## SIEMENS

## Data sheet

## 5SJ4313-7HG41



Miniature circuit breaker 240 V 14kA, 3-pole, C, 13 A, D=70 mm according to UL 489  $\,$ 

Model			
product brand name	SENTRON		
product designation	Miniature circuit breakers		
design of the product	Miniature circuit-breaker 5SJ4		
General technical data			
number of poles	3		
design of pole	3P		
tripping characteristic class	C		
mechanical service life (operating cycles) typical	10 000		
installation environment regarding EMC	Suitable for environment B (immunity to interference not applicable)		
reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750	F		
overvoltage category	3		
degree of pollution	3		
Voltage			
insulation voltage (Ui) at AC rated value	440 V		
Supply voltage			
supply voltage			
<ul> <li>at AC rated value</li> </ul>	400 V		
<ul> <li>at DC rated value</li> </ul>	60 V		
value range of the supply voltage frequency	50/60 Hz		
operating voltage			
<ul> <li>at AC according to UL 489 and CSA C22.2 No. 5-02 maximum</li> </ul>	240 V		
<ul> <li>at DC rated value maximum</li> </ul>	60 V		
<ul> <li>at DC single channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> </ul>	60 V		
<ul> <li>at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> </ul>	125 V		
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			
<ul> <li>according to EN 60898 rated value</li> </ul>	10 kA		
<ul> <li>according to IEC 60947-2 rated value</li> </ul>	15 kA		
Dissipation			
power loss [W] for rated value of the current at AC in hot operating state per pole	1.6 W		
Current			
operational current			

<ul> <li>at 30 °C rated value</li> <li>13 A</li> <li>at 40 °C rated value</li> <li>13 A</li> <li>at 45 °C rated value</li> <li>12 8 A</li> <li>at 50 °C rated value</li> <li>12 8 A</li> <li>at 50 °C rated value</li> <li>12 A</li> <li>at 60 °C rated value</li> <li>13 A</li> <li>Main circuit</li> <li>Ward AC according to UL 469 and CSA C22 2 No. 540</li> <li>Statistic for operation</li> <li>Mechanical engineering / industry</li> <li>Product densits</li> <li>Product densits</li> <li>Product densits</li> <li>Product densits</li> <li>Turnel terminals top</li> <li>No</li> <li>Combined terminal bottom</li> <li>No</li> <li>Combined terminal bottom</li> <li>Ves</li> <li>Stature</li> <li>Ves</li> <li>Ves</li> <li>Ves</li> <li>Stature</li> <li>Ves</li> <li>Ves</li> <li>Stature</li> <li>Ves</li> <li>Ves</li> <li>Ves</li> <li>Ves</li> <li>Stature</li> <li>Ves</li> <li>Stature</li> <li>Ves</li> <li>Ves</li></ul>			
if 45 °C rated value       if 46 °C rated value       if 48 ^C       if 48 ^C       if 40 °C rated value       if	<ul> <li>at 30 °C rated value</li> </ul>	13 A	
<ul> <li>at 50 °C rated value</li> <li>12 2 A</li> <li>at 50 °C rated value</li> <li>11 8 A</li> <li>at 60 °C rated value</li> <li>13 A</li> <li>14 A</li> <li>at 60 °C rated value</li> <li>13 A</li> <li>34 AC rated value</li> <li>13 A</li> <li>34 AC rated value</li> <li>14 A</li> <li>at 20 °C rated value</li> <li>240 °C rated value</li> <li>250 °C rated value</li> <li>260 °C rated turnet the rate rate rate rate rate rate rate rat</li></ul>	<ul> <li>at 40 °C rated value</li> </ul>	13 A	
<ul> <li>at 55 °C rated value</li> <li>11.8 A</li> <li>at 6 °C rated value</li> <li>13 A</li> <li>Man circuit</li> <li>Man circuit</li> <li>May Control Value</li> <li>14 A</li> <li>13 A</li> <li>A</li> <li>Additional Control Value</li> <li>14 A</li> <li>14 A</li> <li>16 °C rated value</li> <li>17 °C To many and the minal stop</li> <li>11 °C many and the minal stop</li> <li>10 °C many</li></ul>	<ul> <li>at 45 °C rated value</li> </ul>	12.6 A	
• et 40 °C rated value     11.4 A       • et AC rated value     13.A       Man circuit     240       ScA C22 20, 5-02     witeshills for operation       mechanical engineering / industry       Product component     No       • turnel terminals top     No       • turnel terminals top     No       • combined terminal bottom     Yes       • combined terminal bottom     Yes       • neutral conductor switching     No       product conductor switching     No       • neutral conductor switching     No       • salable     Yes       • salable     Yes       • salable     Yes       • salable     Yes       • product facture     Terminal tightening torque for Cu, 6075°C; 3.5Nm/31b in       Short-circuit current breaking capacity (lon) at AC     according to U. 1077 and CSA C22 2 No.235       Connectable conductor cross-section finely stranded with core end processing     0.75 mm²       • maximum     0.75 mm²       • minimum     0.75 mm²       • maximum     50 Nm       position of power suppty cord     Any       Mechanical Dosign     110 mm       with depth     70 mm       instalation depth     70 mm       instalation resistance     50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)	<ul> <li>at 50 °C rated value</li> </ul>	12.2 A	
