SIEMENS

Data sheet 5SM3318-6KK

Residual current operated circuit breaker, 2-pole, type A, In: 100 A, 30 mA, Un AC: 230 V



Model	
product brand name	SENTRON
product designation	RCCB
design of the product	Instantaneous
General technical data	
number of poles	2
size of installation devices / acc. to DIN 43880	1
mechanical service life (switching cycles) / typical	10 000
short-circuit current rating	10 kA
switching function / short-term delayed	No
overvoltage category	III
Supply voltage	
operational current / at AC / rated value	100 A
• supply voltage / at AC / rated value	230 V
• supply voltage / for testing equipment / minimum	100 V
operating frequency	50 Hz
supply voltage frequency	

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• rated value	50 Hz

Protection class	
protection class IP	IP20, if the distribution board is installed, with connected conductors

Switching capacity	
switching capacity current	
• acc. to EN 60898 / rated value	1 kA
• according to IEC 61008-1 / rated value	1 kA

Current	
tripping fault current / rated value	30 mA
residual current type	A
surge current resistance / rated value	1 kA

Product details	
product feature / silicon-free	Yes
product extension / installable / supplementary devices	Yes

Connections	
connectable conductor cross-section / solid	
• minimum	1.5 mm²
• maximum	50 mm²
connectable conductor cross-section / stranded	
• minimum	1.5 mm²
• maximum	50 mm²
tightening torque / with screw-type terminals	
• minimum	3 N·m
• maximum	3.5 N·m
position / of power supply cord	top or bottom

Mechanical Design	
height	90 mm
width	36 mm
depth	70 mm
installation depth	70 mm
number of modular width units	2
fastening method	DIN rail (REG)
mounting position	any
net weight	268 g

Environmental conditions	
ambient temperature / during operation	
• minimum	-25 °C
• maximum	45 °C

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ambient temperature / during storage	
• minimum permissible	-40 °C
• maximum permissible	75 °C
number of test cycles / for environmental testing / acc. to IEC 60068-2-30	28

Certificates

reference code	
• acc. to DIN EN 61346-2	F
• acc. to IEC 81346-2	F

General Product Approval		Declaration of Conformity	Test Certificates
	Miscellaneous		Miscellaneous
VDE		EG-Konf.	

Further information

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=5SM3318-6KK

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/5SM3318-6KK

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM3318-6KK

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

Tender specifications
http://www.siemens.com/specifications

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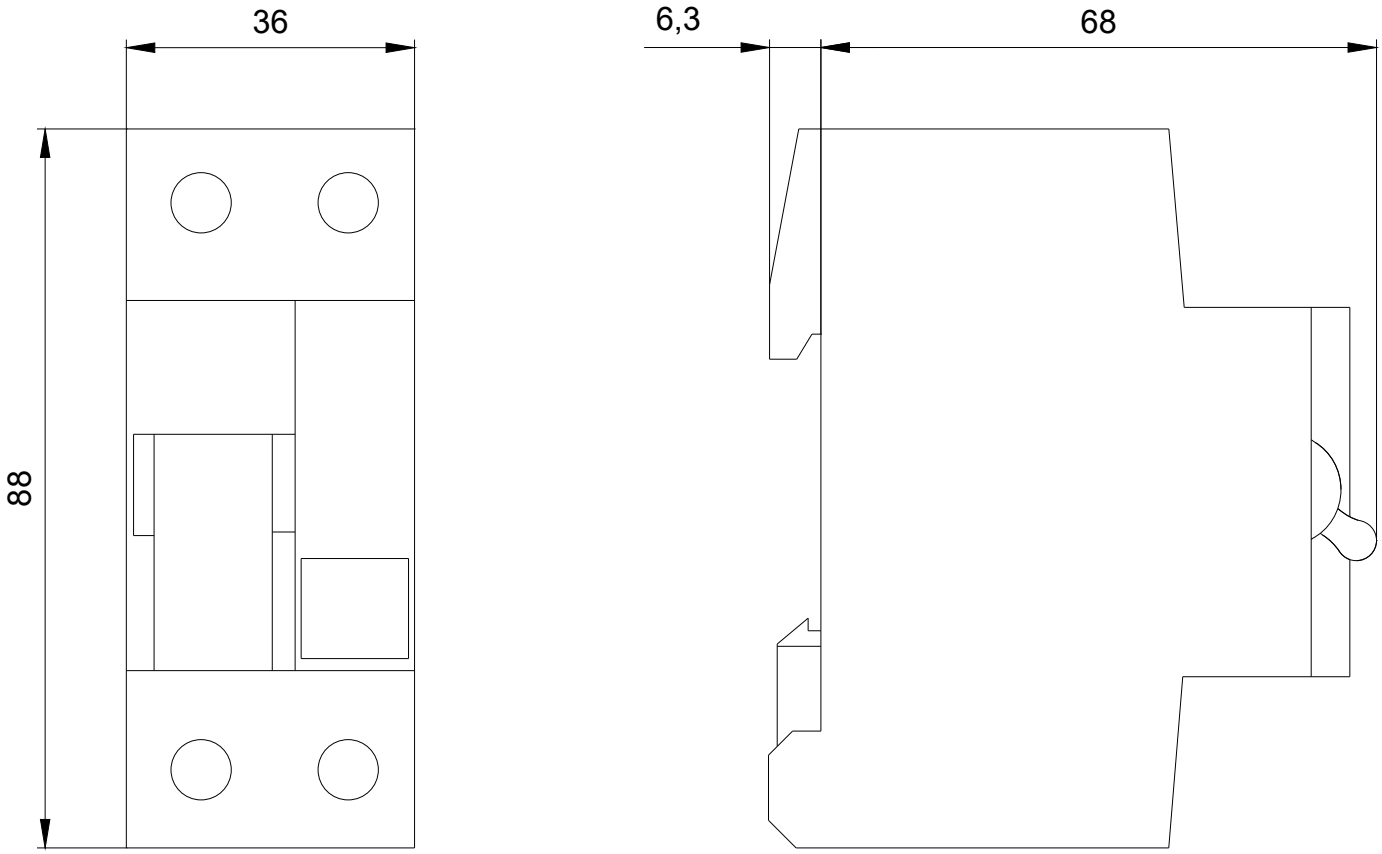

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