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CIRCUIT BREAKER 400V 15KA, 2-POLE, C,  
16A, D=70MM

Technical data:		
product brand name		SENTRON
Product designation		5SY miniature circuit breaker
Mounting type		Quick assembly system
Type of voltage		AC/DC
Height	mm	90
Width	mm	36
Depth	mm	76
Net weight	g	286
mounting position		any
Mounting depth	mm	70
Current / for AC / rated value	A	16
Tripping characteristic class		C
Supply voltage		
• for AC / rated value	V	400
Supply voltage / for DC / rated value		
• with multi-phase operation / with AC / rated value	V	400
Number of poles /note		2P
Switching capacity current		
• in accordance with IEC 60947-2 / rated value	kA	25
• with DC / in accordance with IEC 60947-2 / rated value	kA	15
• acc. to EN 60898 / rated value	kA	15
Breaking capacity short-circuit current (Icn)		
• with DC / in accordance with EN 60898-2	kA	15
• with AC / in accordance with UL 1077 and CSA C22.2 No.235	kA	5
Active power loss / at rated value current / with AC / in warm operating state / per pole	W	3.8
Number of width units		2
Product extension / can be installed / supplementary device		Yes
Product feature / sealable		Yes
Degree of pollution		3
Influence of the surrounding temperature		max. 95% humidity
Ambient temperature	°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>Resistance against vibration / according to IEC 60068-2-6</b>		50m/s <sup>2</sup> at 25 to 150Hz and 60m/s <sup>2</sup> at 35Hz (4sec)
<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> • silicon-free • halogen-free		Yes Yes
<b>Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30</b>		6
<b>Reference ID / 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



GL



LRS



RINA

[other](#)

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/5SY7216-7>

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

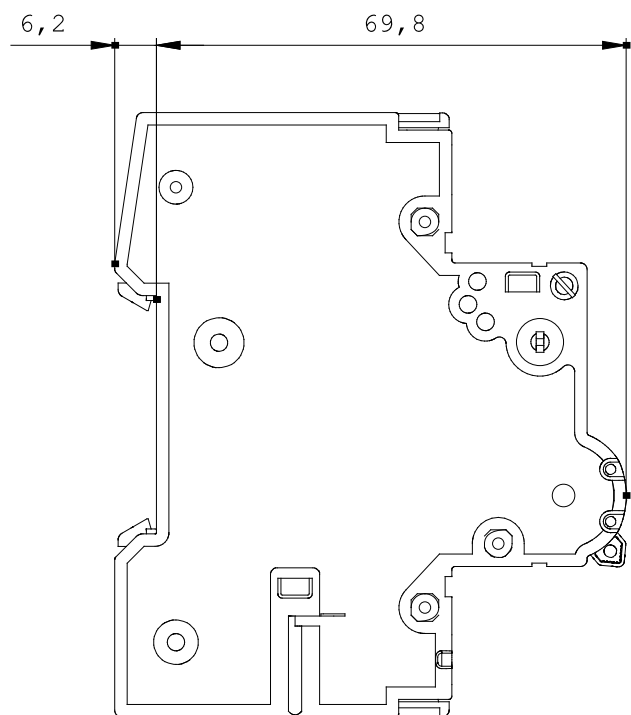
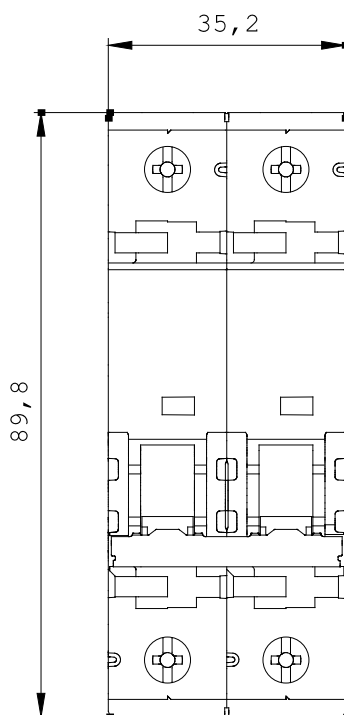
<http://support.automation.siemens.com/WW/view/en/5SY7216-7/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SY7216-7](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY7216-7)

CAX-Online-Generator

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



**last change:**

Mar 24, 2014