# SIEMENS

## Data sheet

# 5SJ4140-8HG41



Miniature circuit breaker 240 V 10kA, 1-pole, D, 40A, 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	1
tripping characteristic class	D
mechanical service life (switching 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	
type of voltage / of the operating voltage	AC/DC
insulation voltage (Ui) / at AC / rated value	440 V
Supply voltage	
supply voltage / at AC / rated value	400 V
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	4.5 W
Current	
operational current	
• at 30 °C / rated value	40 A
• at 40 °C / rated value	40 A

<ul> <li>at 3° C / rate value</li> <li>38.8 A</li> <li>at 3° C / rate value</li> <li>37.8 A</li> <li>at 3° C / rate value</li> <li>38.3 A</li> <li>at 3° C / rate value</li> <li>38.3 A</li> <li>at 3° C / rate value</li> <li>38.4 A</li> <li>38.4 A</li> <li>at 3° C / rate value</li> <li>38.4 A</li> <li>38.4 A</li> <li>39.4 A</li> <li< th=""><th></th><th></th></li<></ul>		
e1 65 °C / rated value     96.3 Å       e1 65 °C / rated value     96.3 Å       e1 60 °C / rated value     90.4 Å       Main circuit     40.4       Wether Value (SA C according to UL 489 and (SA C 222 No. 5-02     700       subability for operation     Mechanical engineering / industry       Product details     700       product component / neutral conductor switching     No       product component / neutral conductor switching     No       • Lurnel terminals top     No       • Lurnel terminals top     Yes       • combined terminal top     Yes       • combined terminal bottom     Yes       • combined terminal top     Yes       • combined terminal bottom     Yes       • combined terminal bottom     Yes       • combined terminal top     Yes       • combined terminal bottom     Yes       • combined terminal bottom     Yes       • combined terminal top     Yes       • conductor cross-section / finely stranded / dubit core end proeessing     0.75 mm² <t< td=""><td><ul> <li>at 45 °C / rated value</li> </ul></td><td>38.8 A</td></t<>	<ul> <li>at 45 °C / rated value</li> </ul>	38.8 A
• et 80 °C / rated value     35.2 Å       • et AC / rated value     40 Å       Main chrcuit     240       Sch C22 / 200 Stage supply / 14 C/ according to UL 489 and     240       Sch C22 / 200 Sch Sch Z     240       suitability for operation     Mechanical engineering / industry       Product details     Product component / relation conductor switching       product component / feature / touch protection     Yes       • funnel terminals top     No       • funnel terminals top     No       • combined terminal bottom     Yes       product feature     Yes       • allogen-free     Yes       • solatable     Yes       • solatable     Yes       • solatable     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     Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in       Short end processing     10 kA       connectable conductor cross-section / finely stranded / with orier end processing     10 kA       connectable conductor cross-section / finely stranded / with orier end processing     10 kA       connectable conductor cross-section / finely stranded / with orier     25 mm²       existion     10 mm       with All All All Al		
• at AC / rated value     40 A       Main concutt     Yes       byse of voltage supply / at AC / according to UL 489 and CSA C22 z No. 5-02     240       subability for operation     Mechanical engineering / industry       Product datable     product component / neutral conductor switching product sature / touch protection     Yes       product component     No       • turnel terminals botom     No       • combined terminal top     Yes       • combined terminal top     Yes       • combined terminal tootom     Yes       • abagen-free     Yes       • product textnsion / Installable / supplementary devices     Yes       Product textnsion / Installable / supplementary devices     Yes       • according to UL 1077 and CSA C22 2 No 235     Commetable conductor crose-section / finely stranded / with core end processing     I0 kA       • maximum     0.75 mm <sup>4</sup> Commetable conductor crose-section / finely stranded / with core end processing       • maximum     25 mm <sup>4</sup> So m <sup>4</sup> • maximum     25 mm <sup>4</sup> So m <sup>4</sup> • maximum     26 mm <sup>4</sup> May       • maximum     25 mm <sup>4</sup> So m <sup>4</sup> • maximum     10 k		
Main circuit       240         Sch C22, 2No. 5-02       Suitability for operation       Mechanical engineering / industry         Product component / neutral conductor switching       No         • turnel terminals top       No         • turnel terminals top       No         • combined terminal bottom       Yes         • abalgen-free       Yes         • soalable       Yes         • soalable       Yes         • product fasture       Yes         • product fasture       Yes         • soalable       Yes         • product function / note       Terminal tightening torque for Cu. 60/75°C: 3.5Nm/31lb.in         Short circuit       Short circuit current (Icn) / at AC /         oconnectable conductor ross-section / finely stranded /       10 kA         connectable conductor ross-section / finely stranded /       10 kA         connectable conductor ross-section / finely stranded /       Any         Mechanical Design       11 mm         • maximum       2.5 Nm		
