



RES.CURRENT OP.CIRCUIT BREAKER TYPE AC WS  
25A 1+N-POL IFN 30MA 230V 2MW

Figure similar

Model		
product brand name		SENTRON
Product designation		RCCB
Design of the product		Instantaneous
General technical data		
Number of poles		2
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		5SM3
Mechanical service life (switching cycles) / typical		10 000
Overvoltage category		III
Supply voltage		
Supply voltage		
• with AC / Rated value	V	230
• for testing equipment / minimum	V	100
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	0.5
Dissipation		

<b>Active power loss</b>		
<ul style="list-style-type: none"> <li>• for rated value of the current / with AC / in hot operating state / per pole</li> </ul>	W	2

### Electricity

<b>Tripping residual current / Rated value</b>	mA	30
rated current $I_n$ / IEC, DIN/VDE / at 40 Cel	A	25
<b>Type of fault current</b>		AC
Current / with AC / Rated value	A	25

### Product details

<b>Product property</b>		
<ul style="list-style-type: none"> <li>• halogen-free</li> </ul>		Yes
<ul style="list-style-type: none"> <li>• silicon-free</li> </ul>		Yes
Product expansion / can be installed / supplementary devices		Yes

### Number

<b>Number of test cycles / for environmental testing / acc. to IEC 60068-2-30</b>		28
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### Connections

<b>Connectable conductor cross-section / stranded</b>		
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	mm <sup>2</sup>	1
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	mm <sup>2</sup>	16
<b>Connectable conductor cross-section / solid</b>		
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	mm <sup>2</sup>	1
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	mm <sup>2</sup>	16
<b>Tightening torque / with screw-type terminals</b>		
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	N·m	2.5
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	N·m	3
Position / of power supply cord		top or bottom

### Mechanical Design

<b>Height</b>	mm	90
<b>Width</b>	mm	36
<b>Depth</b>	mm	70
<b>mounting position</b>		any
<b>Installation depth</b>	mm	70
<b>Number of width units</b>		2
<b>Mounting type</b>		DIN rail (REG)
<b>Net weight</b>	g	248

### Environmental conditions

<b>Ambient temperature</b>		
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	°C	-5
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	°C	45

- during storage / minimum permissible
- during storage / maximum permissible

°C	-40
°C	75

### Certificates

<b>Equipment marking</b>	
• acc. to DIN EN 61346-2	F
• acc. to DIN EN 81346-2	F

### General Product Approval



[other](#)

<b>Declaration of Conformity</b>	<b>Test Certificates</b>	<b>other</b>
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[other](#)

[Environmental Confirmations](#)

### 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/5SM33120>

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

<http://support.automation.siemens.com/WW/view/en/5SM33120/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mfb=5SM33120](http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=5SM33120)

**CAX-Online-Generator**

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

**Tender specifications**

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

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