## SIEMENS

## **Product data sheet**



CIRCUIT BREAKER 230/400V 15KA, 1-POLE, C, 4A, D=70MM

Similar to image

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	18			
Depth	mm	76			
Net weight	g	160			
mounting position		any			
Mounting depth	mm	70			
Current / for AC / rated value	А	4			
Tripping characteristic class		С			
Supply voltage					
for AC / rated value	V	400			
Supply voltage / for DC / rated value					
<ul> <li>with single-phase operation / with AC / rated value</li> </ul>	V	230			
<ul> <li>with multi-phase operation / with AC / rated value</li> </ul>	V	400			
Number of poles /note		1P			

Switching capacity current				
• in accordance with IEC 60947-2 / rated value	kA	40		
• 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	1.4		
Number of width units		1		
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		
Ambient temperature	_			
during storage	°C	-40 +75		
Position / of power supply cord	_	Any		
Product property / properties for main switches in accordance with EN 60204-1	_	Yes		
Mechanical operating cycles as operating time / typical	_	20,000		
Resistance against vibration / according to IEC 60068-2-6	_	50m/s <sup>2</sup> at 25 to 150Hz and 60m/s <sup>2</sup> at 35Hz (4sec)		
Overvoltage class		3		
Product equipment / touch-protection		Yes		
Resistance against shock / according to IEC 60068-2-27		150m/s <sup>2</sup> at 11ms half-sine		
Insulation voltage				
<ul> <li>with single-phase operation / with AC / rated value</li> </ul>	V	250		
• with multi-phase operation / with AC / rated value	V	440		
AWG number				
<ul> <li>as encoded connectable conductor cross-section</li> </ul>		14 4		
Section de conducteur raccordable				
• solid	mm²	0.75 35		
• multibrin	mm²	0.75 35		
finely stranded				
with wire end processing	mm²	0.75 25		
Product component				
combined terminal top		Yes		
combined terminal bottom		Yes		
Tightening torque				
with screw-type terminals	N∙m	2.5 3		

Tightening torque (Ibf-in)	-	
with screw connection	lbf∙in	22 26
Product feature		
• silicon-free		Yes
halogen-free		Yes
Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30		6
Reference ID / according to DIN EN 61346-2	-	F

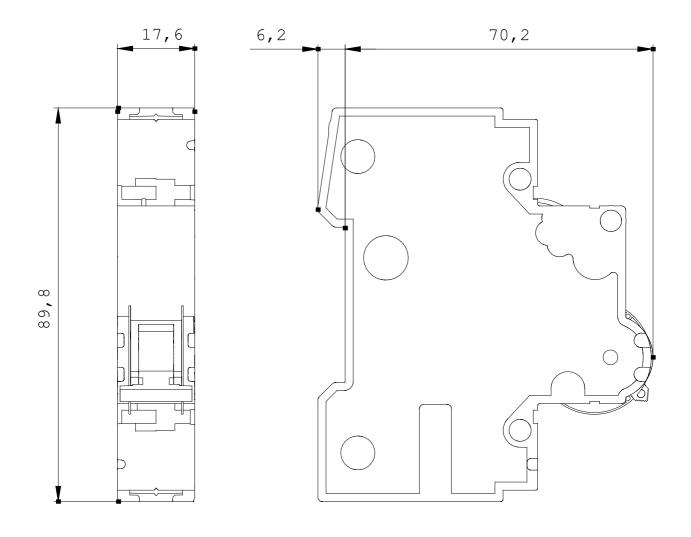
Certificates/approvals:								
General Produc	t Approval				Declaration of Conformity			
	GOST			VDE	EG-Konf.			
Shipping Appro	oval				other			
B U R E A U VE R ITAS	<b>ČŠ</b> DNV DNV	GL	Llovd's Register LRS	RINA	other			
Further information:								
Information- and Downloadcenter (Catalogs, Brochures,) http://www.siemens.com/lowvoltage/catalogs								
Industry Mall (Online ordering system) https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/5SY7104-7								

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/5SY7104-7/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SY7104-7

## **CAx-Online-Generator**

http://www.siemens.com/cax



last change:

Mar 24, 2014