SIEMENS

Data sheet 5SM3318-0KK



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

Model	
product brand name	SENTRON
product designation	Residual current operated circuit breaker
design of the product	Instantaneous
product type designation	5SM3
General technical data	
number of poles	2
size of installation devices according to DIN 43880	1
mechanical service life (operating cycles) typical	10 000
short-circuit current rating	10 kA
switching function short-term delayed	No
degree of pollution	2
tripping fault current rated value	30 mA
Supply voltage	
supply voltage for testing equipment minimum	100 V
value range of the supply voltage frequency	50 Hz
value range of the operating frequency	50 Hz
value range of the supply voltage at AC	230 V
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	1 kA
● according to IEC 61008-1 rated value	1 kA
Appearance	
RAL color number	7 035
RAL color number (similar)	7 035
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

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• maximum	4 N·m
position of power supply cord	top or bottom

Mechanical Design

height	90 mm
width	36 mm
depth	77 mm
installation depth	70 mm
number of modular width units	2
fastening method	DIN rail
mounting position	any
Net Weight	274 g

Environmental conditions

ambient temperature during operation	
• minimum	-5 °C
• maximum	45 °C
ambient temperature during storage minimum	-40 °C
number of test cycles for environmental testing according to IEC 60068-2-30	28

Approvals Certificates

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

other		Dangerous goods
产品合格 QC PASS	Confirmation	Transport Information

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=5SM3318-0KK
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/5SM3318-0KK
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM3318-0KK
CAx-Online-Generator
https://www.siemens.com/cax
Tender specifications
https://www.siemens.com/specifications
Kennlinien
https://curves.simaris.siemens.com/curves/5SM3318-0KK

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