## SIEMENS

## Data sheet

## 5SJ4315-8HG42



Circuit breaker 10kA, 3-pole, D, 1.6 A according to UL 489-480Y/277V

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	D
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>	277 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	1.5 W
Current	
operational current	

<ul> <li>ai 30 °C rade value</li> <li>15 A</li> <li>ai 43 °C rade value</li> <li>16 A</li> <li>ai 45 °C rade value</li> <li>15 A</li> <li>ai 45 °C rade value</li> <li>15 A</li> <li>ai 55 °C rade value</li> <li>15 A</li> <li>ai 60 °C rade value</li> <li>15 A</li> <li>ai 75 °C rade value</li> <li>16 A</li> <li>ai 75 °C rade value</li> <li>15 A</li> <li>ai 75 °C rade value</li> <li>16 A</li> <li>480 °C rade value</li> <li>16 A</li> <li>16 °C rade value</li> <li>16 °C rade value</li> <li>16 °C rade value</li> <li>16 °C rade value</li> <li>17 °C rade value</li> <li>18 °C rade value</li> <li>18 °C rade value</li> <li>18 °C rade value</li> <li>19 °C rade value</li> <li>10 °C rade valu</li></ul>			
<ul> <li>at 45 °C rated value</li> <li>15 A</li> <li>at 50 °C rated value</li> <li>15 A</li> <li>at 60 °C rated value</li> <li>15 A</li> <li>at 60 °C rated value</li> <li>16 A</li> <li>40 °C rated value</li> <li>40 °C °C</li> <li>at 60 °C °C °C</li> <li>at 60 °C °C</li></ul>	<ul> <li>at 30 °C rated value</li> </ul>	1.6 A	
<ul> <li>at 50 °C rated value</li> <li>1.5 A</li> <li>at 50 °C rated value</li> <li>1.4 A</li> <li>at AC rated value</li> <li>1.6 A</li> <li>Ad AC rated value</li> <li>1.6 A</li> <li>Advance</li> <li>Advance</li></ul>	<ul> <li>at 40 °C rated value</li> </ul>	1.6 A	
<ul> <li>at 55 °C rated value</li> <li>1.5 A</li> <li>at 6 °C rated value</li> <li>1.6 A</li> <li>Man circuit</li> <li>Advantage supply at AC according to UL 489 and CSA C222 No. 5-02</li> <li>Machanical engineering / industry</li> <li>Terminal terminals tootom</li> <li>No</li> <li>turnel terminals tootom</li> <li>No</li> <li>turnel terminals tootom</li> <li>No</li> <li>combined terminal bottom</li> <li>Yes</li> <li>combined terminal bottom</li> <li>Yes</li> <li>solability for conductor switching</li> <li>product function</li> <li>resultation onductor switching</li> <li>Solability for conductor switching</li> <li>resolability</li> <li>Yes</li> <li>solability</li> <li>resolability</li> <li>Yes</li> <li>solability</li> <li>Yes</li> <li>solability</li> <li>resolability</li> <li>Yes</li> <li>solability</li> <li>resolability</li> <li>Yes</li> <li>solability</li> <li>resolability</li> <li>Yes</li> <li>solability</li> <li>Yes</li> <li>solability</li> <li>resolability</li> <li>resolability</li> <li>resolability</li> <li>resolability</li> <li>resolability</li> <li>resolability</li> <li>resolability</li> <li>resolability</li> <li>resolability</li></ul>	<ul> <li>at 45 °C rated value</li> </ul>	1.6 A	
• at 60 °C rated value     1.4 A       • at AC rate value     1.6 A       Man circuit     480/277       Sch C22 20, 5-02     Mechanical engineering / Industry       Product component     480/277       • turnel terminals top     No       • turnel terminals top     No       • combined terminal botom     Yes       • combined terminal botom     Yes       • neutral conductor switching     No       product component     Yes       • neutral conductor switching     No       product conductor switching     No       product conductor switching     No       • salable     Yes       • salable     Yes       • salable     Yes       • salable     Yes       • reduct function     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 C222 No.235       Connectable conductor crass-section finely stranded with core end processing     .75 mm²       core end processing     .25 Nm       • maximum     .25 Nc       • maximum     .25 Nc       • maximum     .25 Nc </td <td><ul> <li>at 50 °C rated value</li> </ul></td> <td>1.5 A</td> <td></td>	<ul> <li>at 50 °C rated value</li> </ul>	1.5 A	
at AC rated value     1.6 A       Main circuit     High of voltage supply at AC according to UL 489 and CSA C22.2 No. 5-02       Vise of voltage supply at AC according to UL 489 and CSA C22.2 No. 5-02     Mechanical engineering / industry       Product details     Mechanical engineering / industry       Product details     No       • turnel terminals top     No       • combined terminal bottom     Yes       • combined terminal bottom     Yes       • combined terminal bottom     Yes       • neutral conductor switching     No       product fasture     Yes       • halogn-free     Yes       • salable     Yes       • according to UL 1077 and CSA C22.2 No.235     Connections       Connections     Connections       Connections     Short       conductor cross-section finely stranded with core end processing     To main       orin innum     0.75 mm²       • maxin	<ul> <li>at 55 °C rated value</li> </ul>	1.5 A	
