



CIRCUIT BREAKER 230/400V 10KA, 1-POLE, D, 100A, D=70MM

General technical data:		
Type of mounting		Standard mounting rail and screw fixing
mounting position		any
Mounting depth	mm	70
Height	mm	90
Width	mm	27
Depth	mm	76
Current / for AC / rated value	A	100
Tripping characteristic class		D
type of voltage		AC/DC
Number of pitch units for width		1.5
Product feature / sealable		Yes
Degree of pollution		3
Supply voltage		
• for AC / rated value	V	400
• with single-phase operation / with AC / rated value	V	230
• with multi-phase operation / with AC / rated value	V	400
Number of poles		1
Number of poles /note		1P
Switching capacity current		

<ul style="list-style-type: none"> <li>• in accordance with IEC 60947-2 / rated value</li> </ul>	kA	10
<ul style="list-style-type: none"> <li>• with DC / in accordance with IEC 60947-2 / rated value</li> </ul>	kA	15
<ul style="list-style-type: none"> <li>• acc. to EN 60898 / rated value</li> </ul>	kA	10
<b>Breaking capacity short-circuit current (I<sub>cn</sub>)</b>		
<ul style="list-style-type: none"> <li>• with DC / in accordance with EN 60898-2</li> </ul>	kA	10
<ul style="list-style-type: none"> <li>• with AC / in accordance with UL 1077 and CSA C22.2 No.235</li> </ul>	kA	5
<b>Ambient temperature</b>	°C	-25 ... +55
<b>Ambient temperature</b>		
<ul style="list-style-type: none"> <li>• during storage</li> </ul>	°C	-40 ... +75
<b>Position / of power supply cord</b>		Any
<b>Product property / properties for main switches in accordance with EN 60204-1</b>		Yes
<b>Mechanical operating cycles as operating time / typical</b>		20,000
<b>Overvoltage class</b>		3
<b>Product equipment / touch-protection</b>		Yes
<b>Resistance against shock / according to IEC 60068-2-27</b>		150m/s <sup>2</sup> at 11ms half-sine
<b>Insulation voltage</b>		
<ul style="list-style-type: none"> <li>• for AC / rated value</li> </ul>	V	440
<b>AWG number</b>		
<ul style="list-style-type: none"> <li>• as encoded connectable conductor cross-section</li> </ul>		14 ... 2
<b>Section de conducteur raccordable</b>		
<ul style="list-style-type: none"> <li>• solid</li> </ul>	mm <sup>2</sup>	4 ... 50
<ul style="list-style-type: none"> <li>• multibrin</li> </ul>	mm <sup>2</sup>	4 ... 50
<ul style="list-style-type: none"> <li>• finely stranded</li> </ul>		
<ul style="list-style-type: none"> <li>• with wire end processing</li> </ul>	mm <sup>2</sup>	1.5 ... 35
<b>Product component</b>		
<ul style="list-style-type: none"> <li>• tunnel terminals top</li> </ul>		Yes
<ul style="list-style-type: none"> <li>• tunnel terminals bottom</li> </ul>		Yes
<b>Tightening torque</b>		
<ul style="list-style-type: none"> <li>• with screw-type terminals</li> </ul>	N·m	2.5 ... 3.5
<b>Tightening torque (lbf·in)</b>		
<ul style="list-style-type: none"> <li>• with screw connection</li> </ul>	lbf·in	22 ... 31
<b>Product feature</b>		
<ul style="list-style-type: none"> <li>• [not supplied - silicon-free]</li> </ul>		Yes
<ul style="list-style-type: none"> <li>• halogen-free</li> </ul>		Yes
<b>Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30</b>		6
<b>Item designation</b>		
<ul style="list-style-type: none"> <li>• according to DIN EN 61346-2</li> </ul>		F

- according to DIN 40719 extendable after IEC 204-2 / according to IEC 750

F

### Certificates/approvals:

#### General Product Approval

#### Declaration of Conformity



#### Test Certificates

#### Shipping Approval

#### other

[Special Test Certificate](#)



LRS

[other](#)

### 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,...)

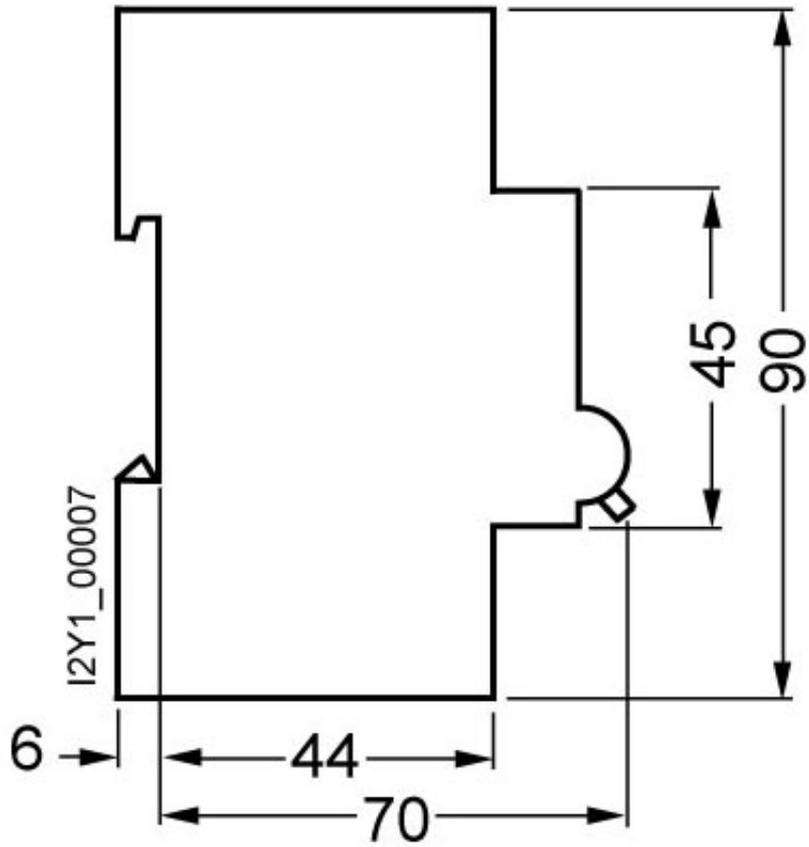
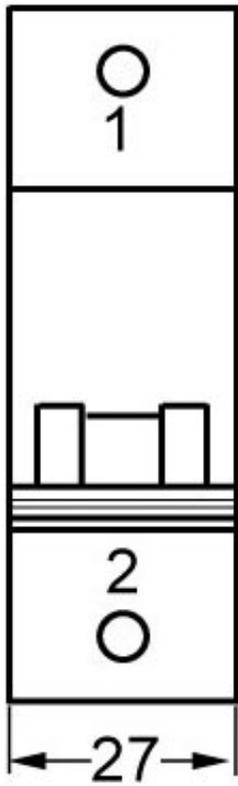
<http://support.automation.siemens.com/WW/view/en/5SP4191-8/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SP4191-8](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SP4191-8)

#### CAX-Online-Generator

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



last change:

Dec 17, 2012