

RES.CURRENT OP.CIRCUIT BREAKER TYPE A 63A  
1+N-POL IFN 300MA 230V 2,5M FOR SELECTIVE  
SWITCH OFF SUCCESSOR 5SV3 616-8



Figure similar

Model		
product brand name		SENTRON
Product designation		RCCB
Design of the product		Selective
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		
• at AC / rated value	V	230
• for testing equipment / minimum	V	100
Supply voltage frequency		
• rated value		50Hz

Protection class		
<b>Protection class IP</b>		IP20, if the distribution board is installed, with connected conductors
Switching capacity		
<b>Switching capacity current</b>		
• acc. to EN 60898 / rated value	kA	0.8
Dissipation		
<b>Power loss [W]</b>		
• for rated value of the current / at AC / in hot operating state / per pole	W	3.25
• maximum	W	6.6
Electricity		
<b>Tripping residual current / rated value</b>	mA	300
rated current I <sub>n</sub> / IEC, DIN/VDE / at 40 Cel	A	63
<b>Type of fault current-protection device</b>		A
Current / at AC / rated value	A	63
<b>I<sup>2</sup>t-value / permissible</b>	A <sup>2</sup> ·s	70 000
Surge current resistance / rated value	kA	5
<b>Operating frequency</b>		50Hz
Product details		
<b>Product feature</b>		
• halogen-free		Yes
• silicon-free		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
Connections		
<b>Connectable conductor cross-section / stranded</b>		
• minimum	mm <sup>2</sup>	1.5
• maximum	mm <sup>2</sup>	25
<b>Connectable conductor cross-section / solid</b>		
• minimum	mm <sup>2</sup>	1.5
• maximum	mm <sup>2</sup>	25
<b>Tightening torque / with screw-type terminals</b>		
• minimum	N·m	2.5
• maximum	N·m	3
Position / of power supply cord		top or bottom
Mechanical Design		

Height	mm	90
Width	mm	36
Depth	mm	70
Mounting position		any
Installation depth	mm	70
Number of width units		2.5
Mounting type		DIN rail (REG)
Net weight	g	312

#### Environmental conditions

##### Ambient temperature

• minimum	°C	-25
• maximum	°C	45
• during storage / minimum permissible	°C	-40
• during storage / maximum permissible	°C	75

#### Certificates

##### Equipment marking

• acc. to DIN EN 61346-2	F
• acc. to DIN EN 81346-2	F

##### 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/5SM36168>

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

<http://support.automation.siemens.com/WW/view/en/5SM36168/all>

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

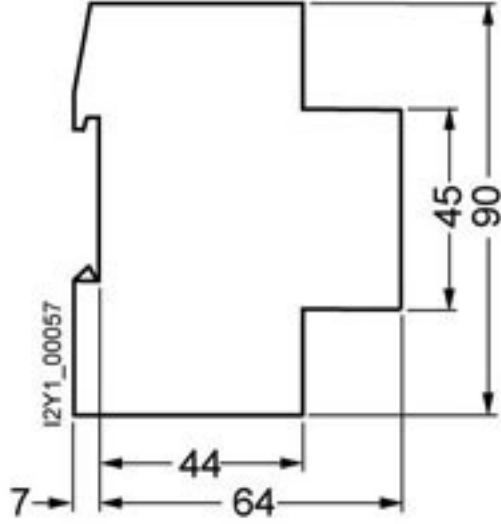
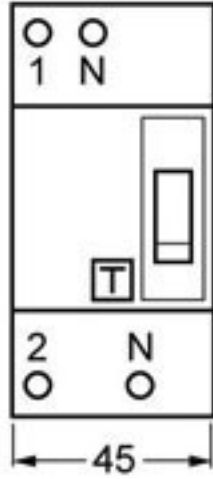
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SM36168](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM36168)

##### CAX-Online-Generator

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

##### Tender specifications

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



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