

CIRCUIT BREAKER 400V 50KA ACC. IEC 947-2, T92 3-POLE, C, 40A



Model	
product brandname	SENTRON
Product designation	Miniature circuit breakers
Design of the product	5SP Miniature circuit breakers
General technical data	
Number of poles	3
Number of poles / Note	3P
Tripping characteristic class	C
circuit-breaker / Design	5SP9
Mechanical service life (switching cycles) / typical	20 000
Overvoltage category	3
Voltage	
Type of voltage	AC/DC
Insulation voltage	440 V
• at AC / rated value	
Supply voltage	
Supply voltage / at AC / rated value	400 V
Supply voltage frequency / rated value	50 Hz

Protection class	
Protection class IP	IP20, with connected conductors
Energy limiting class	3
Switching capacity	
Switching capacity current	
• acc. to IEC 60947-2 / rated value	50 kA
Electricity	
rated current I _n / IEC, DIN/VDE / at 40 Cel	37.6 A
Current / at AC / rated value	40 A
Product details	
Product feature / Touch protection	Yes
Product component	
• Tunnel terminals top	Yes
• Tunnel terminals bottom	Yes
Product feature	
• Properties for main switches in accordance with EN 60204-1	Yes
• halogen-free	Yes
• sealable	Yes
• silicon-free	Yes
Product extension / can be installed / supplementary devices	Yes
Product function	
Product function / neutral conductor switching	No
Number	
Number of test cycles / for environmental testing / acc. to IEC 60068-2-30	6
Connections	
Connectable conductor cross-section / stranded	
• minimum	0.75 mm ²
• maximum	50 mm ²
Connectable conductor cross-section	
• solid	
— minimum	0.75 mm ²
— maximum	50 mm ²
• finely stranded / with core end processing	
— minimum	0.75 mm ²
— maximum	35 mm ²
AWG number / as coded connectable conductor cross section	

• minimum	14
• maximum	2
Tightening torque [lbf·in] / with screw-type terminals	
• minimum	22 lbf·in
• maximum	31 lbf·in
Tightening torque / with screw-type terminals	
• minimum	2.5 N·m
• maximum	3.5 N·m
Position / of power supply cord	Any

Mechanical Design

Mounting position	any
Installation depth	92 mm
Number of width units	4.5
Mounting type	Standard mounting rail and screw fixing
Net weight	709 g

Environmental conditions

Influence of the surrounding temperature	Periodically +55°C, max. 95% humidity
Shock resistance / acc. to IEC 60068-2-27	150m/s² at 11ms half-sine
Vibration resistance / acc. to IEC 60068-2-6	50m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)
Ambient temperature	
• minimum	-25 °C
• maximum	45 °C
• during storage / minimum	-40 °C
• during storage / maximum	75 °C

Certificates

General Product Approval	Declaration of Conformity	Test Certificates
	 EG-Konf.	Typprüfbescheinigung/Werkzeugzeugnis

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/5SP9340-7KC47>

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

<http://support.automation.siemens.com/WW/view/en/5SP9340-7KC47/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SP9340-7KC47

CAX-Online-Generator

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