Main circuit         View of voltage supply at AC according to UL 489 and CSA C222 No. 5-02         480/277           sutability for operation         Mechanical engineering / industry           Product domponent         •           • turnel terminals top         No           • turnel terminals top         No           • combined terminal top         Yes           • combined terminal bottom         Yes           • accombined terminal bottom         Yes           • satisbable         Yes           • conduct function         Terminal tightening torque for Cu, 60/75*C; 3.5Nm/3*tib.in           Short circuit         Short circuit current breaking capacity ((cr) at AC according to UL 1077 and CSA C222 No 235           Connectable conductor cross-section finely stranded with core end processing         no 75 mm²           • minimum<	<ul> <li>at 60 °C rated value</li> </ul>		
ippe of voltage supply at AC according to UL 489 and CSA C32 2 No. 5-02         480/277           suitability for operation         Mechanical engineering / industry           Product densities top         No           • tunnel terminals botom         No           • combined terminal botom         Yes           • combined terminal botom         Yes           • neutral conductor switching         No           product duration conductor switching         Yes           • neutral conductor switching         Yes           product function note         Terminal lightening torque for Cu, 60/75°C; 3.5Nm/31lb.in           Short circuit         Terminal lightening torque for Cu, 60/75°C; 3.5Nm/31lb.in           Short circuit         Terminal lightening torque for Cu, 60/75°C; 3.5Nm/31lb.in           Short circuit         Terminal lightening torque for Cu, 60/75°C; 3.5Nm/31lb.in           Short circuit         Terminal lightening torque for Cu, 60/75°C; 3.5Nm/31lb.in           Short circuit         10 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           installation depth         70 mm           nostion of power supply cord         3           with deph         70 mm²	at AC rated value	1.6 A	
ČSA C22 P. No. 502     Mechanical engineering / industry       Product details       product component     No       • tunnel terminals bottom     No       • combined terminals bottom     Yes       • combined terminals bottom     Yes       • neutral conductor switching     No       • neutral conductor switching     No       • neutral conductor switching     Yes       • neutral conductor switching     Yes       • salable     Yes       • salable     Yes       • salable     Yes       • salable     Yes       • product function note     Terminal tightening torque for Cu, 60/75*C; 3.5Nm31b.in       Short circuit     10 kA       scording to UL 1077 and CSA C22.2 No.235     5 mm²       Connectable conductor cross-section finely stranded with core end processing     6 mm²       • minimum     0.75 mm² </td <td>Main circuit</td> <td></td> <td></td>	Main circuit		
Product details       product component       • tunnel terminals top       • or oblined terminals top       • combined terminals bottom       • combined terminals bottom       • combined terminal top       • combined terminal top       • combined terminal bottom       • coalable       • concetable       • on action       • or action		480/277	
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/31lb.in       Short circuit     10 kA       scording to UL 1077 and CSA C22 2 No 235     10 kA       Connectable conductor cross-section finely stranded with core end processing     0.76 mm²       • minimum     0.76 mm²       • maximum     25 mm²       • instaindum     3.5 N·m       with depth     70 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 150 Hz       withor thereful     495 g       Environmental conditions     56 °C       • maximum     -26 °C <td>suitability for operation</td> <td>Mechanical engineering / industry</td> <td></td>	suitability for operation	Mechanical engineering / industry	
	Product details		
	product component		
• Lunnel terminals bottom       No         • combined terminal bottom       Yes         • neutral conductor switching       No         • nalogen-free       Yes         • halogen-free       Yes         • nalogen-free       Yes         • nalogen-free       Yes         • sealable       Yes         • nalogen-free       Yes         • sealable       Yes         • nalogen-free       Yes         • product function note       Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31b.in         Short circuit       Terminal toghtening torque for Cu, 60/75°C; 3.5Nm/31b.in         Short circuit current breaking capacity (Icn) at AC       10 kA         connectable conductor cross-section finely stranded with       core end processing         • innimum       0.75 mm²         • conduct with screw-type terminals maximum       3.5 N·m         position of power supply cord       Any         Mechanical Design       121 mm         width       54 mm         depth       70 mm         number of modular width units		No	
<ul> <li>combined terminal bottom</li> <li>ves</li> <li>elutral conductor switching</li> <li>No</li> <li>product feature</li> <li>elatogen-free</li> <li>ves</li> <li>sealable</li> <li>ves</li> <li>ves</li> <li>ves</li> <li>product features</li> <li>ves</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-circuit current breaking capacity (ten) 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>enaimum</li> <li>25 mm²</li> <li>tightening torque with screw-type terminals maximum</li> <li>3.5 N·m</li> <li>position of power supply cord</li> <li>Any</li> <li>Mechanical Design</li> <li>hort-duting the screw-type terminals maximum</li> <li>fastening method</li> <li>on standard mounting rail and mounting rail mounting rail mounting position resistance</li> <li>vibration resistance acting operation</li> <li>minimum</li> <li>25 °C</li> <li>ambient temperature during operation</li> <li>minimum</li> <li>25 °C</li> <li>maximum</li> <li>37 °C<!--</td--><td></td><td>No</td><td></td></li></ul>		No	
