SIEMENS

Data sheet 5SY6325-7



Miniature circuit breaker 400 V 6kA, 3-pole, C, 25A, D=70 mm

product brand name product designation Ministure circuit breaker Ceneral technical data number of poles design of pole 3P tripning characteristic class C C mechanical service life (operating cycles) typical 10 000 overvoltage category degree of pollution 3 Voltage type of voltage of the operating voltage IIII eye of voltage (Ui) AC with single-phase operation at AC rated value 440 V supply voltage with single-phase operation at AC rated value 230 V value Supply voltage with single-phase operation at AC rated value 440 V supply voltage with single-phase operation at AC rated value 230 V value Supply voltage supply voltage supply voltage of the operating voltage frequency 50/60 Hz operating voltage at DC rated value maximum 72 V Protection class IP IP20, with connected conductors Switching capacity current • at DC according to IEC 60947-2 rated value 6 kA • according to IEC 60947-2 rated value 6 kA • according to IEC 60947-2 rated value 6 kA • according to IEC 60947-2 rated value 6 kA • according to IEC 60947-2 rated value 15 kA • according to IEC 60947-2 rated value 6 kA • according to IEC 60947-2 rated value 6 kA • according to IEC 60947-2 rated value 6 kA • according to IEC 60947-2 rated value 9 to kA • according to IEC 60947-2 rated value 9 to kA • according to IEC 60947-2 rated value 9 to kA • according to IEC 60947-2 rated value 9 to kA • according to IEC 60947-2 rated value 9 to kA • according to IEC 60947-2 rated value 9 to kA • according to IEC 60947-2 rated value 9 to kA • according to IEC 60947-2 rated value 9 to kA • according to IEC 60947-2 rated value 9 to kA • according to IEC 60947-2 rated value 9 to kA • according to IEC 60947-2 rated value 9 to kA • according to IEC 60947-2 rated value 9 to kA • according to IEC 60947-2 rated value 9 to kA • according to IEC 60947-2 rated value 9 to kA • according to IEC 60947-2 rated value 9 to kA • according to IEC 60947-2 rated value 9 to kA • according to IEC 60947-2 rated value 9 to kA • according to IEC 6	Model	
Ceneral technical data number of poles design of pole tripping characteristic class mechanical service life (operating cycles) typical overvoltage category degree of pollution Voltage type of voltage of the operating voltage insulation voltage (Ui) with single-phase operation at AC rated value with multi-phase operation at AC rated value supply voltage with single-phase operation at AC rated value value auble Supply voltage at AC rated value at AC rated value at AC rated value at AC rated value at AC rated value be at AC rated value be at AC rated value	product brand name	SENTRON
number of poles design of pole 1 3P	product designation	Miniature circuit breaker
design of pole tripping characteristic class c mechanical service life (operating cycles) typical overvoltage category degree of pollution 3 Voltage type of voltage of the operating voltage insulation voltage (UI) • with single-phase operation at AC rated value • with multi-phase operation at AC rated value supply voltage with single-phase operation at AC rated value Supply voltage • at AC rated value • at AC rated value • at AC rated value value range of the supply voltage frequency operating voltage at DC rated value maximum 72 V Protection class protection class IP Switching capacity switching capacity current • at DC according to IEC 60947-2 rated value • acco	General technical data	
tripping characteristic class mechanical service life (operating cycles) typical overvoltage category degree of pollution 3 Voltage type of voltage of the operating voltage insulation voltage (UI) • with single-phase operation at AC rated value • with multi-phase operation at AC rated value supply voltage with single-phase operation at AC rated value value Supply voltage with single-phase operation at AC rated value value Supply voltage supply voltage supply voltage supply voltage • at AC rated value • at DC rated value • at DC rated value • at DC rated value value range of the supply voltage frequency operating voltage at DC rated value maximum 72 V Protection class protection class IP Switching capacity switching capacity switching capacity switching capacity current • at DC according to IEC 60947-2 rated value • according to IEC 60947-2 rated valu	number of poles	3
mechanical service life (operating cycles) typical overvoltage category dillr degree of pollution 3 Voltage type of voltage of the operating voltage insulation voltage (Ui) • with single-phase operation at AC rated value • with multi-phase operation at AC rated value with single-phase operation at AC rated value supply voltage with single-phase operation at AC rated value supply voltage with single-phase operation at AC rated value supply voltage with single-phase operation at AC rated value with single-phase operation with single-phase operation at AC rated value with single-phase operation with single-phase oper		3P
