SIEMENS

Data sheet 5SJ4232-8HG42



Circuit breaker 10kA, 2-pole, D, 32A according to UL 489-480Y/277V

product brand name product designation design of the product designation design of the product Miniature circuit-breaker SSJ4 General technical data number of poles design of pole 12P tripping characteristic class mechanical service life (operating cycles) typical installation environment regarding EMC reference code according to DIN 40719 extended according to IEC 2042 according to IEC 750 overvoltage category 3	Model	
design of the product General technical data number of poles design of pole tripping characteristic class mechanical service life (operating cycles) typical installation environment regarding EMC reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750 overvoltage category degree of pollution 3 Voltage insulation voltage (Ui) at AC rated value * at AC rated value * at AC rated value * at AC rated value * at AC according to UL 489 and CSA C22.2 No. 5-02 maximum * at DC rated value maximum * at DC rated value maximum * at DC single channel according to UL 489 and CSA C22.2 No. 5-02 maximum * at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum * at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum * at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum * at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum * at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum * at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum * at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum * at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum * at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum * at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum * at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum * at DC 3-channel according to BL 489 and CSA C22.2 No. 5-02 maximum * at DC 3-channel according to BL 489 and CSA C22.2 No. 5-02 maximum * at DC 3-channel according to BL 489 and CSA C22.2 No. 5-02 maximum * at DC 3-channel according to BL 489 and CSA C22.2 No. 5-02 maximum * at DC 3-channel according to BL 489 and CSA C22.2 No. 5-02 maximum * at DC 3-channel according to BL 489 and CSA C22.2 No. 5-02 maximum * at DC 3-channel according to BL 489 and CSA C22.2 No. 5-02 maximum * at DC 3-channel according to BL 489 and CSA C22.2 No. 5-02 maximum * at DC 4-channel according to BL 489 and CSA C22.2 No. 5-02 maximum * at DC 4	product brand name	SENTRON
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mechanical service life (operating cycles) typical installation environment regarding EMC reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750 overvoltage category 3 degree of pollution 3 Voltage insulation voltage (Ui) at AC rated value 440 V Supply voltage supply voltage u at AC rated value 400 V at AC rated value 400 V at AC rated value 50/60 Hz operating voltage at AC according to UL 489 and CSA C22.2 No. 5-02 maximum at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No.5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No.5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No.5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No.5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No.5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No.5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No.5-02 maximum but DC 2-channel accordi	design of pole	2P
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degree of pollution Voltage insulation voltage (Ui) at AC rated value 440 V Supply voltage supply voltage • at AC rated value • at DC rated value • at DC rated value • at AC according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC rated value maximum • at DC rated value maximum • at DC single channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum supply voltage frequency rated value 50 Hz Protection class protection class IP Switching capacity switching capacity current • according to EN 60898 rated value 10 kA 15 kA Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Current		F
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insulation voltage (Ui) at AC rated value 440 V Supply voltage supply voltage • at AC rated value 400 V • at DC rated value 50/60 Hz operating voltage • at AC according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC rated value maximum 60 V • at DC single channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC single channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 9.00 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum supply voltage frequency rated value 50 Hz Protection class protection class IP IP20, with connected conductors, IP 40 in the handle range Switching capacity switching capacity current • according to EN 60898 rated value 10 kA • according to EN 60898 rated value 15 kA Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Current	degree of pollution	3
supply voltage • at AC rated value • at DC rated value • at DC rated value • at AC according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC rated value maximum • at DC rated value maximum • at DC single channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum supply voltage frequency rated value Protection class protection class IP IP20, with connected conductors, IP 40 in the handle range Switching capacity switching capacity current • according to IEC 60947-2 rated value 10 kA • according to IEC 60947-2 rated value Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Current	Voltage	
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at AC rated value at DC rated value at DC rated value value range of the supply voltage frequency operating voltage at AC according to UL 489 and CSA C22.2 No. 5-02 maximum at DC rated value maximum at DC single channel according to UL 489 and CSA C22.2 No. 5-02 maximum at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum supply voltage frequency rated value protection class protection class protection class IP IP20, with connected conductors, IP 40 in the handle range witching capacity switching capacity switching capacity current according to IEC 60947-2 rated value according to IEC 60947-2 rated value power loss [W] for rated value of the current at AC in hot operating state per pole current	Supply voltage	
at DC rated value value range of the supply voltage frequency operating voltage at AC according to UL 489 and CSA C22.2 No. 5-02 maximum at DC rated value maximum at DC single channel according to UL 489 and CSA C22.2 No. 5-02 maximum at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum supply voltage frequency rated value protection class protection class IP IP20, with connected conductors, IP 40 in the handle range Switching capacity switching capacity current according to EN 60898 rated value according to IEC 60947-2 rated value Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Current	supply voltage	
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operating voltage • at AC according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC rated value maximum • at DC single channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum supply voltage frequency rated value Protection class protection class IP IP20, with connected conductors, IP 40 in the handle range Switching capacity switching capacity current • according to EN 60898 rated value • according to IEC 60947-2 rated value Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Current		60 V
at AC according to UL 489 and CSA C22.2 No. 5-02 maximum at DC rated value maximum at DC single channel according to UL 489 and CSA C22.2 No. 5-02 maximum at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum supply voltage frequency rated value Protection class protection class IP IP20, with connected conductors, IP 40 in the handle range Switching capacity switching capacity current according to EN 60898 rated value 10 kA according to IEC 60947-2 rated value 15 kA Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Current	value range of the supply voltage frequency	50/60 Hz
maximum • at DC rated value maximum • at DC single channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum supply voltage frequency rated value Protection class protection class IP Switching capacity switching capacity current • according to EN 60898 rated value 10 kA • according to IEC 60947-2 rated value 15 kA Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Current		
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C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum supply voltage frequency rated value Protection class protection class IP IP20, with connected conductors, IP 40 in the handle range Switching capacity switching capacity current • according to EN 60898 rated value • according to IEC 60947-2 rated value Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Current	 at DC rated value maximum 	60 V
C22.2 No. 5-02 maximum supply voltage frequency rated value Protection class protection class IP IP20, with connected conductors, IP 40 in the handle range Switching capacity switching capacity current • according to EN 60898 rated value • according to IEC 60947-2 rated value Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Current		60 V
Protection class IP IP20, with connected conductors, IP 40 in the handle range Switching capacity switching capacity current • according to EN 60898 rated value • according to IEC 60947-2 rated value Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Current	8	125 V
protection class IP Switching capacity switching capacity current • according to EN 60898 rated value • according to IEC 60947-2 rated value Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Current	supply voltage frequency rated value	50 Hz
Switching capacity switching capacity current • according to EN 60898 rated value • according to IEC 60947-2 rated value 15 kA Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Current	Protection class	
switching capacity current • according to EN 60898 rated value • according to IEC 60947-2 rated value 10 kA • according to IEC 60947-2 rated value 15 kA Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Current	protection class IP	IP20, with connected conductors, IP 40 in the handle range
 according to EN 60898 rated value according to IEC 60947-2 rated value bissipation power loss [W] for rated value of the current at AC in hot operating state per pole Current 	Switching capacity	
according to IEC 60947-2 rated value Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Current 15 kA 3.7 W 3.7 W	switching capacity current	
Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Current 3.7 W	 according to EN 60898 rated value 	10 kA
power loss [W] for rated value of the current at AC in hot operating state per pole Current 3.7 W	 according to IEC 60947-2 rated value 	15 kA
operating state per pole Current	Dissipation	
		3.7 W
operational current	Current	
	operational current	

