SIEMENS

Data sheet 5SV1316-7LK16



RCBO compact 1P+N 6 kA type A(G) 30 mA C16

Model				
product brand name	SENTRON			
product designation	RCBO			
design of the product	Short-time delayed G, super resistant K			
General technical data				
number of poles	2			
number of poles with protection	1			
design of pole	1P+N			
tripping characteristic class	С			
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	253 V			
surge voltage resistance rated value	4 000 V			
surge current resistance at (8/20) µs	3 kA			
Supply voltage				
supply voltage				
at AC rated value	230 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			
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	10 kA			
rated residual switching capacity (I Δ m) according to IEC 61009-1	4.5 kA			
energy limitation class	3			
Dissipation				
power loss [W]				
• maximum	3.4 W			
operational current				
• at 30 °C rated value	16 A			
• at 40 °C rated value	15.2 A			

• at 45 °C rated value	14.72 A	
• at 50 °C rated value	14.24 A	
● at 55 °C rated value	13.76 A	
• at 60 °C rated value	13.28 A	
at 65 °C rated value	12.8 A	
at 70 °C rated value	12.32 A	
Product details		
product feature		
• halogen-free	Yes	
• silicon-free	Yes	
Connections		
connectable conductor cross-section solid		
• minimum	0.75 mm²	
maximum	16 mm²	
connectable conductor cross-section stranded		
• minimum	0.75 mm ²	
maximum	16 mm²	
connectable conductor cross-section finely stranded with core end processing		
• minimum	0.75 mm²	
• maximum	10 mm²	
tightening torque with screw-type terminals		
• minimum	1.2 N·m	
• maximum	2 N·m	
position of power supply cord	Either top or bottom	
Mechanical Design		
height	90 mm	
width	18 mm	
depth	77 mm	
installation depth	70 mm	
number of modular width units	1	
mounting position	any	
net weight	117 g	
weight with packaging	133 g	
Environmental conditions		
influence of the surrounding temperature	Max. 95% humidity	
ambient temperature during operation		
• minimum	-25 °C	
• maximum	45 °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	
General Product Approval		Declaration of Conformity

Confirmation



VDE VDE







Test Certificates		other			Dangerous Good
Miscellaneous	Special Test Certific- ate	Confirmation	Miscellaneous	<u>Miscellaneous</u>	Transport Information

Environment

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=5SV1316-7LK16

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

https://support.industry.siemens.com/cs/ww/en/ps/5SV1316-7LK16

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

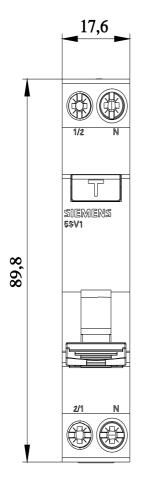
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV1316-7LK16

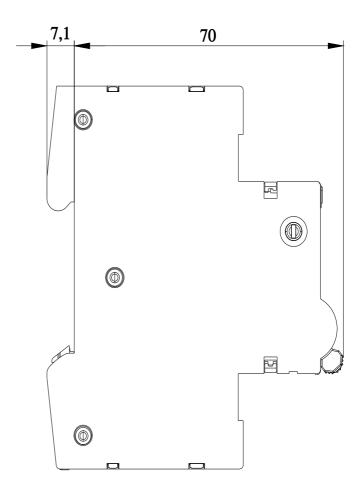
CAx-Online-Generator

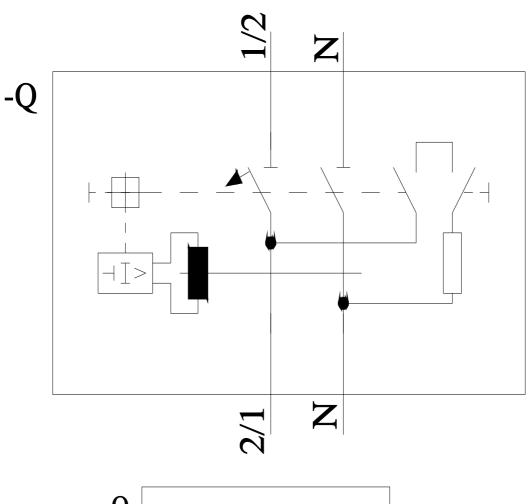
http://www.siemens.com/cax

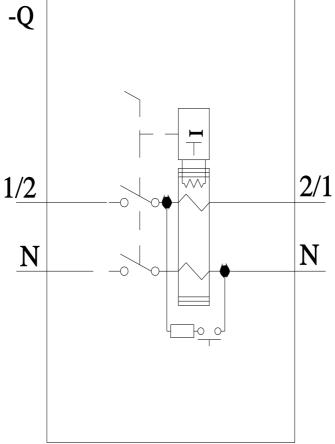
Tender specifications

http://www.siemens.com/specifications









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