



FI/LS-PROTECTOR TYPE A (PSE/SSF), D=70MM IFN  
300MA,6KA, 1+N-POLEE B 20A

Figure similar

Model		
product brand name		SENTRON
Product designation		RCBO
<b>Design of the product</b>		Instantaneous
version		RCCB/MCB
General technical data		
<b>Number of poles</b>		2
<b>Number of poles / Note</b>		1P+N
<b>Number of poles / with protection</b>		1
<b>Tripping characteristic class</b>		B
<b>circuit-breaker / Design</b>		5SU1
<b>Mechanical service life (switching cycles) / typical</b>		10 000
<b>Overvoltage category</b>		III
Voltage		
<b>Surge current resistance / at (8/20) <math>\mu</math>s</b>	kA	1
Supply voltage		
Supply voltage frequency / Rated value	Hz	50
Protection class		
<b>Protection class IP</b>		IP20, if the distribution board is installed, with connected conductors
<b>Energy limiting class</b>		3
Switching capacity		
<b>Switching capacity current</b>		

- acc. to EN 60898 / Rated value
- acc. to IEC 60947-2 / Rated value

kA	6
kA	10

## Dissipation

### Active power loss

- for rated value of the current / with AC / in hot operating state / per pole

W	3.7
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## Electricity

### Tripping residual current / Rated value

rated current  $I_n$  / IEC, DIN/VDE / at 40 °C el

Current / with AC / Rated value

mA	300
A	18.8
A	20

## Product details

Product feature / Touch protection

### Product property

- halogen-free
- silicon-free

Yes
Yes
Yes

## Product function

Product function / neutral conductor switching

Yes
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## Number

Number of test cycles / for environmental testing / acc. to IEC 60068-2-30

26
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## Connections

### Connectable conductor cross-section / stranded

- minimum
- maximum

### Connectable conductor cross-section

- solid
  - minimum
  - maximum
- finely stranded / with core end processing
  - minimum
  - maximum

### Tightening torque / with screw-type terminals

- minimum
- maximum

Position / of power supply cord

mm <sup>2</sup>	0.75
mm <sup>2</sup>	35
mm <sup>2</sup>	0.75
mm <sup>2</sup>	35
mm <sup>2</sup>	0.75
mm <sup>2</sup>	25
N·m	2.5
N·m	3
	Either top or bottom

## Mechanical Design

Height

Width

Depth

mounting position

mm	90
mm	36
mm	77
	any

Installation depth	mm	70
Number of width units		2

### Environmental conditions

<b>Influence of the surrounding temperature</b>		Max. 95% humidity
<b>Ambient temperature</b>		
• minimum	°C	-25
• maximum	°C	55
• during storage / minimum	°C	-40
• during storage / maximum	°C	75

### Certificates

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

### General Product Approval



CCC



IMQ



ÖVE



GOST



VDE

[other](#)

General Product Approval	Declaration of Conformity	other
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EG-Konf.

[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/5SU16566KK20>

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

<http://support.automation.siemens.com/WW/view/en/5SU16566KK20/all>

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

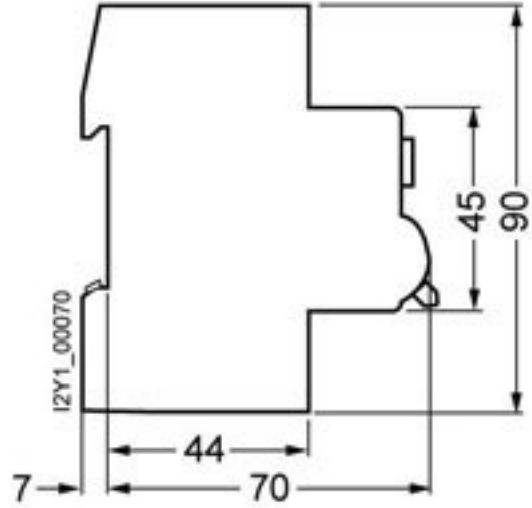
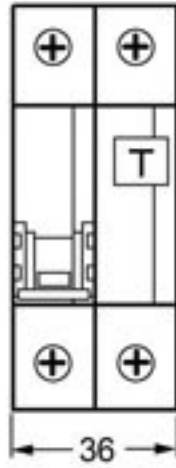
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SU16566KK20](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU16566KK20)

**CAX-Online-Generator**

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

**Tender specifications**

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



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11.03.2015