SIEMENS

Product data sheet



CIRCUIT BREAKER 230/400V 25KA, 1POLE, C, 50A, D=70MM

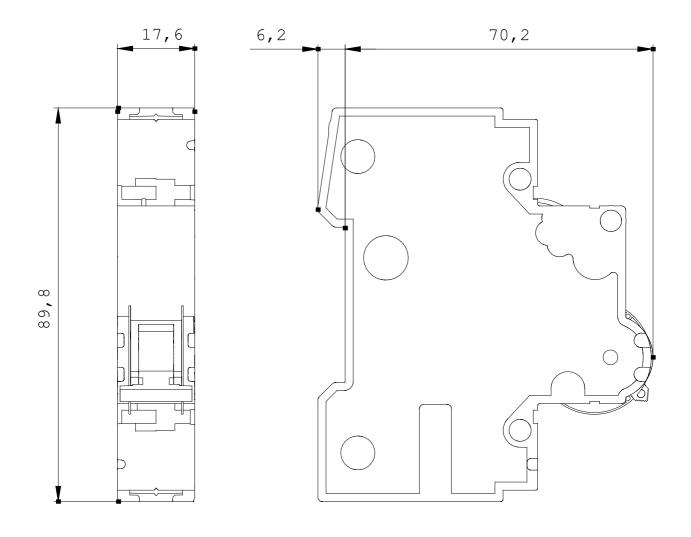
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Technical data:				
product brand name		SENTRON		
Product designation		5SY miniature circuit breaker		
Mounting type		Quick assembly system		
Type of voltage		AC/DC		
Height	mm	90		
Width	mm	18		
Depth	mm	76		
Net weight	g	171		
mounting position		any		
Mounting depth	mm	70		
Current / for AC / rated value	А	50		
Tripping characteristic class		C		
Supply voltage				
for AC / rated value	V	400		
Supply voltage / for DC / rated value				
 with single-phase operation / with AC / rated value 	V	230		
 with multi-phase operation / with AC / rated value 	V	400		
Number of poles /note	_	1P		

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
Breaking capacity short-circuit current (lcn)		
\bullet 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	1.6
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/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)
Overvoltage class	-	3
Product equipment / touch-protection	-	Yes
Resistance against shock / according to IEC 60068-2-27	-	150m/s ² at 11ms half-sine
Insulation voltage	-	
 with single-phase operation / with AC / rated value 	V	250
 with multi-phase operation / with AC / rated value 	V	440
AWG number	-	
 as encoded connectable conductor cross-section 		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 code / according to DIN EN 61346-2			F		
Certificates/approvals:					
General Product Approval	Declaration of Conformity	other	other		
	EG-Konf.	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/5SY8150-7					
Service&Support (Manuals, Certificates, Characteristics, FAQs,) http://support.automation.siemens.com/WW/view/en/5SY8150-7/all					
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams,) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY8150-7					
CAx-Online-Generator http://www.siemens.com/cax					

Tender specifications
Datanorm GAEB81 GAEB83 RTF TXT



last change:

Apr 14, 2014