



FI/LS-PROTECTOR TYPE AC (WS),  
D=70MM IFN 300MA, 10KA, 1+N-POLE C 20A

General technical data:		
mounting position		any
Current / for AC / rated value	A	20
Resistance to impulse current / [not supplied - at (8/20) μs]	kA	1
Design of the fault-current type		AC
Design of the product		Instantaneous
Release fault-current / rated value	A	0.3
Number of pitch units for width		2
Degree of pollution		2
Tripping characteristic class		C
Position / of power supply cord		Optionally top or bottom
Mechanical operating cycles as operating time / typical		10,000
Energy limiting class		3
Overvoltage class		3
Product equipment / touch-protection		Yes
Supply voltage		
• for AC / rated value	V	230
• for testing equipment / minimum	V	100
Number of poles /note		
•		1P+N

<ul style="list-style-type: none"> <li>• with protection</li> </ul>		1
<b>Switching capacity current</b> <ul style="list-style-type: none"> <li>• in accordance with IEC 60947-2 / rated value</li> <li>• acc. to EN 60898 / rated value</li> </ul>	kA	15
	kA	10
<b>Ambient temperature</b> <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	°C	-25
	°C	55
<b>Influence of the surrounding temperature</b>		Max. 95% humidity
<b>Ambient temperature / during storage</b> <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	°C	-40
	°C	75
<b>Section de conducteur raccordable</b> <ul style="list-style-type: none"> <li>• solid <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul> </li> <li>• multibrin <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul> </li> <li>• finely stranded / with wire end processing <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul> </li> </ul>	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
<b>Tightening torque / with screw-type terminals</b> <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	N·m	2.5
	N·m	3
<b>Product feature</b> <ul style="list-style-type: none"> <li>• [not supplied - silicon-free]</li> <li>• halogen-free</li> </ul>		Yes
		Yes
<b>Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30</b>		26
<b>Item designation</b> <ul style="list-style-type: none"> <li>• according to DIN EN 61346-2</li> <li>• according to DIN 40719 extendable after IEC 204-2 / according to IEC 750</li> </ul>		F
		F

#### Certificates/approvals:

## General Product Approval



CCC



GOST



IMQ

[other](#)



VDE



ÖVE

Declaration of  
Conformity

other



EG-Konf.

[Environmental  
Confirmations](#)

## Further information:

**Information- and Downloadcenter (Catalogs, Brochures,...)**

<http://www.siemens.com/lowvoltage/catalogs>

**Industry Mall (Online ordering system)**

<http://www.siemens.com/lowvoltage/mall>

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

<http://support.automation.siemens.com/WW/view/en/5SU1654-1KK20/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SU1654-1KK20](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1654-1KK20)

**CAX-Online-Generator**

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

**last change:**

Feb 18, 2013