at AC rated value     13 A       Main circuit     Ype of voltage supply at AC according to UL 489 and CSA C22 2 No. 5-02       Subtability for operation     Mechanical engineering / industry       Product details     No       product details     No       • turnel terminals top     No       • turnel terminals top     No       • combined terminal bottom     Yes       • combined terminal bottom     Yes       • combined terminal bottom     Yes       • neutral conductor subthing     No       product fasture     Yes       • halogn-free     Yes       • salable     Yes	<ul> <li>at 55 °C rated value</li> </ul>	11.8 A	
Main circuit         240           type of voltage supply at AC according to UL 489 and CSA C22 X 0. 5-02         Mechanical engineering / industry           Product data         Mechanical engineering / industry           Product data         No           • turnel terminals top         No           • turnel terminals top         No           • combined terminal top         Yes           • combined terminal bottom         Yes           • neutral conductor switching         No           product facture         Yes           • halogen-free         Yes           • satistable         Yes           • satistable         Yes           • satistable         Yes           • satistable         Yes           product function note         Terminal tightening torque for Cu, 60/75*C; 3.5Nm/3*Ib.in           Short circuit         Short circuit current breaking capacity ((er) at AC according to U. 1077 and CSA C222 No 235           Connectable conductor cross-section finely stranded with core end processing         • minimum           • minimum         0.75 mm <sup>2</sup> • tightening torque with screw-ty	<ul> <li>at 60 °C rated value</li> </ul>	11.4 A	
ippe of voltage supply at AC according to UL 489 and CSA C22 2 No. 5-02         240           witch of peration         Mechanical engineering / industry           Product details         Product details           product component         No           • tunnel terminals botom         No           • combined terminal botom         Yes           • combined terminal botom         Yes           • neutral conductors witching         No           product feature         Yes           • halogen-free         Yes           • sealable         Yes           • product function         Terminal bightening torque for Cu, 6075*C; 3.5Nm/31lb.in           Short circuit         Terminal bightening torque for Cu, 6075*C; 3.5Nm/31lb.in           Short circuit         14 kA           connectable conductor cross-section finely stranded with core end processing         0.75 mm²           connectable conductor cross-section finely stranded with core end processing         0.75 mm²           • maimum         3.5 Nm           upstion of power supply cord         3.5 Nm           Mechanical Design         10 mm           • maimum         3.5 Nm           upstion of power supply cord         3           Mechanical condition         3           fastening method	<ul> <li>at AC rated value</li> </ul>	13 A	
ČSA C22 P. No. 502     Mechanical engineering / industry       Product details       product details       product details       product details       product details       product details       owner terminals bottom       No       • tunnel terminals bottom       • combined terminal bottom       • combined terminal bottom       • neutral conductor switching       No       • neutral conductor switching       • reduct function       product function note       • Terminal tightening torque for Cu, 60/75°C; 3.5Nm31b.in       Short circuit       short circuit       short circuit       • minimum       • correctable conductor cross-section finely stranded with       core end proque with sorew-type terminals maximum       • noninnum       • or standard mounting ratil       • minimum       • minimum       • or standard mounting ratil       • minimum       • or standard mounting ratil       • mounting position       • or Standard       • wit	Main circuit		
