



FI/LS-PROTECTOR TYPE A (PSE/SSF),  
D=70MM IFN 300MA,6KA, 1+N-POLEE C 16A

### General technical data:

|                                                                    |    |                          |
|--------------------------------------------------------------------|----|--------------------------|
| mounting position                                                  |    | any                      |
| Height                                                             | mm | 90                       |
| Width                                                              | mm | 36                       |
| Depth                                                              | mm | 77                       |
| Current / for AC / rated value                                     | A  | 16                       |
| Resistance to impulse current / [not supplied - at (8/20) $\mu$ s] | kA | 1                        |
| Design of the fault-current type                                   |    | A                        |
| 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                      |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                        |                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| <ul style="list-style-type: none"> <li>• for testing equipment / minimum</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                     | V                                                                                                                      | 100                                            |
| <b>Number of poles /note</b> <ul style="list-style-type: none"> <li>•</li> <li>• with protection</li> </ul>                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                        | 1P+N<br>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<br>kA                                                                                                               | 10<br>6                                        |
| <b>Ambient temperature</b> <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>                                                                                                                                                                                                                                                                                                                                                               | °C<br>°C                                                                                                               | -25<br>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<br>°C                                                                                                               | -40<br>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><br>mm <sup>2</sup><br><br>mm <sup>2</sup><br>mm <sup>2</sup><br><br>mm <sup>2</sup><br>mm <sup>2</sup> | 0.75<br>35<br><br>0.75<br>35<br><br>0.75<br>25 |
| <b>Tightening torque / with screw-type terminals</b> <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>                                                                                                                                                                                                                                                                                                                                     | N·m<br>N·m                                                                                                             | 2.5<br>3                                       |
| <b>Product feature</b> <ul style="list-style-type: none"> <li>• [not supplied - silicon-free]</li> <li>• halogen-free</li> </ul>                                                                                                                                                                                                                                                                                                                                        |                                                                                                                        | Yes<br>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<br>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,...)

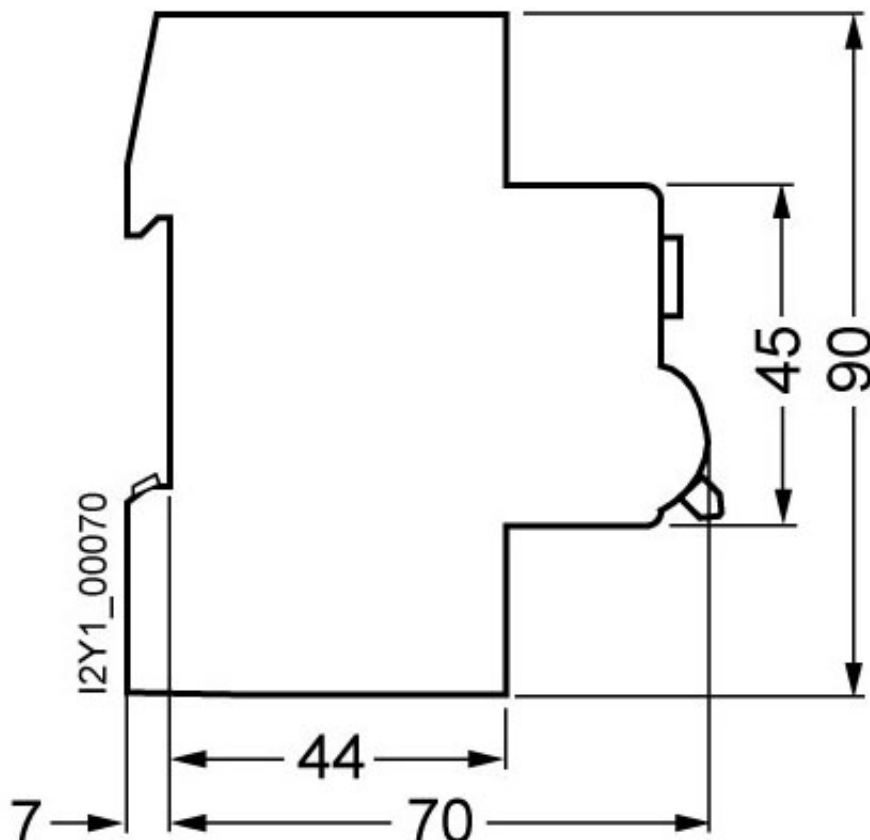
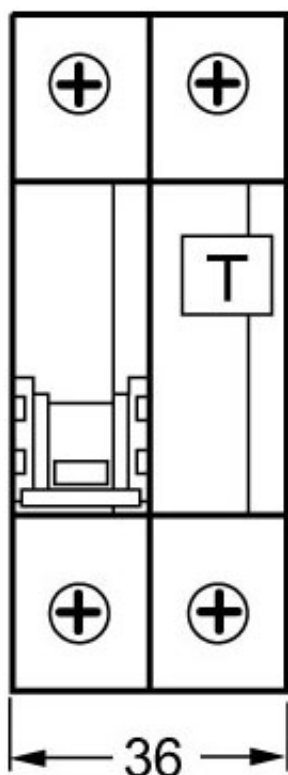
<http://support.automation.siemens.com/WW/view/en/5SU1656-7KK16/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SU1656-7KK16](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1656-7KK16)

CAX-Online-Generator

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



last change:

Feb 18, 2013