 at 30 °C rated value 	32 A
 at 40 °C rated value 	32 A
 at 45 °C rated value 	31 A
 at 50 °C rated value 	30.4 A
 at 55 °C rated value 	29.6 A
 at 60 °C rated value 	28.8 A
 at AC rated value 	32 A
Main circuit	
type of voltage supply at AC according to UL 489 and	480/277
CSA C22.2 No. 5-02	
suitability for operation	Mechanical engineering / industry
Product details	
product component	
 tunnel terminals top 	No
 tunnel terminals bottom 	No
 combined terminal top 	Yes
combined terminal bottom	Yes
neutral conductor switching	No
product feature	
halogen-free	Yes
sealable	Yes
• silicon-free	Yes
product extension installable supplementary devices	Yes
Product function	100
product function note	Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in
Short circuit	Terrimal agricining torque for out, 50770 C, 5.5141170 Hz.III
	40 1-4
short-circuit current breaking capacity (Icn) at AC according to UL 1077 and CSA C22.2 No.235	10 kA
Connections	
connectable conductor cross-section finely stranded with core end processing	
• minimum	0.75 mm ²
maximum	25 mm²
tightening torque with screw-type terminals maximum	3.5 N·m
position of power supply cord	Any
Mechanical Design	
height	121 mm
width	36 mm
depth	70 mm
installation depth	70 mm
number of modular width units	2
fastening method	on standard mounting rail
mounting position	any
net weight	350 g
Environmental conditions	
vibration resistance	50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)
vibration resistance according to IEC 60068-2-6	±1 mm at 5 to 25 Hz; 50 m/s ² at 25 to 150 Hz
ambient temperature during operation	
• minimum	55 °C
maximum	-25 °C
ambient temperature during operation	max. 95% humidity
ambient temperature during storage	,
minimum	-40 °C
maximum	75 °C
General Product Approval	Declaration of Conformity



Confirmation









Special Test Certificate

Environmental Confirmations

Miscellaneous

Confirmation

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=5SJ4232-8HG42

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4232-8HG42

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4232-8HG42

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications



