



Residual current operated circuit breaker, 4-pole, type A, In: 125 A, 30 mA, Un AC: 400 V

Model	
product brand name	SENTRON
product designation	RCCB
design of the product	Instantaneous
product type designation	5SM3
General technical data	
number of poles	4
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
overvoltage category	III
tripping fault current rated value	30 mA
let-through current permissible	8 000 A
I2t value permissible	94 000 A²·s
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	400 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	1.25 kA
• according to IEC 61008-1 rated value	1.25 kA
Dissipation	
power loss [W]	
• for rated value of the current at AC in hot operating state per pole	8.9 W
• maximum	26.7 W
Product details	
product feature silicon-free	Yes
product extension installable supplementary devices	Yes
Connections	
connectable conductor cross-section solid	
• minimum	2.5 mm²
• maximum	50 mm²
connectable conductor cross-section stranded	
• minimum	2.5 mm²

• maximum	50 mm²
<b>tightening torque with screw-type terminals</b>	
• minimum	3 N·m
• maximum	4 N·m
position of power supply cord	top or bottom
<b>Mechanical Design</b>	
<b>height</b>	90 mm
<b>width</b>	72 mm
<b>depth</b>	77 mm
<b>installation depth</b>	70 mm
<b>number of modular width units</b>	4
<b>fastening method</b>	DIN rail (REG)
<b>mounting position</b>	any
<b>net weight</b>	551 g
<b>Environmental conditions</b>	
<b>ambient temperature during operation</b>	
• minimum	-25 °C
• maximum	45 °C
ambient temperature during storage minimum	-40 °C
<b>number of test cycles for environmental testing according to IEC 60068-2-30</b>	28
<b>Approvals Certificates</b>	
<b>General Product Approval</b>	<b>other</b>



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<b>Dangerous goods</b>	<b>Environment</b>
<a href="#">Transport Information</a>	<a href="#">Environmental Con- firmations</a>
	<a href="#">Environmental Con- firmations</a>

<b>Further information</b>
Information on the packaging <a href="https://support.industry.siemens.com/cs/ww/en/view/109813875">https://support.industry.siemens.com/cs/ww/en/view/109813875</a>
Information- and Downloadcenter (Catalogs, Brochures,...) <a href="http://www.siemens.com/lowvoltage/catalogs">http://www.siemens.com/lowvoltage/catalogs</a>
Industry Mall (Online ordering system) <a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SM3345-6">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SM3345-6</a>
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) <a href="https://support.industry.siemens.com/cs/ww/en/ps/5SM3345-6">https://support.industry.siemens.com/cs/ww/en/ps/5SM3345-6</a>
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) <a href="http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM3345-6">http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM3345-6</a>
CAX-Online-Generator <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
Tender specifications <a href="http://www.siemens.com/specifications">http://www.siemens.com/specifications</a>

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