Type of voltage supply / et AC / according to UL 489 and CSA C22 2 No. 5-02         240           suitability for operation         Mechanical engineering / industry           Product component / neutral conductor switching         No           product component / neutral conductor switching         No           • turnel terminals top         No           • turnel terminals totom         Yes           • combined terminal bottom         Yes           • combined terminal bottom         Yes           product extension / installable / supplementary devices         Yes           product texture         Yes           product control / note         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 ((in) / at AC / according to UL 1077 and CSA C22 2 No 235         Torm <sup>2</sup> Connectable conductor cross-section / finely stranded / with core end processing         Ary           Mechanical opposition         3.5 N m           position         10 mm           maximum         25 mm²           dightening torque / with screw-type terminals / maximum         3.5 N m           position         any           Mechanical opsition         any           minimum         48 mm		40 A
CSA C22 20.0. 5-02         subability for operation       Mechanical engineering / industry         Product domponent / neutral conductor switching       No         product component / neutral conductor switching       No         product component / neutral conductor switching       No         product component / neutral conductor switching       No         • turnel terminals top       No         • turnel terminals top       No         • combined terminal top       Yes         • combined terminal botom       Yes         • abalgen, free       Yes         • abalgen, free       Yes         • sealable       Yes         • product function       res         product function       res         product function       res         product function / note       Terminal tightening torque for Cu, 6075°C; 3.5Nm/31b.in         Short circuit       10 KA         connectable conductor cross-action / finely stranded / with core end processing       0.75 mm²         • minimum       25 mm²         • minimum       26 mm²         • minimum       3.5 N m         position of power supply cord       Any         Mechanical degh       70 mm         number of modular width units	Main circuit	
Product details       No         product component / neutral conductor switching       No         product component       Yes         itunnel terminals top       No         itunnel terminals bottom       Yes         combined terminal bottom       Yes         product feature       No         italication       Yes         product feature       Yes         islicon-free       Yes         product feature       Yes         islicon-free       Yes         product function       Yes         product function       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       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       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       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       Torxicuit </td <td></td> <td>240</td>		240
product component / neutral conductor switching         No           product reature / touch protection         Yes           product component         Yes           • tunnel terminals top         No           • tunnel terminals botom         No           • combined terminal botom         Yes           product camponent         Yes           • combined terminal botom         Yes           product feature         Yes           • halogen-free         Yes           product extension / installable / supplementary devices         Yes           product extension / installable / supplementary devices         Yes           product function         reading the street of	suitability for operation	Mechanical engineering / industry
product feature / fouch protection         Yes           product component         •           • Lunnel terminals top         No           • combined terminal bottom         Yes           • sealable         Yes           • solicon-free         Yes           product function         / Yes           product function / note         Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31b.in           Short circuit         Decentions           connectable conductor cross-section / finely stranded / with core end processing         •           • minimum         2.5 mm²           • minimum         2.5 mm²           • tightening torque / with screw-type terminals / maximum         3.5 N m           position / of power supp) cord         Any           Mechanical Design         •           height         110 mm           instatilation depth         70 mm </td <td>Product details</td> <td></td>	Product details	
product component     No       • turnel terminals top     No       • combined terminals top     Yes       • combined terminal bottom     Yes       • combined terminal bottom     Yes       product feature     Yes       • halogen-free     Yes       • salable     Yes       • product function / note     Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in       Short circuit     Torminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in       Short circuit     Torminal 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     Torminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in       Connectable conductor rors-section / finely stranded /     10 kA       according to LL 1077 and CSA C22.2 No 235     Connectable Conductor rors-section / finely stranded /       with core end processing     0.75 mm²       • maximum     25 mm²       • maximum     25 mm²       • depth     10 mm       with ore end processing     0.75 mm²       • maximum     25 mm²       • maximum     3.5 Nm       position / of power supply cord     Any       Mechanical Dosign     10 mm       installation depth     70 mm       installation depth     70 mm <td>product component / neutral conductor switching</td> <td>No</td>	product component / neutral conductor switching	No
