## SIEMENS

## Data sheet

## 5SY4113-6-Z W07



Miniature circuit breaker 230/400 V 10kA, 1-pole, B, 13 A, D=70 mm Multi-Unit Packaging (96 Stück)

Model					
product brand name	SENTRON				
product designation	Miniature circuit breaker				
General technical data					
number of poles	1				
design of pole	1P				
tripping characteristic class	В				
mechanical service life (operating cycles) typical	10 000				
overvoltage category	III				
degree of pollution	3				
Voltage					
type of voltage of the operating voltage	AC				
insulation voltage (Ui)					
<ul> <li>with single-phase operation at AC rated value</li> </ul>	440 V				
<ul> <li>with multi-phase operation at AC rated value</li> </ul>	440 V				
supply voltage with single-phase operation at AC rated value	230 V				
operational current					
• at 40 °C rated value	12.38 A				
• at 50 °C rated value	11.73 A				
• at 55 °C rated value	11.38 A				
• at 60 °C rated value	11.02 A				
<ul> <li>at AC rated value</li> </ul>	13 A				
Supply voltage					
supply voltage					
• at AC	400 V				
at DC rated value	60 V				
value range of the supply voltage frequency	50/60 Hz				
operating voltage at DC rated value maximum	72 V				
Protection class					
protection class IP	IP20, with connected conductors				
Breaking Capacity					
switching capacity current					
<ul> <li>at DC according to IEC 60947-2 rated value</li> </ul>	15 kA				
<ul> <li>according to EN 60898 rated value</li> </ul>	10 kA				
<ul> <li>according to IEC 60947-2 rated value</li> </ul>	20 kA				
energy limitation class	3				
Dissipation					
power loss [W] for rated value of the current at AC in hot operating state per pole	1.7 W				

