



Figure similar

Residual current operated circuit breaker, 4-pole, type AC, 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
Supply voltage	
supply voltage for testing equipment minimum	195 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 mm <sup>2</sup>
• maximum	50 mm <sup>2</sup>
connectable conductor cross-section stranded	
• minimum	2.5 mm <sup>2</sup>
• maximum	50 mm <sup>2</sup>

<b>tightening torque with screw-type terminals</b>	
• minimum	3 N·m
• maximum	4 N·m
position of power supply cord	top or bottom

#### Mechanical Design

<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>	546 g

#### Environmental conditions

<b>ambient temperature during operation</b>	
• minimum	-5 °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

#### Approvals Certificates

<b>General Product Approval</b>	<b>other</b>
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<b>Dangerous goods</b>	<b>Environment</b>
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#### Further information

Information on the packaging  
<https://support.industry.siemens.com/cs/ww/en/view/109813875>  
 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=5SM3345-0>  
 Service&Support (Manuals, Certificates, Characteristics, FAQs,...)  
<https://support.industry.siemens.com/cs/ww/en/ps/5SM3345-0>  
 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)  
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SM3345-0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM3345-0)  
 CAx-Online-Generator  
<http://www.siemens.com/cax>  
 Tender specifications  
<http://www.siemens.com/specifications>

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