• kunnel terminals top       No         • combined terminal bottom       Yes         • combined terminal bottom       Yes         product feature       ************************************	product feature / touch protection	Yes
• tunnel terminals bottom         No           • combined terminal top         Yes           • combined terminal bottom         Yes           product feature         Yes           • halogen-free         Yes           • saalable         Yes           • saalable         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         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         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         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         Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in           Short circuit ourrent (Icn / 1 at AC / according to EUL 1077 and CSA C22.2 No.235         Torma           connectable conductor cross-section / finely stranded / with orew-type terminals / maximum         3.5 N	product component	
• combined terminal top     Yes       • combined terminal bottom     Yes       • balogen-free     Yes       • selable     Yes       • selable     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     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     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     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     Torm       connectable conductor corse-section / finely stranded /     In KA       with core end processing     0.75 mm²       • maximum     25 mm²       • maximum     3.5 Nm       position / of power supply cord     Any       Mechanical Design     Monthalt       height     110 mm       width     18 mm       depth     70 mm <tr< td=""><td><ul> <li>tunnel terminals top</li> </ul></td><td>No</td></tr<>	<ul> <li>tunnel terminals top</li> </ul>	No
• combined terminal bottom     Yes       product feature     Yes       • kalogen-free     Yes       • sealable     Yes       • sealable     Yes       • product sension / installable / supplementary devices     Yes       Product function     Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31b.in       Short sincuit     Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31b.in       Short sincuit     Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31b.in       Short sincuit     Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31b.in       Short sincuit     Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31b.in       Short sincuit     Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31b.in       Short sincuit     Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31b.in       Short sincuit     Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31b.in       Short sincuit     Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31b.in       Short sincuit     Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31b.in       Short sincuit     Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31b.in       Short sincuit     Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31b.in       Short sincuit     0.75 mm²       connectable condutor cross-section / finely standed /     Viration for Short sincuit       installation for Short sincuit     10 fm       sightening t	<ul> <li>tunnel terminals bottom</li> </ul>	No
product feature <ul> <li>halogen-free</li> <li>Yes</li> <li>yes</li> <li>silicon-free</li> <li>Yes</li> <li>yes</li> <li>product extension / installable / supplementary devices</li> <li>Yes</li> <li>Product function</li> <li>product function</li> <li>not function</li> <li>product consecution</li> <li>connectable conductor cross-section / finely stranded / with core end processing</li> <li>innimum</li> <li>0.75 mm<sup>3</sup></li> <li>connectable conductor cross-section / finely stranded / with corew-type terminals / maximum</li> <li>25 mm<sup>3</sup></li> <li>lightening 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>height</li> <li>110 mm</li> <li>with</li> <li>and</li> <li>fastening method</li> <li>on standard mounting rail</li> <li>any</li> <li>nakimum</li> <li>cast 25 to 150Hz and 60m/s* at 35Hz (4sec)</li> <li>ambient temperature / during operation</li> <li>minimum</li> <li>cast 25 to 150Hz and 60m/s* at 35Hz (4sec)</li> <li>ambient temperature / during storage</li> <li>minimum</li> <licast 25="" t<="" td=""><td><ul> <li>combined terminal top</li> </ul></td><td>Yes</td></licast></ul>	<ul> <li>combined terminal top</li> </ul>	Yes
• halogen-free     Yes       • sellable     Yes       • product concine     Yes       product concine     Yes       Product function / installable / supplementary devices     Yes       Product function / note     Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31b.in       Short circuit     Intervite       breaking capacity short-circuit current ((cn) / at AC / according to UL 1077 and CSA C22.2 No 235     Io KA       Connectable conductor cross-section / finely stranded / with core end processing     Io KA       • minimum     0.75 mm²       • maximum     25 mm²       ightening torque / with screew-type terminals / maximum     3.5 N·m       position / of power supply cord     Any       Mechanical Design     110 mm       width     18 mm       depth     70 mm       installation depth     70 mm       number of modular width units     1       1     fastening method       • maximum     55 °C       ambient temperature / during operation     55 °C       • innimum     -25 °C       ambient temperature / during storage     -40 °C       • innimum     -25 °C       • according to EN 61346-2     F       • according to EN 61346-2     F	<ul> <li>combined terminal bottom</li> </ul>	Yes
