



CIRCUIT BREAKER 400V 6KA, 3-POLE, B, 6A, D=70MM

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**Technical data:**

<b>Type of mounting</b>		Quick assembly system
<b>type of voltage</b>		AC/DC
<b>Height</b>	mm	90
<b>Width</b>	mm	54
<b>Depth</b>	mm	76
<b>mounting position</b>		any
<b>Mounting depth</b>	mm	70
<b>Current / for AC / rated value</b>	A	6
<b>Tripping characteristic class</b>		B
<b>Supply voltage</b>		
• for AC / rated value	V	400
• with multi-phase operation / with AC / rated value	V	400
<b>Switching capacity current</b>		
• in accordance with IEC 60947-2 / rated value	kA	30
• with DC / in accordance with IEC 60947-2 / rated value	kA	15
• acc. to EN 60898 / rated value	kA	6
<b>Breaking capacity short-circuit current (Icn)</b>		
• with DC / in accordance with EN 60898-2	kA	10

• with AC / in accordance with UL 1077 and CSA C22.2 No.235	kA	5
<b>Active power loss / at rated value current / with AC / in warm operating state / per pole</b>	W	1.1
<b>Number of pitch units for width</b>		3
<b>Product feature / sealable</b>		Yes
<b>Degree of pollution</b>		3
<b>Ambient temperature</b>	°C	-25 ... +55
<b>Ambient temperature</b> • during storage	°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> • with multi-phase operation / with AC / rated value	V	440
<b>AWG number</b> • as encoded connectable conductor cross-section		14 ... 4
<b>Section de conducteur raccordable</b> • solid • multibrin • finely stranded • with wire end processing	mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup>	0.75 ... 35 0.75 ... 35 0.75 ... 25
<b>Product component</b> • combined terminal top • combined terminal bottom		Yes Yes
<b>Tightening torque</b> • with screw-type terminals	N·m	2.5 ... 3
<b>Tightening torque (lbf-in)</b> • with screw connection	lbf-in	22 ... 26
<b>Product feature</b> • [not supplied - silicon-free] • halogen-free		Yes Yes
<b>Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30</b>		6
<b>Item designation / according to DIN EN 61346-2</b>		F

#### Certificates/approvals:

**General Product Approval**

**Declaration of Conformity**



CCC

GOST

IMQ

UL

VDE

EG-Konf.

**Shipping Approval**

**other**



BUREAU VERITAS

DNV

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**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,...)**

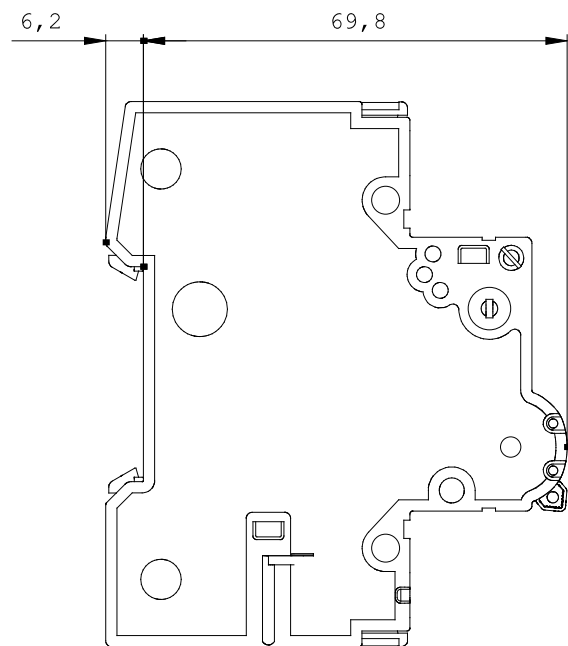
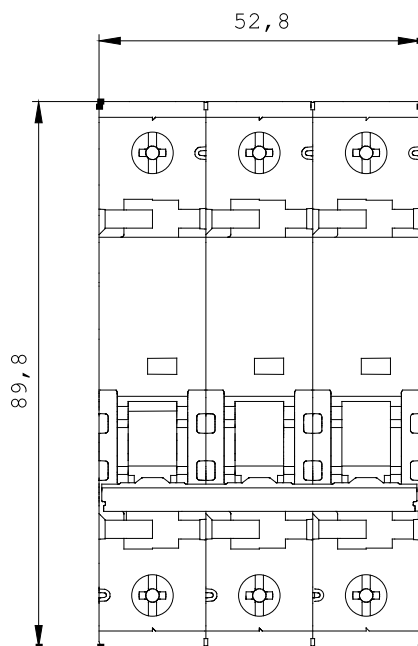
<http://support.automation.siemens.com/WW/view/en/5SY6306-6/all>

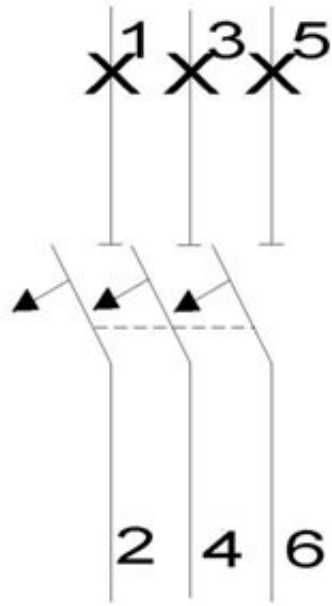
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SY6306-6](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY6306-6)

**CAX-Online-Generator**

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





last change:

Dec 31, 2012