Product details       product component       • tunnel terminals top       • tunnel terminals top       • combined terminal top       • combined terminal top       • combined terminal top       • neutral conductor switching       No       • coalable       • eaalable       • eaalable       • salable       • reaction       product function note       Short-Circuit current breaking capacity (Icn) at AC according to UL 1077 and CSA C22.2 No.235       Connectable conductor cross-section finely stranded with core end processing       • mainimum       • mainimum       • maximum       stopstic       • maximum       vibiton of power supply cord       Any       Mechanical Design       • position of power supply cord       Any       Mechanical Design       • product function entrol       Starting and the standard mounting rail       mounting position depth       rot       rot       fastening method       on standard mounting rail       mounting position       • minimum		240	
Product details       product component       • tunnel terminals top       • tunnel terminals top       • combined terminal top       • combined terminal top       • combined terminal top       • neutral conductor switching       No       • coalable       • eaalable       • eaalable       • salable       • reaction       product function note       Short-Circuit current breaking capacity (Icn) at AC according to UL 1077 and CSA C22.2 No.235       Connectable conductor cross-section finely stranded with core end processing       • mainimum       • mainimum       • maximum       stopstic       • maximum       vibiton of power supply cord       Any       Mechanical Design       • position of power supply cord       Any       Mechanical Design       • product function entrol       Starting and the standard mounting rail       mounting position depth       rot       rot       fastening method       on standard mounting rail       mounting position       • minimum	suitability for operation	Mechanical engineering / industry	
product component     No       • tunnel terminals top     No       • ornbined terminals top     Yes       • combined terminal bottom     Yes       • neutral conductor switching     No       product feature     Yes       • halogen-free     Yes       • salable     Yes       • salable     Yes       • salable     Yes       product function note     Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31b.in       Short circuit     Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31b.in       Short circuit     14 kA       scording to UL 1077 and CSA C22 2 to 235     14 kA       connectable conductor cross-section finely stranded with core end processing     0.75 mm²       • maximum     25 mm²       • maximum     3.5 N·m       with the screw-type terminals maximum     3.5 N·m       position of power supply cord     Any       Mechanical Design     110 mm       Installation depth     70 mm       number of modular width units     3       fastening method     on standard mounting rail       mounting position resistance     50 m/s² at 25 to 150Hz and 50m/s² at 35Hz (Asec)       • winnimm     -25 °C       amblent temperature during operation     max. 95% humidity       • maximum     -25 °C	- · ·		
<ul> <li>iunnel terminals top</li> <li>iunnel terminals topt</li> <li>iunnel terminals bottom</li> <li>combined terminal top</li> <li>yes</li> <li>combined terminal bottom</li> <li>yes</li> <li>combined terminal bottom</li> <li>yes</li> <li>combined terminal bottom</li> <li>yes</li> <li>combined terminal bottom</li> <li>yes</li> <li>sealable</li> <li>yes</li> <li>product function note</li> <li>Terminal tightening torque for Cu, 6075°C; 3.5Nm/31b.in</li> <li>Short circuit current breaking capacity (Icn) at AC according to UL 1077 and CSA C22.2 No.235</li> <li>Connectable conductor cross-section finely stranded with core end processing</li> <li>minimum</li> <li>0.75 mm<sup>3</sup></li> <li>maximum</li> <li>a,55 Nm</li> <li>waximum</li> <li>a,55 Nm</li> <li>beight</li> <li>tion of power supply cord</li> <li>Any</li> <li>Mechanical Design</li> <li>minitaliation depth</li> <li>ro modular with units</li> <li>a fastening method</li> <li>on standard mounting rail</li> <li>mounting costion resistance</li> <li>to fice C0068-2-6</li> <li>ambient temperature during operation</li> <li>and to 15 to 25 Hz; 50 m/s<sup>2</sup> at 25 to 150 Hz and 80m/s<sup>2</sup> at 35 Hz (Asec)</li> <li>vibration resistance according to IEC 60068-2-6</li> <li>ambient temperature during operation</li> <li>ambient temperature during operation</li> <li>maximum</li> <li>-25 °C</li> <li>maximum</li> <li>-25 °C</li> <li>maximum</li> <li>-25 °C</li> <li>maximum</li> <li>-25 °C</li> <li>ambient temperature during operation</li> <li>maximum</li> <li>-25 °C</li> <li>maximum</li> <li>-25 °C</li> </ul>			
• Lumel terminal bottom         No           • combined terminal bottom         Yes           • endutial conductor switching         No           • halogen-free         Yes           • halogen-free         Yes           • balogen-free         Yes           • elatable         Yes           • milicion free         Yes           • product function         Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31b.in <b>Short circuit</b> Terminal torque for Cu, 60/75°C; 3.5Nm/31b.in <b>Short circuit</b> Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31b.in <b>Short circuit</b> Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31b.in <b>Short circuit</b> Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31b.in <b>Connectable conductor cross-section finely stranded with</b> Connectable conductor cross-section finely stranded with           core end processing         0.75 mm²           • innimum         0.75 mm²           • onavinum         3.5 Nrm           position of power supply cord         Any           Mechanical Design         10 mm		No	
<ul> <li>combined terminal totom</li> <li>Yes</li> <li>combined terminal totom</li> <li>Yes</li> <li>combined terminal totom</li> <li>No</li> <li>product feature</li> <li>elatical conductor switching</li> <li>No</li> <li>product feature</li> <li>elation</li> <li>Yes</li> <li>remainal tightening torque for Cu, 60/75°C; 3.5Nm/31b.in</li> <li>Short-forcuit current breaking capacity ((cn) at AC according to UL 1077 and CSA C22.2 No 235</li> <li>Connections</li> <li>Connections conductor cross-section finely stranded with core end processing</li> <li>minimum</li> <li>0.75 mm<sup>3</sup></li> <li>maximum</li> <li>25 mm<sup>3</sup></li> <li>dight screw-type terminals maximum</li> <li>35 N m</li> <li>position of power supply cord</li> <li>Any</li> <li>Mechanical Design</li> <li>height</li> <li>110 mm</li> <li>width</li> <li>46 rm</li> <li>dight in the screw-type terminals maximum</li> <li>3 fastening method</li> <li>on standard mounting rail</li> <li>mounting position for position</li> <li>a fastening method</li> <li>on standard mounting rail</li> <li>mounting position</li> <li>a fastening method</li> <li>on standard mounting rail</li> <li>mounting position</li> <li>a standard mounting rail</li> <li>mounting operation</li> <li>t rum at 5 to 25 Hz; 50 m/s<sup>4</sup> at 35 Hz (4sec)</li> <li>t rum at 5 to 25 Hz; 50 m/s<sup>4</sup> at 35 Hz (4sec)</li> <li>t rum at 5 to 25 Hz; 50 m/s<sup>4</sup> at 35 Hz (4sec)</li> <li>t rum at 5 to 25 Hz; 50 m/s<sup>4</sup> at 35 Hz (4sec)</li> <li>t rum at 5 to 25 Hz; 50 m/s<sup>4</sup> at 35 Hz (4sec)</li> <li>t rum at 5 to 25 Hz; 50 m/s<sup>4</sup> at 35 Hz (4sec)</li> <li>t rum at 5 to 25 Hz; 50 m/s<sup>4</sup></li></ul>			
<ul> <li>combined terminal bottom</li> <li>yes</li> <li>neutral conductor switching</li> <li>No</li> <li>product feature</li> <li>islagen-free</li> <li>yes</li> <li>sealable</li> <li>Yes</li> <li>product extension installable supplementary devices</li> <li>Yes</li> <li>Product function</li> <li>product function note</li> <li>Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31b.in</li> <li>Short-forcial current breaking capacity ((on) at AC according to UL 1077 and CSA C22.2 No.235</li> <li>Connectable conductor cross-section finely stranded with core end processing</li> <li>minimum</li> <li>0.75 mm<sup>2</sup></li> <li>conservery to power supply cord</li> <li>Arry</li> <li>Mechanical Design</li> <li>hading and the dividence</li> <li>fastening method</li> <li>on standard mounting rail</li> <li>and robular width units</li> <li>a fastening method</li> <li>on standard mounting rail</li> <li>mounting position of production resistance</li> <li>vibration resistance</li> <li></li></ul>			
• neutral conductor switching       No         product feature       Yes         • satiable       Yes         • satiable       Yes         • satiable       Yes         • product stension installable supplementary devices       Yes         Product function note       Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in         Short circuit       Short circuit current breaking capacity (Icn) at AC according to UL 1077 and CSA C22.2 No.235         Connectable conductor cross-section finely stranded with core end processing       0.75 mm²         • inainimum       0.75 mm²         • maximum       25 mm²         itightening torque with screw-type terminals maximum       3.5 N·m         position of power supply cord       Any         Mechanical Design       110 mm         ministallation depth       70 mm         installation depth       70 mm         number of modular width units       3         fastening method       on standard mounting rail         mounting position 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/s² at 25 to 150 Hz         ambient temperature during operation       max. 95% humidity         ambient temperature during operation			
product feature     ialogen-free     Yes       • selalable     Yes       • solute extension installable supplementary devices     Yes       Product function     Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31b.in       Short-circuit     Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31b.in       Short-circuit current breaking capacity (Icn) at AC according to UL 1077 and CSA C22.2 No.235     14 kA       connectable conductor cross-section finely stranded with core end processing     0.75 mm²       connectable conductor cross-section finely stranded with core end processing     0.75 mm²       entiminum     0.75 mm²       maximum     3.5 N·m       position of power supply cord     Any       Mechanical Design     110 mm       height     110 mm       with     54 mm       depth     70 mm       number of modular with units     3       fastening method     on standard mounting rail       mounting position     soft to 25 Hz; 50 m/s² at 25 to 150 Hz       vibration resistance according to IEC 60068-2-6     a1 mm at 5 to 25 Hz; 50 m/s² at 25 to 150 Hz       wibration resistance according to IEC 60068-2-6     a1 mm at 5 to 25 Hz; 50 m/s² at 25 to 150 Hz       ambient temperature during operation     -25 °C       • maximum     -25 °C       • maximum     -25 °C       • maximum     -			
• halogen-free       Yes         • sealable       Yes         • sealable       Yes         product schemion installable supplementary devices       Yes         Product function       Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in         Short circuit       Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in         Short circuit current breaking capacity ((cn) at AC according to UL 1077 and CSA C22.2 No.235       Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in         Connectable conductor cross-section finely stranded with core end processing       • minimum       0.75 mm²         • maximum       25 mm²       • minimum       25 mm²         • maximum       25 mm²       • minimum       14 kA         position of power supply cord       Any       • maximum       25 mm²         height       110 mm       • maximum       25 mm²       • minima         position of power supply cord       Any       • maximum       • maximum         position of power supply cord       Any       • maximum       • maximum       • maximum         number of modular width units       3       • maximum	-		
		Yes	
• silicon-free       Yes         Product extension installable supplementary devices       Yes         Product function       Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in         Short circuit       Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in         Short circuit current breaking capacity (Icn) at AC according to UL 1077 and CSA C22.2 No.235       14 kA         Connectable conductor cross-section finely stranded with core end processing       0.75 mm²         • maximum       0.75 mm²         • maximum       25 mm²         • maximum       25 mm²         • maximum       3.5 N·m         orgo over supply cord       Any         Mechanical Design	-		
product extension installable supplementary devices         Yes           Product function         Terminal tightening torque for Cu, 80/75°C; 3.5Nm/31lb.in           Short circuit         Terminal tightening torque for Cu, 80/75°C; 3.5Nm/31lb.in           Short circuit current breaking capacity (Icn) at AC according to UL 1077 and CSA C22.2 No.235         14 kA           Connections         Connections           connectable conductor cross-section finely stranded with core end processing         0.75 mm²           e maximum         0.75 mm²           fight         10 mm           width         54 mm           depth         70 mm           installation depth         70 mm           number of modular width units         3           fastening method         on standard mounting rail           mounting position         50 m/s² at			
