SIEMENS

Data sheet 5SM3342-0

Residual current operated circuit breaker, 4-pole, type AC, In: 25 A, 30 mA, Un AC: 400 V

Model	
Product brand name	SENTRON
Product designation	RCCB
Design of the product	Instantaneous
General technical data	
Number of poles	4
Size of installation devices / acc. to DIN 43880	1
Protection against electrical shock	Finger and back-of-hand safe
circuit-breaker / Design	5SM3
Mechanical service life (switching cycles) / typical	10 000
Switching function / short-term delayed	No
Overvoltage category	III
Supply voltage	
Current / at AC / rated value	25 A
• Supply voltage / at AC / rated value	400 V
• Supply voltage / for testing equipment / minimum	100 V
• rated value	50 Hz
Protection class	
Protection class IP	IP20, if the distribution board is installed, with connected conductors
Switching capacity	
Switching capacity current / according to IEC 61008-1 / rated value	0.8 kA
Dissipation	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	1.2 W
Current	
Tripping residual current / rated value	30 mA
Tripping residual / rated value / derated current	
• at 40 Cel	25 A
• at 45 Cel	25 A
• at 50 Cel	23.5 A
• at 55 Cel	22 A

Subject to change without notice
© Copyright Siemens

• at 60 Cel	20.5 A
• at 65 Cel	19 A
• at 70 Cel	17.5 A
Type of fault current	AC
I2t-value / permissible	70 000 A²·s
Operating frequency	50Hz

Product details

Product feature / silicon-free	Yes
Product extension / can be installed / supplementary devices	Yes

Connections

Connectable conductor cross-section	
• solid	1.5 ... 25 mm²
• stranded	1.5 ... 25 mm²
Tightening torque / with screw-type terminals	2.5 ... 3 N·m
Position / of power supply cord	top or bottom

Mechanical Design

Height	90 mm
Width	72 mm
Depth	77 mm
Installation depth	70 mm
Number of width units	4
Mounting type	DIN rail (REG)
Mounting position	any
Net weight	456 g

Environmental conditions

Ambient temperature	-5 ... +45 °C
• during storage	-40 ... +75 °C

Certificates

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

General Product Approval	Declaration of Conformity	Test Certificates
Miscellaneous		Miscellaneous

IMQ

EG-Konf.

Further information

Subject to change without notice
© Copyright Siemens

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=5SM3342-0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/5SM3342-0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM3342-0

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

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

Subject to change without notice
© Copyright Siemens