sealable Yes     ilicon-free Yes     product stression / installable / supplementary devices Product function  product function  product function / note Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31b.in Short circuit breaking capacity short-circuit current ((cn) / at AC / according to UL 1077 and CSA C22.2 No.235 Connectible conductor cross-section / finely stranded / with core end processing     iminium         0.75 mm²     imaxinum         25 mm²     imaxinum         25 mm²     imaxinum         according to UL 1077 and CSA C22.2 No.235 Connectible conductor cross-section / finely stranded / with core end processing     iminium         0.75 mm²     imaxinum         25 mm²     imaxinum         25 mm²     imaxinum         25 mm²     imaxinum         25 mm²     imaxinum         core crable conductor cross-section / finely stranded / with core end processing     iminium         0.75 mm²     imaxinum         25 mm²     imaxinum         contertable conductor cross-section / finely stranded / with core end processing     iminium         0.75 mm²     imaxinum         25 mm²     imaxinum         25 mm²     imaxinum         condectable conductor cross-section / finely stranded / with core end processing     imaxinum         25 mm²     imaxinum         condectable conductor cross-section / finely stranded / with core end processing     imaxinum         core cross-section / finely stranded /     with core end processing     imaxinum         core cross-section / finely stranded /     imaxinum         condectable conductor cross-section / finely stranded /     imaxinum         core cross-section / finely strande /     imaxinum         core cross-section / finely	product feature	
sealable Yes     ilicon-free Yes     product stression / installable / supplementary devices Product function  product function  product function / note Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31b.in Short circuit breaking capacity short-circuit current ((cn) / at AC / according to UL 1077 and CSA C22.2 No.235 Connectible conductor cross-section / finely stranded / with core end processing     iminium         0.75 mm²     imaxinum         25 mm²     imaxinum         25 mm²     imaxinum         according to UL 1077 and CSA C22.2 No.235 Connectible conductor cross-section / finely stranded / with core end processing     iminium         0.75 mm²     imaxinum         25 mm²     imaxinum         25 mm²     imaxinum         25 mm²     imaxinum         25 mm²     imaxinum         core crable conductor cross-section / finely stranded / with core end processing     iminium         0.75 mm²     imaxinum         25 mm²     imaxinum         contertable conductor cross-section / finely stranded / with core end processing     iminium         0.75 mm²     imaxinum         25 mm²     imaxinum         25 mm²     imaxinum         condectable conductor cross-section / finely stranded / with core end processing     imaxinum         25 mm²     imaxinum         condectable conductor cross-section / finely stranded / with core end processing     imaxinum         core cross-section / finely stranded /     with core end processing     imaxinum         core cross-section / finely stranded /     imaxinum         condectable conductor cross-section / finely stranded /     imaxinum         core cross-section / finely strande /     imaxinum         core cross-section / finely	halogen-free	Yes
product extension / installable / supplementary devices     Yes       Product function     Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in       Short circuit       breaking capacity short-circuit current ((cn) / at AC / according to UL 1077 and CSA C22 No.235     10 kA       connectable conductor cross-section / finely stranded / with core end processing     0.75 mm²       • innimum     0.75 mm²       • innimum     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     18 mm       depth     70 mm       number of modular width units     1       fastening method     on standard mounting rail       mounting position     any       retyberton resistance     50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)       ambient temperature / during operation     -25 °C       ambient temperature / during storage     -40 °C       • minimum     -40 °C       • maximum     76 °C       Certificates     F       reference code     F       • according to EN 61346-2     F	-	Yes
Product function         Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in           Short circuit         Short circuit           breaking capacity short-circuit current (Icn) / at AC / according to UL 1077 and CSA C22.2 No.235         10 kA           connectible 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         110 mm           height         110 mm           width         18 mm           depth         70 mm           installation depth         70 mm           number of modular width units         1           fastening method         on standard mounting rail           mounting position         any           vibration resistance         50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)           ambient temperature / during operation         -40 °C           • maximum         75 °C           conding to EN 61346-2         F           • according to EN 61346-2         F	silicon-free	Yes
product function / note         Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in           Short circuit         breaking capacity short-circuit current (Icn / / at AC / according to UL 1077 and CSA C22.2 No.235           Connectable conductor cross-section / finely stranded / with core end processing <ul></ul>	product extension / installable / supplementary devices	Yes
product function / note         Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in           Short circuit         breaking capacity short-circuit current (Icn / / at AC / according to UL 1077 and CSA C22.2 No.235           Connectable conductor cross-section / finely stranded / with core end processing <ul></ul>	Product function	
Short circuit       Desking capacity short-circuit current (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         commetable conductor cross-section / finely stranded / with core end processing       0.75 mm²         emaximum       0.75 mm²         infinimum       0.75 mm²         emaximum       25 mm²         itightening torque / with screw-type terminals / maximum       3.5 N m         position / of power supply cord       Any         Mechanical Design       10 mm         height       110 mm         installation depth       70 mm         installation depth       70 mm         number of modular width units       1         fastening method       on standard mounting rall         mounting position       any         net weight       175 g         Environmental conditions       50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)         ambient temperature / during operation       -25 °C         emaximum       -25 °C         ambient temperature / during storage       -00 °C         emaximum       75 °C         Cortificates       reference code         eaccording to EN 61346-2       F		Terminal tightening torque for Cu. 60/75°C: 3.5Nm/31lb.in
breaking capacity short-circuit current (Icn) / at AC / according to UL 1077 and CSA C22.2 No.235       10 kA         connections       connectable conductor cross-secton / finely stranded / with core end processing       0.75 mm²         emaximum       0.75 mm²       0.75 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       18 mm         depth       70 mm         number of modular width units       1         fastening method       on standard mounting rail         mounting position       any         vibration resistance       50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)         ambient temperature / during operation       55 °C         • maximum       -25 °C         ambient temperature / during storage       -40 °C         • minimum       -40 °C         • maximum       75 °C         Certificates       F         reference code       eacording to EN 61346-2         • according to EN 61346-2       F	•	
Connections         connectable conductor cross-section / finely stranded / with core end processing         • minimum       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       10 mm         width       18 mm         depth       70 mm         installation depth       70 mm         number of modular width units       1         fastening method       on standard mounting rail         mounting position       any         vibration resistance       50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)         ambient temperature / during operation       -25 °C         • maximum       55 °C         • maximum       75 °C         Certificates       reference code         • according to EN 61346-2       F         • according to EN 61346-2       F	breaking capacity short-circuit current (Icn) / at AC /	10 kA
connectable conductor cross-section / finely stranded /       0.75 mm²         with core end processing       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       18 mm         depth       70 mm         installation depth       70 mm         number of modular width units       1         fastening method       on standard mounting rail         mounting position       any         net weight       175 g         Environmental conditions       50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)         ambient temperature / during operation       55 °C         e maximum       -25 °C         ambient temperature / during storage       -         e maximum       75 °C         Certificates       76 °C         reference code       eaccording to EN 61346-2         e according to EN 61346-2       F         e according to EN 61346-2       F		
with core end processing       0.75 mm²         • miximum       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       100 mm         height       110 mm         width       18 mm         depth       70 mm         installation depth       70 mm         number of modular width units       1         fastening method       on standard mounting rail         mounting position       any         net weight       175 g         Environmental conditions       50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)         ambient temperature / during operation       -55 °C         • maximum       -55 °C         ambient temperature / during storage       -40 °C         • maximum       -75 °C         Certificates       F         reference code       -according to EN 61346-2         • according to EN 61346-2       F		
• 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       100 mm         width       18 mm         depth       70 mm         installation depth       70 mm         number of modular width units       1         fastening method       on standard mounting rail         mounting position       any         net weight       175 g         Environmental conditions       50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)         ambient temperature / during operation       55 °C         e maximum       -25 °C         ambient temperature / during storage       -40 °C         • maximum       75 °C         certificates       reference code         • according to EN 61346-2       F         • according to EN 61346-2       F         • according to EN 61346-2       F		