overvoltage category degree of pollution 3 Voltage type of voltage of the operating voltage insulation voltage (Ui) • with single-phase operation at AC rated value • with multi-phase operation at AC rated value supply voltage with single-phase operation at AC rated value supply voltage with single-phase operation at AC rated value supply voltage • at AC rated value • at DC rated value • at DC rated value • at DC rated value • at DC rated value • at DC rated value • at DC rated value • at DC rated value maximum 72 V Protection class protection class IP Switching capacity switching capacity current • at DC according to IEC 60947-2 rated value • according to IEC	tripping characteristic class	С
type of voltage of the operating voltage insulation voltage (Ui) • with single-phase operation at AC rated value • with multi-phase operation at AC rated value supply voltage with single-phase operation at AC rated value supply voltage with single-phase operation at AC rated value supply voltage supply voltage supply voltage supply voltage • at AC rated value • at DC rated value • at DC rated value value range of the supply voltage frequency operating voltage at DC rated value maximum 72 V Protection class protection class IP Switching capacity switching capacity switching capacity current • at DC according to IEC 60947-2 rated value • ACCOMBRITE TO TAKE TO THE VIEW TO	mechanical service life (operating cycles) typical	10 000
type of voltage of the operating voltage insulation voltage (Ui) • with single-phase operation at AC rated value • with multi-phase operation at AC rated value supply voltage with single-phase operation at AC rated value supply voltage with single-phase operation at AC rated value supply voltage • at AC rated value • at DC rated value • at DC rated value • at DC rated value • at DC rated value • at DC rated value • at DC rated value • at DC rated value • at DC rated value maximum 72 V Protection class protection class IP Switching capacity switching capacity current • at DC according to IEC 60947-2 rated value • be according to IEC 60947-2 rated value • according to IEC 60947-2 rated value • be according to IEC 60947-2 rated value • according to IEC 60947-2 rated value • be according to IEC 60947-2 rated value • combined terminal top • combined terminal top • combined terminal bottom Yes		III
type of voltage of the operating voltage insulation voltage (UI) • with single-phase operation at AC rated value • with multi-phase operation at AC rated value supply voltage with single-phase operation at AC rated value supply voltage with single-phase operation at AC rated value supply voltage Supply voltage supply voltage • at AC rated value • at DC rated value • at DC rated value value range of the supply voltage frequency operating voltage at DC rated value maximum 72 V Protection class protection class IP IP20, with connected conductors Switching capacity current • at DC according to IEC 60947-2 rated value • 2.2 W power loss [W] for rated value of the current at AC in hot operating state per pole suitability for operation Mechanical engineering / industry Product details product component • combined terminal top • combined terminal bottom Yes	degree of pollution	3
insulation voltage (Ui) • with single-phase operation at AC rated value • with multi-phase operation at AC rated value supply voltage with single-phase operation at AC rated value Supply voltage supply voltage supply voltage • at AC rated value • at DC rated value value range of the supply voltage frequency operating voltage at DC rated value maximum 72 V Protection class protection class IP IP20, with connected conductors Switching capacity switching capacity current • at DC according to IEC 60947-2 rated value • according to	Voltage	
with single-phase operation at AC rated value with multi-phase operation at AC rated value supply voltage with single-phase operation at AC rated value supply voltage Supply voltage at AC rated value at DC rated value value range of the supply voltage frequency operating voltage at DC rated value maximum 72 V Protection class protection class IP Switching capacity switching capacity switching capacity current at DC according to IEC 60947-2 rated value substantiation class Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole suitability for operation Product details product component combined terminal top Yes combined terminal bottom 440 V 44	type of voltage of the operating voltage	AC