eneutral conductor switching     product feature     enalogen-free     esailable     seailable     esailable     esailable     yes     esailable     yes     esailable     yes     yes     product function     product function     product function note     Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in     Short circuit     short-circuit current breaking capacity (Ion) at AC     according to UL 1077 and CSA C22.2 No.235     Connectable     connectable conductor cross-section finely stranded with     core end processing     endinimum     forgore supply cord     Any     Mechanical Design     endinimum     forgore supply cord     Any     Mechanical Design     intailation depth     number of modular width units         3     fastening method     mounting position     intailation depth     number of modular width units         3     fastening method     mounting position     intailation depth     for ore supply     dot or or supply     dot or supply     dot or supply     dot or	<ul> <li>combined terminal top</li> </ul>	Yes	
product feature     inalogen-free     Yes       • escalable     Yes       • solicon-free     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 (Ion) at AC according to UL 1077 and CSA C22.2 No.235     10 kA       connectable conductor cross-section finely stranded with core end processing     0.75 mm²       • minimum     0.75 mm²       • minimum     0.75 mm²       • minimum     0.75 mm²       • minimum     0.75 mm²       • depth     25 mm²       tightening torque with screw-type terminals maximum     3.5 N-m       postion of power supply cord     Any       Mechanical Design     121 mm       with     54 mm       depth     70 mm       installation depth     70 mm       number of modular with units     3       fastening method     on standard mounting rail       mounting position     any       environmental conditions     50 m/s² at 25 to 150 Hz and 60m/s² at 35Hz (4sec)       vibration resistance     50 m/s² at 25 to 150 Hz       windth     55 °C       • maximum     55 °C       • maximum     55 °C       • minimum     -25 °C <td><ul> <li>combined terminal bottom</li> </ul></td> <td>Yes</td> <td></td>	<ul> <li>combined terminal bottom</li> </ul>	Yes	
• halogen-free     Yes       • sealable     Yes       • silicon-free     Yes       product stension 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     10 kA       Connectable conductor cross-section finely stranded with core end proceessing     • minimum       • maximum     0.75 mm²       • maximum     25 mm²       • maximum     5.N m       position of power supply cord     Any       Mechanical Design     121 mm       width     54 mm       depth     70 mm       number of modular width units     3       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 150 Hz 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     -25 °C       • minimum     -26 °C	<ul> <li>neutral conductor switching</li> </ul>	No	
	product feature		
• silicon-free       Yes         product function       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       10 kA         Connectable conductor cross-section finely stranded with core end processing       .       .         • maximum       0.75 mm²       .       .         • maximum       25 mm²       .       .       .         • order supply cord       Any       Mechanical Design       .	halogen-free	Yes	
product extension installable supplementary devices Yes Product function product function 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 eminimum eminimum fightening torque with screw-type terminals maximum soft modular with core end processing eminimum fightening torque with screw-type terminals maximum position of power supply cord Any Mechanical Design height form for modular width units fastening method mounting position mounting mounting position mounting position mounting	• sealable	Yes	
Product function         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 kA         core end processing	• silicon-free	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         10 kA           emaximum         0.75 mm²           height         121 mm           height         121 mm           width         64 mm           depth         70 mm           number of modular width units         3           on standard mounting rail         on standard mounting rail           mounting operation         60 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         60 m/s² c           emaximum         55 °C           emaximum         55 °C           emaximum         40 °C           emaximum         75 °C           eminimum         40 °C           emaximum         76 °C <td>product extension installable supplementary devices</td> <td>Yes</td> <td></td>	