• 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       18 mm         depth       70 mm         installation depth       70 mm         number of modular width units       1         fastening method       on standard mounting rail         mounting position       any         net weight       175 g         Environmental conditions       50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)         ambient temperature / during operation       -25 °C         ambient temperature / during storage       -40 °C         • minimum       -25 °C         ambient temperature / during storage       -40 °C         • maximum       75 °C         Certificates       reference code         • according to EN 61346-2       F         • according to EN 81346-2       F         • according to EC 81346-2       F		0.75 mm <sup>2</sup>
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       18 mm         depth       70 mm         installation depth       70 mm         number of modular width units       1         fastening method       on standard mounting rail         mounting position       any         net weight       175 g         Environmental conditions       50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)         ambient temperature / during operation       -25 °C         ambient temperature / during storage       -40 °C         • minimum       -40 °C         • maximum       75 °C         certificates       reference code         • according to EN 61346-2       F         • according to EN 81346-2       F		25 mm <sup>2</sup>
opsition / of power supply cord       Any         Mechanical Design       110 mm         height       110 mm         width       18 mm         depth       70 mm         installation depth       70 mm         number of modular width units       1         fastening method       on standard mounting rail         mounting position       any         net weight       175 g         Environmental conditions       50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)         ambient temperature / during operation       55 °C         • minimum       -25 °C         ambient temperature / during storage       -40 °C         • maximum       75 °C         Cortificates       reference code         • according to EN 61346-2       F         • according to EIC 81346-2       F		
Mechanical Design         height       110 mm         width       18 mm         depth       70 mm         installation depth       70 mm         number of modular width units       1         fastening method       on standard mounting rail         mounting position       any         net weight       175 g         Environmental conditions       50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)         ambient temperature / during operation       55 °C         • maximum       -25 °C         ambient temperature / during storage       -40 °C         • maximum       75 °C         Certificates       F         reference code       according to EN 61346-2         • according to EN 61346-2       F         • according to EC 81346-2       F		
height       110 mm         width       18 mm         depth       70 mm         installation depth       70 mm         number of modular width units       1         fastening method       on standard mounting rail         mounting position       any         net weight       175 g         Environmental conditions       50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)         ambient temperature / during operation       55 °C         e maximum       -25 °C         ambient temperature / during storage       -         e minimum       -40 °C         e maximum       75 °C         Certificates       reference code         e according to EN 61346-2       F         e according to EN 61346-2       F		,
width       18 mm         depth       70 mm         installation depth       70 mm         number of modular width units       1         fastening method       on standard mounting rail         mounting position       any         net weight       175 g         Environmental conditions       50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)         ambient temperature / during operation       55 °C         • maximum       -25 °C         ambient temperature / during storage       -40 °C         • minimum       -40 °C         • maximum       75 °C         Certificates       F         reference code       F         • according to EN 61346-2       F         • according to IEC 81346-2       F		110 mm
depth       70 mm         installation depth       70 mm         number of modular width units       1         fastening method       on standard mounting rail         mounting position       any         net weight       175 g         Environmental conditions       50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)         ambient temperature / during operation       55 °C         • maximum       -25 °C         ambient temperature / during storage       -40 °C         • maximum       75 °C         Certificates       F         reference code       F         • according to EN 61346-2       F         • according to IEC 81346-2       F		
installation depth       70 mm         number of modular width units       1         fastening method       on standard mounting rail         mounting position       any         net weight       175 g         Environmental conditions       vibration resistance         vibration resistance       50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)         ambient temperature / during operation       55 °C         e maximum       -25 °C         ambient temperature / during storage       -40 °C         e maximum       75 °C         Certificates       F         reference code       e according to EN 61346-2         e according to IEC 81346-2       F		
number of modular width units       1         fastening method       on standard mounting rail         mounting position       any         net weight       175 g         Environmental conditions          vibration resistance       50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)         ambient temperature / during operation          • minimum       55 °C         • maximum       -25 °C         ambient temperature / during storage          • minimum       75 °C         Certificates          reference code          • according to EN 61346-2       F         • according to IEC 81346-2       F		
fastening method       on standard mounting rail         mounting position       any         net weight       175 g         Environmental conditions       50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)         ambient temperature / during operation       55 °C         • maximum       -25 °C         ambient temperature / during storage       -40 °C         • maximum       75 °C         Certificates       F         reference code       according to EN 61346-2         • according to IEC 81346-2       F		
mounting position       any         net weight       175 g         Environmental conditions       50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)         wibration resistance       50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)         ambient temperature / during operation       -         • minimum       -25 °C         ambient temperature / during storage       -         • minimum       -25 °C         ambient temperature / during storage       -         • minimum       -40 °C         • maximum       75 °C         Certificates       reference code         • according to EN 61346-2       F         • according to IEC 81346-2       F         • according to IEC 81346-2       F		
net weight       175 g         Environmental conditions       50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)         ambient temperature / during operation       50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)         ambient temperature / during operation       -25 °C         ambient temperature / during storage       -25 °C         ambient temperature / during storage       -40 °C         e maximum       -40 °C         e maximum       75 °C         Certificates       F         reference code       F         e according to EN 61346-2       F         e according to IEC 81346-2       F		
Environmental conditions         vibration resistance       50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)         ambient temperature / during operation       55 °C         • maximum       -25 °C         ambient temperature / during storage       -25 °C         • minimum       -40 °C         • maximum       75 °C         Certificates         reference code       F         • according to EN 61346-2       F         • according to IEC 81346-2       F		
vibration resistance       50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)         ambient temperature / during operation       55 °C         • maximum       -25 °C         ambient temperature / during storage       -25 °C         • minimum       -40 °C         • maximum       75 °C         Certificates       -40 °C         reference code       -40 °C         • according to EN 61346-2       F         • according to IEC 81346-2       F		
ambient temperature / during operation       55 °C         • minimum       55 °C         • maximum       -25 °C         ambient temperature / during storage       -40 °C         • minimum       -40 °C         • maximum       75 °C         Certificates         reference code       F         • according to EN 61346-2       F         • according to IEC 81346-2       F		$50 \text{ m/s}^2$ at 25 to 150Hz and $60 \text{ m/s}^2$ at 25Hz (4aaa)
<ul> <li>minimum</li> <li>maximum</li> <li>-25 °C</li> <li>ambient temperature / during storage</li> <li>minimum</li> <li>-40 °C</li> <li>maximum</li> <li>75 °C</li> <li>Certificates</li> <li>reference code</li> <li>according to EN 61346-2</li> <li>e according to IEC 81346-2</li> <li>F</li> </ul>		50 H//5 at 25 to 150H2 and 00H//5 at 55H2 (4Sec)
• maximum-25 °Cambient temperature / during storage• minimum-40 °C• maximum75 °CCertificatesreference code• according to EN 61346-2• according to IEC 81346-2F		55 °C
ambient temperature / during storage     -40 °C       • minimum     -40 °C       • maximum     75 °C       Certificates       reference code       • according to EN 61346-2       • according to IEC 81346-2       F		
<ul> <li>minimum -40 °C</li> <li>maximum 75 °C</li> <li>Certificates</li> <li>reference code</li> <li>according to EN 61346-2</li> <li>according to IEC 81346-2</li> <li>F</li> </ul>		-20 0
• maximum75 °CCertificatesreference code• according to EN 61346-2F• according to IEC 81346-2F		40 °C
Certificates         reference code         • according to EN 61346-2         • according to IEC 81346-2         F		
reference code     F       • according to EN 61346-2     F       • according to IEC 81346-2     F		
according to EN 61346-2     F     according to IEC 81346-2     F		
according to IEC 81346-2     F		-
	-	
General Product Approval Declaration of Conformity	-	
	General Product Approval	Declaration of Conformity









## **Test Certificates**

**Miscellaneous** 

Special Test Certific- Miscellaneous ate

other

#### Further information

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=5SJ4140-8HG41
Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/5SJ4140-8HG41
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams,) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4140-8HG41
CAx-Online-Generator
http://www.siemens.com/cax
Tender specifications
http://www.siemens.com/specifications

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