with multi-phase operation at AC rated value supply voltage with single-phase operation at AC rated value Supply voltage supply voltage at AC rated value be at DC rated value coperating voltage at DC rated value maximum 72 V Protection class protection class IP Switching capacity switching capacity current at DC according to IEC 60947-2 rated value according to EN 60988 rated value according to IEC 60947-2 rated value according to IEC 60947-2 rated value according to IEC 60947-2 rated value be according to IEC 60947-2 rated value coperating voltage at DC rated value be according to IEC 60947-2 rated value coperating state per pole suitability for operation Product details product component combined terminal top combined terminal bottom Yes	- · · ·	
supply voltage Supply voltage supply voltage at AC rated value be at AC rated value coperating voltage at DC rated value maximum respectively protection class protection class IP Switching capacity switching capacity switching capacity current at DC according to IEC 60947-2 rated value according to EN 60898 rated value according to IEC 60947-2 rated value according to IEC 60947-2 rated value according to IEC 60947-2 rated value be according to IEC 60947-2 rated value coperating voltage power loss [W] for rated value of the current at AC in hot operating state per pole suitability for operation Product details product component combined terminal top combined terminal bottom Yes	 with single-phase operation at AC rated value 	440 V
supply voltage supply voltage • at AC rated value • at DC rated value • at DC rated value value range of the supply voltage frequency operating voltage at DC rated value maximum 72 V Protection class protection class IP IP20, with connected conductors Switching capacity switching capacity current • at DC according to IEC 60947-2 rated value • according to EN 60898 rated value • according to IEC 60947-2 rated value 15 kA energy limitation class 3 Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole suitability for operation Product details product component • combined terminal top • combined terminal bottom Yes	·	440 V
supply voltage • at AC rated value • at DC rated value • at DC rated value value range of the supply voltage frequency operating voltage at DC rated value maximum 72 V Protection class protection class IP IP20, with connected conductors Switching capacity switching capacity switching capacity current • at DC according to IEC 60947-2 rated value • 2.2 W operating state per pole suitability for operation Product details product component • combined terminal top • combined terminal bottom Yes		230 V
at AC rated value at DC rated value but DC rated value coperating voltage at DC rated value maximum coperating capacity Protection class protection class IP IP20, with connected conductors Switching capacity switching capacity current at DC according to IEC 60947-2 rated value capacity coperating to EN 60898 rated value capacity capacity coperating to EN 60898 rated value capacity coperating to EN 60898 rated value capacity coperation coperating to IEC 60947-2 rated value coperating state per pole suitability for operation Product details product details product component combined terminal top combined terminal bottom combined terminal bottom coperating voltage frequency coperating state per pole suitability for operation combined terminal top combined terminal bottom combined terminal bottom coperating value of the current at AC in hot coperating capacity coperating value coperation cope	Supply voltage	
• at DC rated value value range of the supply voltage frequency operating voltage at DC rated value maximum 72 V Protection class protection class IP IP20, with connected conductors Switching capacity switching capacity current • at DC according to IEC 60947-2 rated value • according to EN 60898 rated value • according to IEC 60947-2 rated value • be observed to the current at AC in hot operating state per pole suitability for operation Product details product details product component • combined terminal top • combined terminal bottom Yes	supply voltage	
value range of the supply voltage frequency operating voltage at DC rated value maximum Protection class protection class IP IP20, with connected conductors Switching capacity switching capacity current • at DC according to IEC 60947-2 rated value • according to EN 60898 rated value • according to IEC 60947-2 rated value • according to IEC 60947-2 rated value • according to IEC 60947-2 rated value • according to IEC 60947-2 rated value sylvation class Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole suitability for operation Product details product component • combined terminal top • combined terminal bottom Yes Yes	 at AC rated value 	400 V
protection class IP IP20, with connected conductors Switching capacity switching capacity current • at DC according to IEC 60947-2 rated value • according to EN 60898 rated value • according to IEC 60947-2 rated value • be according to IEC 60947-2 rated value • combined terminal top • combined terminal bottom 72 V IP20, with connected conductors Switching capacity IP20, with connected conductors IP20, with connected conductors IP20, with connected conductors IP20, with connected conductors Switching capacity IP20, with connected conductors IP20, with connected conductors IP20, with connected conductors Switching capacity IP20, with connected conductors IP20, with connected conducto	 at DC rated value 	60 V
Protection class IP IP20, with connected conductors Switching capacity switching capacity current • at DC according to IEC 60947-2 rated value 15 kA • according to EN 60898 rated value 6 kA • according to IEC 60947-2 rated value 15 kA energy limitation class 3 Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole suitability for operation Mechanical engineering / industry Product details product component • combined terminal top Yes • combined terminal bottom Yes		50/60 Hz
protection class IP IP20, with connected conductors Switching capacity switching capacity current • at DC according to IEC 60947-2 rated value • according to EN 60898 rated value • according to IEC 60947-2 rated value 15 kA • according to IEC 60947-2 rated value 15 kA energy limitation class 3 Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole suitability for operation Mechanical engineering / industry Product details product component • combined terminal top • combined terminal bottom Yes Yes	operating voltage at DC rated value maximum	72 V
Switching capacity switching capacity current • at DC according to IEC 60947-2 rated value • according to EN 60898 rated value • according to IEC 60947-2 rated value • according to IEC 60947-2 rated value 15 kA energy limitation class 3 Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole suitability for operation Product details product component • combined terminal top • combined terminal bottom Yes	Protection class	
switching capacity current • at DC according to IEC 60947-2 rated value • according to EN 60898 rated value • according to IEC 60947-2 rated value • according to IEC 60947-2 rated value 15 kA • according to IEC 60947-2 rated value 15 kA energy limitation class 3 Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole suitability for operation Mechanical engineering / industry Product details product component • combined terminal top • combined terminal bottom Yes	protection class IP	IP20, with connected conductors
 at DC according to IEC 60947-2 rated value according to EN 60898 rated value according to IEC 60947-2 rated value according to IEC 60947-2 rated value bkA energy limitation class Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole suitability for operation Mechanical engineering / industry Product details product component combined terminal top combined terminal bottom Yes 	Switching capacity	
 according to EN 60898 rated value according to IEC 60947-2 rated value 15 kA energy limitation class Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole suitability for operation Mechanical engineering / industry Product details product component combined terminal top combined terminal bottom Yes 	9 , ,	
 according to IEC 60947-2 rated value energy limitation class Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole suitability for operation Mechanical engineering / industry Product details product component combined terminal top combined terminal bottom Yes 	 at DC according to IEC 60947-2 rated value 	15 kA
energy limitation class Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole suitability for operation Product details product component • combined terminal top • combined terminal bottom 3 Mechanical engineering / industry Yes		6 kA
Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole suitability for operation Product details product component • combined terminal top • combined terminal bottom • combined terminal bottom • combined terminal bottom	_	
power loss [W] for rated value of the current at AC in hot operating state per pole suitability for operation Product details product component • combined terminal top • combined terminal bottom 2.2 W Mechanical engineering / industry Yes		3
operating state per pole suitability for operation Mechanical engineering / industry Product details product component • combined terminal top • combined terminal bottom Yes		
Product details product component • combined terminal top • combined terminal bottom Yes		2.2 W
product component	suitability for operation	Mechanical engineering / industry
 combined terminal top combined terminal bottom Yes Yes 	Product details	
• combined terminal bottom Yes	product component	
	 combined terminal top 	Yes
 neutral conductor switching 	 combined terminal bottom 	Yes
	 neutral conductor switching 	No

product feature • properties for main switches in accordance with EN Yes 60204-1 Yes • halogen-free • sealable Yes • silicon-free Yes product extension installable supplementary devices Yes Short circuit short-circuit current breaking capacity (Icn) 5 kA • at AC according to UL 1077 and CSA C22.2 No.235 connectable conductor cross-section solid 0.75 mm² • minimum maximum 35 mm² connectable conductor cross-section stranded 0.75 mm² • minimum 35 mm² connectable conductor cross-section finely stranded with core end processing 0.75 mm² minimum • maximum 25 mm² AWG number as coded connectable conductor cross section 18 • minimum • maximum 4 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 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 464 g **Environmental conditions** influence of the surrounding temperature max. 95% to 55°C, max. 55% to 70°C, max. 35% to 75°C IEC / EN 60898-1, IEC / EN 60947-2 / UL1077 standard vibration resistance according to IEC 60068-2-6 ±1mm at 5 to 25Hz; 50m/s2 at 25 to 150Hz ambient temperature during operation -25 °C • minimum 55 °C maximum ambient temperature during storage -40 °C • minimum maximum 75 °C number of test cycles for environmental testing according to IEC 60068-2-30 **General Product Approval**

Confirmation









Miscellaneous

General Product Approval EMC Declaration of Conform



Miscellaneous







Test Certificates

Marine / Shipping

Miscellaneous











other

Environment

Miscellaneous

Confirmation

Environmental Confirmations

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=5SY6325-7

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

https://support.industry.siemens.com/cs/ww/en/ps/5SY6325-7

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

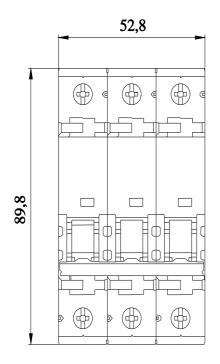
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY6325-7

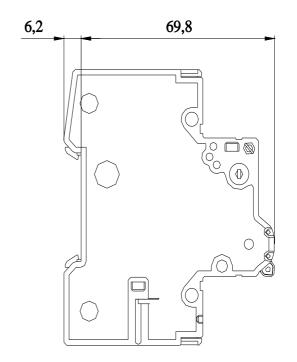
CAx-Online-Generator

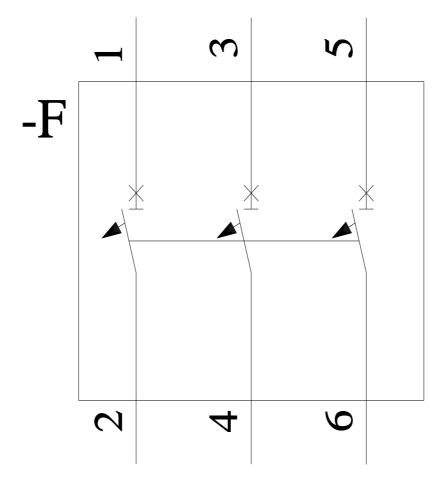
http://www.siemens.com/cax

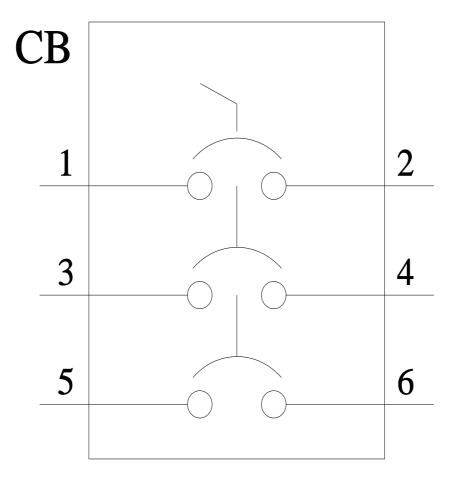
Tender specifications

http://www.siemens.com/specifications









last modified: 2/7/2023 🖸