Product function       product function note     Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in       Short-circuit     ************************************			
product function note         Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in           Short circuit         short circuit current breaking capacity (Icn) at AC according to UL 1077 and CSA C22.2 No.235           Connectable conductor cross-section finely stranded with core end processing         14 kA           connectable conductor cross-section finely stranded with core end processing         0.75 mm²           emaximum         0.75 mm²           emaximum         3.5 N-m           model         Mechanical Design           height         110 mm           width         54 mm           depth         70 mm           number of modular width units         3           installation depth         70 mm           number of modular width units         3           installation depth         70 mm           number of modular width units         3           on standard mounting rail         on standard mounting rail           worthit merisitance according to IEC 60068-2-6         50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)           vibration resistance         50 m/s² at 25 to 150Hz         11 mm at 5 to 25 Hz; 50 m/s² at 25 to 150 Hz           eminimum         45 ° C         -25 ° C           ambient temperature during operation         max. 95% humidity           ambient tempe		100	
Short circuit         short-circuit current breaking capacity (ion) at AC according to UL 1077 and CSA C22.2 No.235       14 kA         Connectable conductor cross-section finely stranded with core end processing       0.75 mm²         • maximum       25 mm²         • maximum       25 mm²         • maximum       3.5 N·m         position of power supply cord       Any         Mechanical Design       110 mm         height       110 mm         width       54 mm         depth       70 mm         number of modular width units       3         fastening method       on standard mounting rail         mounting position 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/s² at 25 to 150 Hz         windth       55 °C         • maximum       55 °C         • maximum       55 °C         • maximum       40 °C			0.411
short-circuit current breaking capacity (Icn) at AC according to UL 1077 and CSA C22.2 No.235       14 kA         connections		Terminal tightening forque for Cu, 60/75°C; 3.5Nm/	311b.in
according to UL 1077 and CSA C22.2 No.235         Connections         connectable conductor cross-section finely stranded with core end processing         • minimum       0.75 mm²         • maximum       25 mm²         • maximum       25 mm²         position of power supply cord       Any         Machanical Design       110 mm         height       110 mm         with       54 mm         depth       70 mm         installation depth       70 mm         number of modular width units       3         fastening method       on standard mounting rail         mounting position       any         net weight       487 g         Environmental conditions       50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)         vibration resistance       50 m/s² at 25 to 150Hz and 60m/s² at 25 to 150 Hz         ambient temperature during operation       487 g         environmental conditions       55 °C         • minimum       55 °C         • maximum       -25 °C         ambient temperature during operation       max. 95% humidity         ambient temperature during storage       -40 °C         • minimum       -40 °C         • maximum       75 °C </td <td>Short circuit</td> <td></td> <td></td>	Short circuit		
connectable conductor cross-section finely stranded with core end processing       0.75 mm²         • minimum       0.75 mm²         • maximum       25 mm²         tightening torque with screw-type terminals maximum position of power supply cord       3.5 N·m         Mechanical Design       Any         Mechanical Design       110 mm         height       110 mm         width       54 mm         depth       70 mm         installation depth       70 mm         number of modular width units       3         fastening method       on standard mounting rail         mounting position       any         etwistion 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/s² at 25 to 150 Hz         ambient temperature during operation       -25 °C         ambient temperature during operation       max. 95% humidity         ambient temperature during storage       -40 °C         • maximum       -25 °C         ambient temperature during storage       -40 °C         • maximum       -75 °C		14 kA	
