SIEMENS

Data sheet 5SY8340-7



Miniature circuit breaker 400 V D=70 mm 25 kA according to EN 60947-2, 3P, C40 $\,$

product brand name product designation Miniature circuit breaker General technical data number of poles design of pole tripping characteristic class C C mechanical service life (operating cycles) typical 10 000 overvoltage category B III description 3 overvoltage category B III description 10 000 overvoltage (IVI) A VIII description 10 000 overvoltage (IVI) A V		
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suitability for operation Mechanical engineering / industry	 at 55 °C rated value 	37.96 A
	 at AC rated value 	40 A
Product details	suitability for operation	Mechanical engineering / industry
	Product details	

product component Yes · combined terminal top · combined terminal bottom Yes neutral conductor switching No product feature • properties for main switches in accordance with EN Yes 60204-1 • halogen-free Yes sealable Yes • silicon-free Yes product extension installable supplementary devices Yes **Short circuit** short-circuit current breaking capacity (Icn) • at AC according to UL 1077 and CSA C22.2 No.235 5 kA connectable conductor cross-section solid • minimum 0.75 mm² 35 mm² • maximum connectable conductor cross-section stranded • minimum 0.75 mm² • maximum 35 mm² connectable conductor cross-section finely stranded with core end processing • minimum 0.75 mm² 25 mm² • maximum AWG number as coded connectable conductor cross section 18 minimum 4 • maximum tightening torque [lbf·in] with screw-type terminals • minimum 22 lbf·in 31 lbf·in maximum tightening torque with screw-type terminals • minimum 2.5 N·m • maximum 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 fastening method Quick assembly system mounting position any net weight 451 g **Environmental conditions** influence of the surrounding temperature max. 95% to 55°C, max. 55% to 70°C, max. 35% to 75°C standard IEC / EN 60947-2 / UL1077 vibration resistance according to IEC 60068-2-6 ±1mm at 5 to 25Hz; 50m/s² at 25 to 150Hz ambient temperature during operation • minimum -25 °C 55 °C • maximum ambient temperature during storage -40 °C • minimum 75 °C maximum number of test cycles for environmental testing according 6 to IEC 60068-2-30 **General Product Approval Declaration of Conformity**

Confirmation



Miscellaneous







other Environment

<u>Miscellaneous</u> <u>Confirmation</u> <u>Environmental Confirmations</u>

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=5SY8340-7

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

https://support.industry.siemens.com/cs/ww/en/ps/5SY8340-7

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY8340-7

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications







