SIEMENS

Data sheet 5SY4320-7



Miniature circuit breaker 400 V 10kA, 3-pole, C, 20 A, D=70 mm

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 (operating cycles) typical	10 000
overvoltage category	
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 with single-phase operation at AC rated value	230 V
operational current	
• at 40 °C rated value	19.04 A
• at 50 °C rated value	18.04 A
• at 55 °C rated value	17.5 A
• at 60 °C rated value	16.96 A
at AC rated value	20 A
Supply voltage	
supply voltage	
at AC rated value	400 V
at DC rated value	60 V
value range of the supply voltage frequency	50/60 Hz
operating voltage at DC rated value maximum	72 V
Protection class	
protection class IP	IP20, with connected conductors
Breaking Capacity	
switching capacity current	
 at DC according to IEC 60947-2 rated value 	15 kA
 according to EN 60898 rated value 	10 kA
according to IEC 60947-2 rated value	20 kA
energy limitation class	3
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	1.7 W
Product details	

product component		
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• minimum -40 °C	vibration resistance according to IEC 60068-2-6	±1mm at 5 to 25Hz; 50m/s² at 25 to 150Hz
	ambient temperature during operation	
a maximum 70 °C	• minimum	-40 °C
▼ maximum 10 C	• maximum	70 °C
ambient temperature during storage	ambient temperature during storage	
• minimum -40 °C		-40 °C
• maximum 75 °C	• maximum	75 °C
number of test cycles for environmental testing according to IEC 60068-2-30 6		6
Environmental footprint	Environmental footprint	
Environmental Product Declaration(EPD) Yes	Environmental Product Declaration(EPD)	Yes

Global Warming Potential [CO2 eq] total	25 kg
Global Warming Potential [CO2 eq] during manufacturing	1.53 kg
Global Warming Potential [CO2 eq] during operation	23.5 kg
Global Warming Potential [CO2 eq] after end of life	0.026 kg
Approvals Cartificatos	

Approvals Certificates

General Product Approval





Confirmation







General Product Approval

EMV



Miscellaneous

<u>KC</u>



Miscellaneous



Test Certificates

Marine / Shipping

Special Test Certificate

Miscellaneous









Marine / Shipping

other

Railway

Environment



Confirmation

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=5SY4320-7

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

https://support.industry.siemens.com/cs/ww/en/ps/5SY4320-7

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

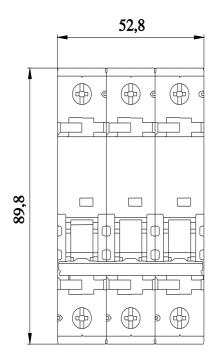
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY4320-7

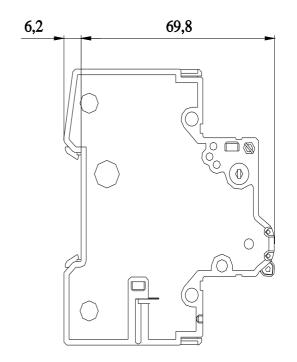
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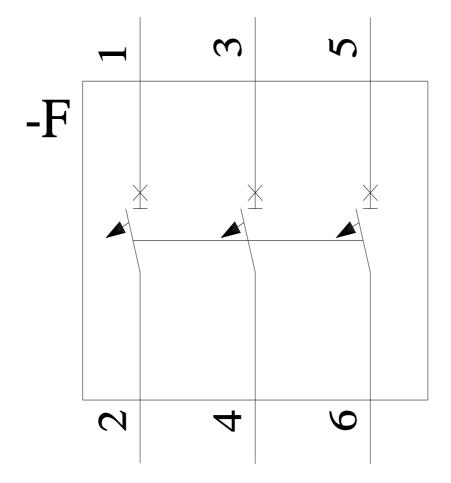
http://www.siemens.com/cax

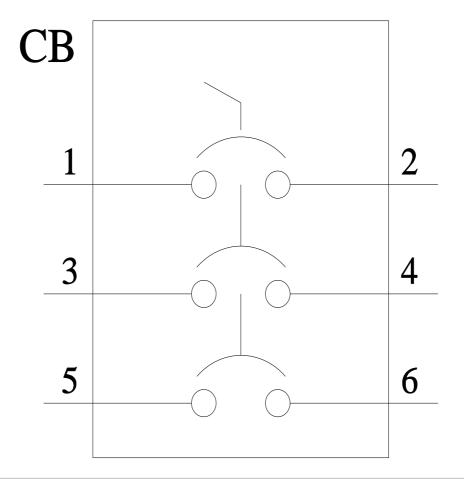
Tender specifications

http://www.siemens.com/specifications









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