core end processing       0.75 mm²         • minimum       0.75 mm²         • maximum       25 mm²         tightening torque with screw-type terminals maximum       3.5 N·m         position of power supply cord       Any         Mechanical Design       110 mm         height       110 mm         width       54 mm         depth       70 mm         installation depth       70 mm         number of modular width units       3         fastening method       on standard mounting rail         mounting position       any         etwight       487 g         Environmental conditions       50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)         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/s² at 25 to 150 Hz         ambient temperature during operation       -25 °C         ambient temperature during operation       max. 95% humidity         ambient temperature during storage       -40 °C         • maximum       -25 °C         ambient temperature during storage       -40 °C         • maximum       -25 °C	Connections		
core end processing       0.75 mm²         • minimum       0.75 mm²         • maximum       25 mm²         tightening torque with screw-type terminals maximum       3.5 N·m         position of power supply cord       Any         Mechanical Design       110 mm         height       110 mm         width       54 mm         depth       70 mm         installation depth       70 mm         number of modular width units       3         fastening method       on standard mounting rail         mounting position       any         etwight       487 g         Environmental conditions       50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)         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/s² at 25 to 150 Hz         ambient temperature during operation       -25 °C         ambient temperature during operation       max. 95% humidity         ambient temperature during storage       -40 °C         • maximum       -25 °C         ambient temperature during storage       -40 °C         • maximum       -25 °C	connectable conductor cross-section finely stranded with		
<ul> <li>maximum</li> <li>25 mm²</li> <li>tightening torque with screw-type terminals maximum</li> <li>3.5 N·m</li> <li>Any</li> </ul> Mechanical Design height <ul> <li>flu0 mm</li> <li>stallation</li> <li>depth</li> <li>fastening method</li> <li>on standard mounting rail</li> <li>mounting position</li> <li>any</li> <li>ret weight</li> <li>deformental conditions</li> <li>vibration resistance</li> <li>vibration resistance according to IEC 60068-2-6</li> <li>at 1m mat 5 to 25 Hz; 50 m/s² at 25 to 150 Hz</li> <li>ambient temperature during operation</li> <li>minimum</li> <li>f55 °C</li> <li>maximum</li> <li>acs 7 °C</li> </ul> Declaration of Declaration of			
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position of power supply cord       Any         Mechanical Design       Image: state st	• maximum	25 mm <sup>2</sup>	
Mechanical Design         height       110 mm         width       54 mm         depth       70 mm         installation depth       70 mm         number of modular width units       3         fastening method       on standard mounting rail         mounting position       any         net weight       487 g         Environmental conditions       50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)         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/s² at 25 to 150 Hz         ambient temperature during operation       -25 °C         maximum       -25 °C         ambient temperature during operation       max. 95% humidity         ambient temperature during storage       -40 °C         maximum       75 °C	tightening torque with screw-type terminals maximum	3.5 N·m	
