

FI/LS-PROTECTOR TYPE A (PSE/SSF), D=70MM IFN  
300MA,6KA, 1+N-POLEE B 25A



Figure similar

Model		
product brand name		SENTRON
Product designation		RCBO
Design of the product		Instantaneous
version		RCCB/MCB

General technical data		
Number of poles		2
Number of poles / Note		1P+N
Number of poles / with protection		1
Tripping characteristic class		B
circuit-breaker / Design		5SU1
Mechanical service life (switching cycles) / typical		10 000
Overvoltage category		III

Voltage		
Surge current resistance / at (8/20) $\mu$ s	kA	1

Supply voltage		
Supply voltage		
<ul style="list-style-type: none"> <li>at AC / Rated value</li> </ul>	V	230

• for testing equipment / minimum	V	100
Supply voltage frequency / Rated value	Hz	50
<b>Protection class</b>		
<b>Protection class IP</b>		IP20, if the distribution board is installed, with connected conductors
<b>Energy limiting class</b>		3
<b>Switching capacity</b>		
<b>Switching capacity current</b>		
• acc. to EN 60898 / Rated value	kA	6
• acc. to IEC 60947-2 / Rated value	kA	10
<b>Dissipation</b>		
<b>Active power loss</b>		
• for rated value of the current / at AC / in hot operating state / per pole	W	5.1
<b>Electricity</b>		
<b>Tripping residual current / Rated value</b>	mA	300
rated current I <sub>n</sub> / IEC, DIN/VDE / at 40 Cel	A	23.5
<b>Type of fault current</b>		A
Current / at AC / Rated value	A	25
<b>Product details</b>		
Product feature / Touch protection		Yes
<b>Product property</b>		
• halogen-free		Yes
• silicon-free		Yes
<b>Product function</b>		
Product function / neutral conductor switching		Yes
<b>Number</b>		
<b>Number of test cycles / for environmental testing / acc. to IEC 60068-2-30</b>		26
<b>Connections</b>		
<b>Connectable conductor cross-section / stranded</b>		
• minimum	mm <sup>2</sup>	0.75
• maximum	mm <sup>2</sup>	35
<b>Connectable conductor cross-section</b>		
• solid		
— minimum	mm <sup>2</sup>	0.75
— maximum	mm <sup>2</sup>	35
• finely stranded / with core end processing		
— minimum	mm <sup>2</sup>	0.75
— maximum	mm <sup>2</sup>	25

Tightening torque / with screw-type terminals	• minimum	N·m	2.5
	• maximum	N·m	3
Position / of power supply cord			Either top or bottom

#### Mechanical Design

Height	mm	90
Width	mm	36
Depth	mm	77
mounting position		any
Installation depth	mm	70
Number of width units		2
Net weight	g	281

#### Environmental conditions

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

#### Certificates

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

#### General Product Approval



CCC



IMQ



ÖVE



VDE



[sonstig](#)

Declaration of  
Conformity

other



EG-Konf.

[Umweltbestätigung](#)

#### 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/5SU16566KK25>

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

<http://support.automation.siemens.com/WW/view/en/5SU16566KK25/all>

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

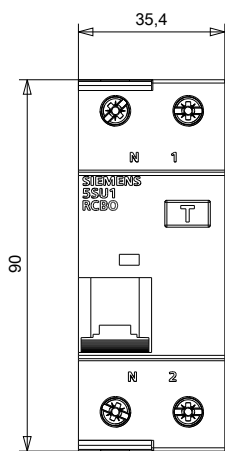
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SU16566KK25](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU16566KK25)

**CAX-Online-Generator**

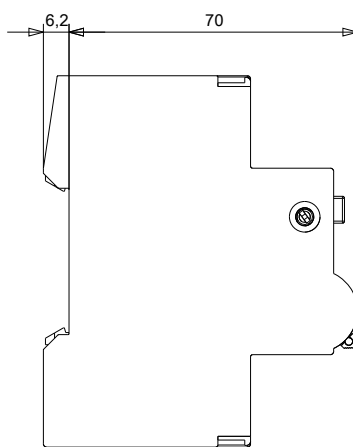
<http://www.siemens.com/cax>

**Tender specifications**

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



last modified:



13.08.2015