



Miniature circuit breaker 400 V 15kA, 3-pole, C, 50 A

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
General technical data	
number of poles	3
design of pole	3P
tripping characteristic class	C
mechanical service life (switching cycles) / typical	10 000
overvoltage category	III
degree of pollution	3
Voltage	
type of voltage / of the operating voltage	AC
insulation voltage (Ui)	
• with single-phase operation / at AC / rated value	440 V
• with multi-phase operation / at AC / rated value	440 V
Supply voltage	
supply voltage	
• at AC / rated value	400 V
operating voltage / at DC / rated value / maximum	72 V
Protection class	
protection class IP	IP20, with connected conductors
Switching capacity	
switching capacity current	
• acc. to IEC 60947-2 / rated value	20 kA
Dissipation	
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	4.8 W
Current	
operational current	
• at 35 °C / rated value	50 A
• at 40 °C / rated value	47.25 A
• at 45 °C / rated value	45.8 A
• at 50 °C / rated value	44.3 A
• at 55 °C / rated value	42.75 A
• at AC / rated value	50 A
suitability for operation	Mechanical engineering / industry
Product details	
product component / neutral conductor switching	No
product feature / touch protection	Yes

product component			
<ul style="list-style-type: none"> combined terminal top combined terminal bottom 	 Yes Yes		
product feature			
<ul style="list-style-type: none"> properties for main switches in accordance with EN 60204-1 halogen-free sealable silicon-free 	 No Yes Yes Yes		
product extension / installable / supplementary devices	Yes		
Short circuit			
breaking capacity short-circuit current (I _{cn})			
<ul style="list-style-type: none"> at AC / acc. to UL 1077 and CSA C22.2 No.235 	5 kA		
Connections			
connectable conductor cross-section / solid			
<ul style="list-style-type: none"> minimum maximum 	 0.75 mm ² 35 mm ²		
connectable conductor cross-section / stranded			
<ul style="list-style-type: none"> minimum maximum 	 0.75 mm ² 35 mm ²		
connectable conductor cross-section / finely stranded / with core end processing			
<ul style="list-style-type: none"> minimum maximum 	 0.75 mm ² 25 mm ²		
tightening torque [lbf-in] / with screw-type terminals			
<ul style="list-style-type: none"> minimum maximum 	 22 lbf-in 31 lbf-in		
tightening torque / with screw-type terminals			
<ul style="list-style-type: none"> minimum maximum 	 2.5 N·m 3.5 N·m		
position / of power supply cord	Any		
Mechanical Design			
height	90 mm		
width	54 mm		
depth	76 mm		
installation depth	70 mm		
number of modular width units	3		
fastening method	Quick assembly system		
mounting position	any		
net weight	495 g		
Environmental conditions			
influence of the surrounding temperature	max. 95% to 55°C, max. 55% to 70°C, max. 35% to 75°C		
vibration resistance / acc. to IEC 60068-2-6	±1mm at 5 to 25Hz; 50m/s ² at 25 to 150Hz		
ambient temperature / during operation			
<ul style="list-style-type: none"> minimum maximum 	 -25 °C 55 °C		
ambient temperature / during storage			
<ul style="list-style-type: none"> minimum maximum 	 -40 °C 75 °C		
number of test cycles / for environmental testing / acc. to IEC 60068-2-30	28		
Certificates			
reference code			
<ul style="list-style-type: none"> acc. to DIN EN 61346-2 acc. to IEC 81346-2 	 F F		
General Product Approval	Declaration of Conformity	other	Railway



Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SY7350-7CC>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SY7350-7CC>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY7350-7CC

CAX-Online-Generator

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

Tender specifications

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



