 at AC rated value 	230/240 V			
 for testing equipment minimum 	100 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				
short-circuit current breaking capacity (Icn) according to EN 4.5 kA 61009-1 rated value				

switching capacity current				
according to EN 6		4.5 kA		
according to IEC 6		15 kA		
rated residual switching	capacity (I∆m) according to IEC 61009-	4.5 kA		
energy limitation class		3		
Dissipation				
power loss [W]				
maximum		2.8 W		
Product details				
product feature				
 halogen-free 		Yes		
 silicon-free 		Yes		
Connections				
connectable conductor c	cross-section solid			
 minimum 		0.75 mm²		
maximum		35 mm ²		
connectable conductor of	cross-section stranded			
minimum		0.75 mm²		
 maximum 		35 mm²		
	ross-section finely stranded with core			
minimum		0.75 mm²		
maximum		25 mm ²		
tightening torque with sc	rew-type terminals	20 1111		
minimum		2.5 N·m		
maximum		3 N·m		
position of power supply	cord	Either top or bottom		
Mechanical Design				
height		90 mm		
width		36 mm		
depth		77 mm		
installation depth		70 mm		
number of modular width	unite	2		
mounting position	i units			
		any 273 g		
net weight weight weight with packaging				
Environmental condition		273 g		
		Marco 050/ hoursidity		
influence of the surround		Max. 95% humidity		
ambient temperature du	mg operation	05 °C		
• minimum		-25 °C		
maximum	ing stores	55 °C		
ambient temperature du	ring storage	10.80		
• minimum		-40 °C		
	r environmental testing according to IEC	75 °C 28		
60068-2-30				
Approvals Certificates				
General Product Appro	oval	other		
<u>Confirmation</u>	Miscellaneous	<u>Miscellaneous</u>	<u>Confirmation</u>	<u>Miscellaneous</u>
Dangerous Good	Environment			
Dangerous Good	FUALOUMENT			
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=5SU1653-1GV16

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/5SU1653-1GV16

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

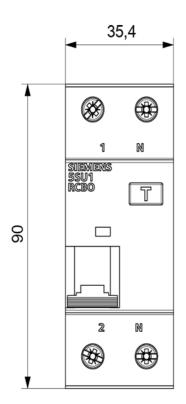
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1653-1GV16

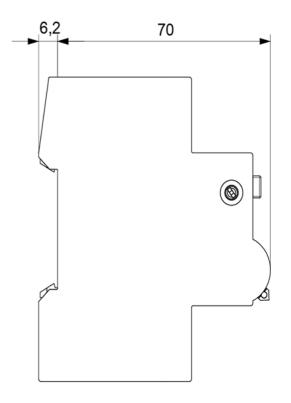
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





last modified:

8/13/2023 🖸