height       110 mm         width       54 mm         depth       70 mm         installation depth       70 mm         number of modular width units       3         fastening method       on standard mounting rail         mounting position       any         net weight       487 g         Environmental conditions       50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)         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/s² at 25 to 150 Hz         ambient temperature during operation       55 °C         • maximum       -25 °C         ambient temperature during operation       max. 95% humidity         ambient temperature during storage       -40 °C         • minimum       -40 °C         • maximum       75 °C	position of power supply cord	Any	
width       54 mm         depth       70 mm         installation depth       70 mm         number of modular width units       3         fastening method       on standard mounting rail         mounting position       any         net weight       487 g         Environmental conditions       50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)         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/s² at 25 to 150 Hz         ambient temperature during operation       -25 °C         ambient temperature during operation       -40 °C         ambient temperature during storage       -40 °C         maximum       75 °C	Mechanical Design		
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installation depth       70 mm         number of modular width units       3         fastening method       on standard mounting rail         mounting position       any         net weight       487 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/s² at 25 to 150 Hz         ambient temperature during operation       -25 °C         ambient temperature during operation       max. 95% humidity         ambient temperature during storage       -40 °C         minimum       75 °C         e maximum       75 °C			
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net weight       487 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/s² at 25 to 150 Hz         ambient temperature during operation       55 °C         • maximum       -25 °C         ambient temperature during operation       max. 95% humidity         ambient temperature during storage       -40 °C         • maximum       75 °C	mounting position		
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/s² at 25 to 150 Hz         ambient temperature during operation       55 °C         • maximum       -25 °C         ambient temperature during operation       max. 95% humidity         ambient temperature during storage       -40 °C         • maximum       75 °C         Declaration of		•	
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vibration resistance according to IEC 60068-2-6       ±1 mm at 5 to 25 Hz; 50 m/s² at 25 to 150 Hz         ambient temperature during operation       55 °C         • maximum       -25 °C         ambient temperature during operation       max. 95% humidity         ambient temperature during storage       -40 °C         • maximum       75 °C         • maximum       75 °C		50 m/s <sup>2</sup> at 25 to 150Hz and 60m/s <sup>2</sup> at 35Hz (4sec)	
ambient temperature during operation       55 °C         • minimum       -25 °C         ambient temperature during operation       max. 95% humidity         ambient temperature during storage       -40 °C         • maximum       -75 °C         • minimum       -75 °C         • maximum       -40 °C         • maximum       75 °C			
<ul> <li>minimum</li> <li>55 °C</li> <li>maximum</li> <li>-25 °C</li> <li>ambient temperature during operation</li> <li>max. 95% humidity</li> <li>ambient temperature during storage</li> <li>minimum</li> <li>-40 °C</li> <li>maximum</li> <li>75 °C</li> </ul> Declaration of	-		
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			Declaration of Conformity
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Declaration of Conformity	Test Certificates		other		
UK CA	<u>Miscellaneous</u>	<u>Special Test Certific-</u> <u>ate</u>	Environmental Con- firmations	<u>Miscellaneous</u>	<u>Confirmation</u>

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=5SJ4313-7HG41

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4313-7HG41

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

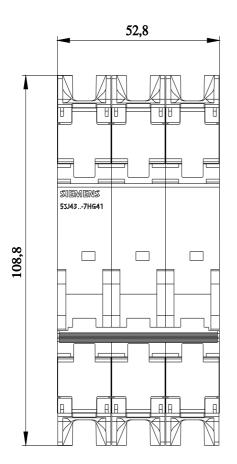
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SJ4313-7HG41

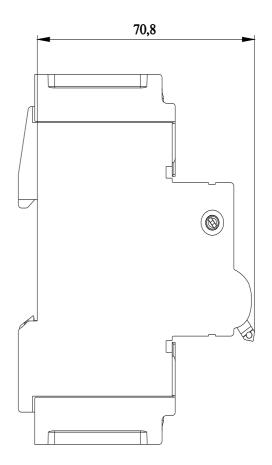
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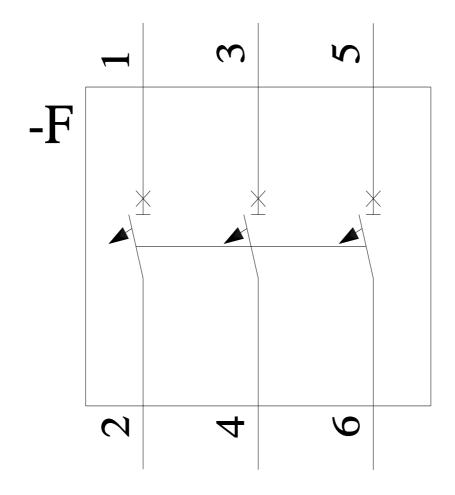
http://www.siemens.com/cax

**Tender specifications** 

http://www.siemens.com/specifications







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