

RES.CURRENT OP.CIRCUIT BREAKER TYPE A
D=55MM 40A 3+N-POL IFN 30MA 400V 4MW



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
Short-circuit current rating	kA	10
circuit-breaker / Design		5SM1
Mechanical service life (switching cycles) / typical		10 000
Overvoltage category		III
Supply voltage		
Supply voltage		
• at AC / rated value	V	400
• for testing equipment / minimum	V	100
Supply voltage frequency		
• rated value		50Hz

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	kA	0.8
Dissipation		
Power loss [W]		
• for rated value of the current / at AC / in hot operating state / per pole	W	3.2
• maximum	W	9.6
Electricity		
Tripping residual current / rated value	mA	30
rated current I _n / IEC, DIN/VDE / at 40 °C	A	40
Type of fault current-protection device		A
Current / at AC / rated value	A	40
I ² t-value / permissible	A ² ·s	70 000
Surge current resistance / rated value	kA	1
Operating frequency		50Hz
Product details		
Product feature		
• halogen-free		Yes
• silicon-free		Yes
Product expansion / can be installed / supplementary devices		Yes
Number		
Number of test cycles / for environmental testing / acc. to IEC 60068-2-30		28
Connections		
Connectable conductor cross-section / stranded		
• minimum	mm ²	1.5
• maximum	mm ²	25
Connectable conductor cross-section / solid		
• minimum	mm ²	1.5
• maximum	mm ²	25
Tightening torque / with screw-type terminals		
• minimum	N·m	2.5
• maximum	N·m	3
Position / of power supply cord		top or bottom
Mechanical Design		

Mounting position		any
Installation depth	mm	55
Number of width units		4
Mounting type		DIN rail (REG)
Net weight	g	471

Environmental conditions

Ambient temperature

• minimum	°C	-25
• maximum	°C	45
• during storage / minimum permissible	°C	-40
• during storage / maximum permissible	°C	60

Certificates

General Product Approval

Declaration of Conformity

Test Certificates



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Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/5SM13446>

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

<http://support.automation.siemens.com/WW/view/en/5SM13446/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM13446

CAX-Online-Generator

<http://www.siemens.com/cax>

Tender specifications

<http://ausschreibungstexte.siemens.com/tiplv>

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