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       10 kA         connectable conductor cross-section finely stranded with core end processing       0.75 mm²         emainimum       0.75 mm²         emainimum       0.75 mm²         emainimum       3.5 N·m         position of power supply cord       Any         Mechanical Design       Any         height       121 mm         width       54 mm         depth       70 mm         number of modular width units       3         on standard mounting rail       any         number of modular width units       3         net weight       495 g         Environmental conditions       50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)         vibration resistance       51 mm at 5 to 25 Hz; 50 m/s² at 25 to 150 Hz         emainum       55 °C         emainum       55 °C         emainum       40 °C         emainum       40 °C         emainum       40 °C         emainum       40 °C         emainum       75 °C	Product function		
short-circuit current breaking capacity (Icn) at AC according to UL 1077 and CSA C22.2 No.235       10 kA         connections	product function note	Terminal tightening torque for Cu, 60/75°C; 3.5Nm/	31lb.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         Mechanical Design       121 mm         height       121 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         vibration resistance       50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)         vibration 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         ambient temperature during operation       max. 95% humidity         ambient temperature during storage       -40 °C         • maximum       -40 °C         • maximum       -40 °C	Short circuit		
Connectable conductor cross-section finely stranded with core end processing       0.75 mm²         • minimum       0.75 mm²         • minimum       25 mm²         • maximum       3.5 N·m         position of power supply cord       Any         Mechanical Design       121 mm         height       121 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         etwisht       495 g         Environmental conditions       50 m/s² at 25 to 150 Hz         vibration resistance       50 m/s² at 25 to 150 Hz         with temperature during operation       55 °C         • maximum       -25 °C         ambient temperature during operation       max. 95% humidity         ambient temperature during operation       max. 95% humidity         • maximum       -25 °C         ambient temperature during storage       -40 °C         • maximum       75 °C		10 kA	
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       3.5 N·m         position of power supply cord       Any         Mechanical Design       121 mm         height       121 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         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         emaximum       -25 °C         ambient temperature during operation       max. 95% humidity         ambient temperature during storage       -40 °C         emaximum       75 °C			
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       Any         height       121 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       55 °C         emaximum       -25 °C         ambient temperature during operation       max. 95% humidity         ambient temperature during operation       max. 95% humidity         ambient temperature during storage       -40 °C         • maximum       75 °C			
• maximum       25 mm²         tightening torque with screw-type terminals maximum       3.5 N·m         position of power supply cord       Any         Mechanical Design       Any         meight       121 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       495 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         emaximum       -25 °C         ambient temperature during storage       -40 °C         emaximum       -25 °C         ambient temperature during storage			
tightening torque with screw-type terminals maximum position of power supply cord Any Mechanical Design height width depth installation depth number of modular width units fastening method mounting position net weight for the sistance vibration resistance vibration resistance vibration resistance vibration resistance inmimum minimum minimum for during operation minimum for during operation minimum for during operation maximum minimum for c maximum minimum for c fanced Product Approval Method Any Method Any	• minimum	0.75 mm <sup>2</sup>	
position of power supply cord       Any         Mechanical Design       Image: Stress of St	• maximum	25 mm <sup>2</sup>	
Mechanical Design         height       121 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       495 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         wibration 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 operation       max. 95% humidity         ambient temperature during operation       -40 °C         maximum       75 °C		3.5 N·m	
