





CIRCUIT BREAKER 230/400V 50KA ACC. IEC 947-2, T92 1-POLE, C, 20A

General technical data:		
Type of mounting		Standard mounting rail and screw fixing
mounting position		any
Mounting depth	mm	92
Current / for AC / rated value	A	20
Tripping characteristic class		C
type of voltage		AC/DC
Number of pitch units for width		1.5
Product feature / sealable		Yes
Degree of pollution		3
Supply voltage		
• for AC / rated value	V	400
• with single-phase operation / with AC / rated value	V	230
• with multi-phase operation / with AC / rated value	V	400
Number of poles		1
Number of poles /note		1P
Switching capacity current		
• in accordance with IEC 60947-2 / rated value	kA	50
Ambient temperature	°C	-25 ... +45
Influence of the surrounding temperature		Periodically +55°C, max. 95% humidity

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
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 • for AC / rated value	V	440
AWG number • as encoded connectable conductor cross-section		14 ... 2
Section de conducteur raccordable • solid • multibrin • finely stranded • with wire end processing	mm ² mm ² mm ²	0.75 ... 50 0.75 ... 50 0.75 ... 35
Product component • tunnel terminals top • tunnel terminals bottom		Yes Yes
Tightening torque • with screw-type terminals	N·m	2.5 ... 3.5
Tightening torque (lbf·in) • with screw connection	lbf·in	22 ... 31
Product feature • [not supplied - silicon-free] • halogen-free		Yes Yes
Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30		6

Certificates/approvals:

General Product Approval	Declaration of Conformity	Test Certificates	other
 GOST	 EG-Konf.	Type Test Certificates/Test Report	other

Further information:

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

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

Industry Mall (Online ordering system)

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

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

<http://support.automation.siemens.com/WW/view/en/5SP9120-7KC47/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SP9120-7KC47

CAX-Online-Generator

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

last change:

Dec 17, 2012