



RES.CURRENT OP.CIRCUIT BREAKER TYPE A 125A  
3+N-POL IFN 300MA 400V 4MW FOR SELECTIVE  
SWITCH OFF

Model		
product brand name		SENTRON
Product designation		RCCB
Design of the product		Selective
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		5SM3
Mechanical service life (switching cycles) / typical		10 000
Overvoltage category		III
Protection class		
Protection class IP		IP20, if the distribution board is installed, with connected conductors
Switching capacity		
Switching capacity current		
<ul style="list-style-type: none"> <li>acc. to EN 60898 / Rated value</li> </ul>	kA	1.25
Dissipation		
Active power loss		
<ul style="list-style-type: none"> <li>for rated value of the current / with AC / in hot operating state / per pole</li> </ul>	W	8.9
Electricity		

<b>Tripping residual current / Rated value</b>	mA	300
rated current I <sub>n</sub> / IEC, DIN/VDE / at 40 Cel	A	125
Current / with AC / Rated value	A	125
Surge current resistance / Rated value	kA	5

#### 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>	2.5
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	mm <sup>2</sup>	50
<b>Connectable conductor cross-section / solid</b>		
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	mm <sup>2</sup>	2.5
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	mm <sup>2</sup>	50
<b>Tightening torque / with screw-type terminals</b>		
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	N·m	3
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	N·m	3.5
Position / of power supply cord		top or bottom

#### Mechanical Design

<b>Height</b>	mm	90
<b>Width</b>	mm	72
<b>Depth</b>	mm	77
<b>mounting position</b>		any
<b>Installation depth</b>	mm	70
<b>Number of width units</b>		4
<b>Mounting type</b>		DIN rail (REG)

#### Environmental conditions

<b>Ambient temperature</b>		
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	°C	-25
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	°C	45
<ul style="list-style-type: none"> <li>• during storage / minimum permissible</li> </ul>	°C	-40
<ul style="list-style-type: none"> <li>• during storage / maximum permissible</li> </ul>	°C	75

#### Certificates

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

	F
	F

General Product Approval	Declaration of Conformity	Test Certificates	other
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[other](#)



EG-Konf.

[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/5SM36458>

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

<http://support.automation.siemens.com/WW/view/en/5SM36458/all>

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

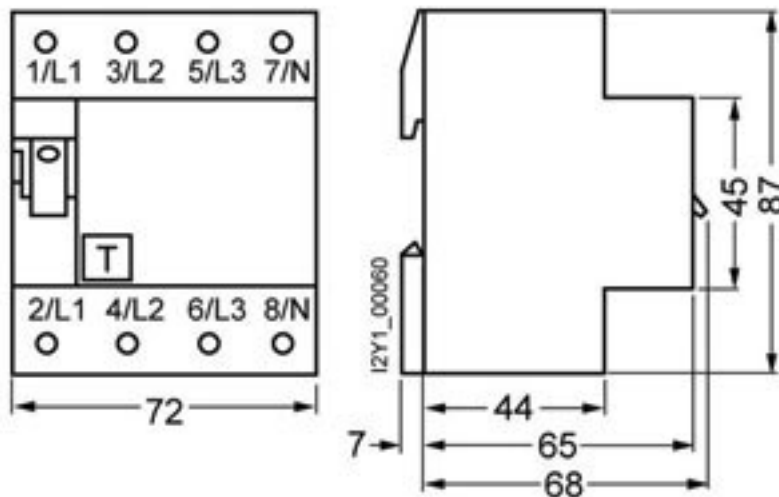
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mfb=5SM36458](http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=5SM36458)

**CAX-Online-Generator**

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

**Tender specifications**

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



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11.03.2015