height       121 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       495 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         witherative during operation       55 °C         e maximum       -25 °C         ambient temperature during operation       max. 95% humidity         ambient temperature during storage       -40 °C         e maximum       75 °C         Declaration of       Declaration of	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       495 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 storage       -40 °C         maximum       75 °C	Mechanical Design		
depth       70 mm         installation depth       70 mm         number of modular width units       3         fastening method       on standard mounting rail         mounting position       any         net weight       495 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         wibration resistance according to IEC 60068-2-6       ±1 mm at 5 to 25 Hz; 50 m/s² at 25 to 150 Hz         embient temperature during operation       55 °C         embient temperature during operation       max. 95% humidity         ambient temperature during operation       max. 95% humidity         ambient temperature during storage       -40 °C         e maximum       -40 °C         e maximum       75 °C	height	121 mm	
installation depth       70 mm         number of modular width units       3         fastening method       on standard mounting rail         mounting position       any         net weight       495 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       -         • minimum       -25 °C         ambient temperature during operation       max. 95% humidity         ambient temperature during storage       -         • minimum       -25 °C         ambient temperature during storage       -         • minimum       -25 °C         ambient temperature during storage       -         • minimum       -25 °C         ambient temperature during storage       -         • minimum       -25 °C         • minimum       -25 °C         • maximum       -40 °C         • maximum       75 °C	width	54 mm	
number of modular width units       3         fastening method       on standard mounting rail         mounting position       any         net weight       495 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         emaximum       -25 °C         ambient temperature during operation       max. 95% humidity         ambient temperature during storage       -40 °C         emaximum       -75 °C         emaximum       75 °C	depth	70 mm	
fastening method       on standard mounting rail         mounting position       any         net weight       495 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         emaximum       -25 °C         ambient temperature during operation       max. 95% humidity         ambient temperature during storage       -40 °C         emaximum       75 °C			
mounting position net weightany 495 gEnvironmental conditionsvibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation • minimum • minimum • maximum50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec) ±1 mm at 5 to 25 Hz; 50 m/s² at 25 to 150 Hz• minimum • minimum • maximum55 °C - 25 °C max. 95% humidityambient temperature during operation ambient temperature during operation • minimum • minimum • 75 °C-40 °C - 75 °C• maximum • maximum75 °C			
net weight       495 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	5	on standard mounting rail	
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		•	
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	-	495 g	
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       55 °C         • minimum       -25 °C         ambient temperature during operation       max. 95% humidity         ambient temperature during storage       -40 °C         • maximum       75 °C			
ambient temperature during operation       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			
<ul> <li>minimum</li> <li>maximum</li> <li>maximum</li> <li>-25 °C</li> <li>ambient temperature during operation</li> <li>ambient temperature during storage</li> <li>minimum</li> <li>-40 °C</li> <li>maximum</li> <li>75 °C</li> </ul> Declaration of	-	±1 mm at 5 to 25 Hz; 50 m/s <sup>2</sup> at 25 to 150 Hz	
	· · · · · · · · · · · · · · · · · · ·	55.00	
ambient temperature during operation     max. 95% humidity       ambient temperature during storage     -40 °C       • minimum     -40 °C       • maximum     75 °C			
ambient temperature during storage <ul> <li>minimum</li> <li>-40 °C</li> <li>maximum</li> </ul> <li>75 °C</li> Declaration of			
minimum -40 °C     maximum 75 °C  General Product Approval  Declaration of		max. 95% numially	
• maximum 75 °C Declaration of		-10 °C	
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Declaration of Conformity	Test Certificates	other		
UK CA	<u>Special Test Certific-</u> <u>ate</u>	Environmental Con- firmations	<u>Miscellaneous</u>	<u>Confirmation</u>

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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=5SJ4315-8HG42

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

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

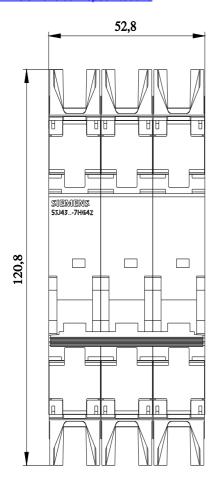
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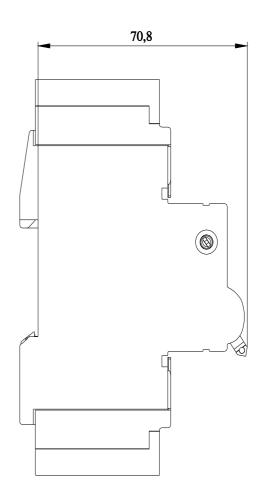
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