product densits         Yes           product orgonent         Yes           • combined terminal top         No           product fashine         No           • product fashine         Yes           • balogen-free         Yes           • seatable         Yes           • seatable         Yes           product fashine         Yes           section         0.75 mm²           • minimum         0.75 mm²           • minimum         18	suitability for operation	Infrastructure / Industry		
product feature touch protection         Yes           product component         Yes           - combined terminal lop         Yes           - conduct terminal top         Yes           - enderfactorization         No           product testure         Yes           - product feature         Yes           - product feature         Yes           - product feature         Yes           - stabilizer         Yes				
product component     Yes       • combined terminal locim     Yes       • combined terminal locim     Yes       • combined terminal locim     Yes       • product feature     Yes       • properties for main switches in accordance with EN     Yes       • sociable     Yes       Product features     Yes       • product function     4       • sociable     Yes       Product function     4       • sociable     Compression installable supplementary devices       Product function     4       • at AC according to UL 1077 and CSA C322 No 235     5 kA       Connectable conductor cross-section solid     0.75 mm²       • minimum     0.75 mm²       • minimum     55 mm²       • minimum     25 mm²       • minimum     25 mm²       • minimum     25 mm²       • minimum     25 mm²       • minimum     35 mm²       • minimum     25 m²       • minimum     35 m²       • minimum     25 m²       • minimum     35 m²       • minimum     35 m²		Yes		
	· · · · · · · · · · · · · · · · · · ·			
• combined terminal bottom     Yes       • product teature     No       • properties for main switching     Yes       • balogen-free     Yes       • sealable     Yes       • sealable     Yes       • sealable     Yes       • product extension installable supplementary devices     Yes       • product extension installable supplementary devices     Yes       • product extension installable supplementary devices     Yes       • reference values setting current (II) for 1-tripping     x in       Short-circuit current breaking capacity (Icn)     s in       • at AC according to UL 1077 and CSA C22.2 No.235     5 KA       • ornininum     0.75 mm <sup>4</sup> • mininum     35 mm <sup>4</sup> • connectable conductor cross-section solid     • Triminum       • mininum     0.75 mm <sup>4</sup> • maxinum     35 mm <sup>2</sup> • mininum     0.75 mm <sup>4</sup> • mininum     0.75 mm <sup>4</sup> • mininum     25 mm <sup>2</sup> • Mininum     25 mm <sup>2</sup> • mininum     25 mm <sup>2</sup> • mininum     3.10 frin       • mininum     25 Nm		Yes		
- neutral conductor switching         No           product feature         Yes           - properties for main switches in accordance with EN         Yes           - staggen-free         Yes           - subject textmision installels supplementary devices         Yes           product extension installels supplementary devices         Yes           Product function         at Ad accordance Sult           Stort direct         stint           stort direct         stint           stort direct         stint           entering         stint           connectable conductor cross-section solid         0.75 mm²           - maximum         0.75 mm²           - maximum         35 mm²           connectable conductor cross-section finely stranded with         0.75 mm²           - maximum         25 hm				
product feature     Yes       • properties for main switches in accordance with EN     Yes       • balagen-free     Yes       • sealable     Yes       • sealable     Yes       • stallop-free     Yes       • product charlow installable supplementary devices     Yes       Product function     4       • reference values setting current (ii) for I-tripping     Xin       Short circuit current breaking capacity (icn)     a in AC according to UL 1077 and CSA C22 2 No 235     5 KA       Connectable conductor cross-section solid     • minimum     0.75 mm²       • minimum     0.75 mm²     • minimum       • minimum     18     • minimum       • minimum     18     • minimum       • minimum     2.5 Nm     • minimum       • minimum     3.5 Nm     • minimum       • minimum     5.5 Nm     • minimum </td <td></td> <td colspan="3"></td>				
• properties for main switches in accordance with EN • addopen free • sealable • sealable • sealable • sealable • sealable • sealable • sealable • sealable • sealable • reference ves Product tautions set values setting current (ii) for I-tripping ves set values setting current (ii) for I-tripping ves sealable ves	· · · · · · · · · · · · · · · · · · ·			
	<ul> <li>properties for main switches in accordance with EN</li> </ul>	Yes		
• silcon-free         Yes           product extension installable supplementary devices         Yes           Product extension installable supplementary devices         Yes           set values setting current (II) for I-tripping         A           reference value setting current (II) for I-tripping         x in           Short circuit	halogen-free	Yes		
product extension installable supplementary devices         Yes           Product function         ************************************	• sealable			
Product function         set values setting current (ii) for I-tripping       4         reference value setting current (ii) for I-tripping       x in         short-circuit current breaking capacity (cn)       eit AC according to UL 1077 and CSA C22.2 No 235         connectable conductor cross-section solid       0.75 mm²         e maximum       0.75 mm²         connectable conductor cross-section stranded       0.75 mm²         e minimum       0.75 mm²         e maximum       35 mm²         connectable conductor cross-section finely stranded with       0.75 mm²         connectable conductor cross-section finely stranded with       0.75 mm²         e maximum       25 mm²         AWG number as coded connectable conductor cross       section         e minimum       18         e maximum       4         tightoning torque [lbf·in] with screw-type terminals       ib/in         e minimum       2.5 Nm         e maximum       3.1 b/in         tightaning torque uith screw-type terminals       90 mm         e minimum       2.5 Nm         e maximum       3.5 Nm         position of power supply cord       Any         Mechanical Design       90 mm         width       18 mm <t< td=""><td>silicon-free</td><td>Yes</td></t<>	silicon-free	Yes		
set values setting current (ii) for I-tripping         4           reference value setting current (iii) for I-tripping         x in           short circuit         *           short circuit         *           connectable         *           connectable         0.75 mm²           connectable         0.75 mm²           emainum         0.75 mm²           connectable         0.75 mm²           emainum         0.75 mm²           connectable conductor cross-section stranded         •           • minimum         0.75 mm²           • maximum         25 mm²           connectable conductor cross-section finely stranded with core end processing         •           emainum         0.75 mm²           • minimum         0.75 mm²           • maximum         25 mm²           AWG number as coded connectable conductor cross section         •           e maximum         18           • maximum         19 bein           tightening torque jith inj with screw-type terminals         •           • minimum         2.5 Nm           • minimum         3.5 Nm           position of poser supply cord         Any           Mechanical Design         Mechanical Design <t< td=""><td>product extension installable supplementary devices</td><td>Yes</td></t<>	product extension installable supplementary devices	Yes		
reference value setting current (ii) for 1-tripping       x In         Short-circuit current value setting capacity (icn)       • at AC according to UL 1077 and CSA C22.2 No.235       5 kA         Connectable conductor cross-section solid       • minimum       0.75 mm²         • maximum       0.75 mm²         • minimum       0.75 mm²         • ininimum       0.75 mm²         • ininimum       0.75 mm²         • ininimum       0.75 mm²         • ininimum       18         • ininimum       18         • ininimum       21 bfin         • ininimum       2.5 N m         • ininimum       3.5 N m         position of power supply cord       Any         Mechanical Design       10 fm         installation depth       70 mm         installation depth       70 mm         number of modular width units       1         fastening me	Product function			
Short circuit         short-circuit current breaking capacity (ten)         • et AC according to UL 1077 and CSA C22 2 No 235         SkA         Connectable conductor cross-section solid         • minimum         • maximum         20 concectable conductor cross-section stranded         • ninimum         • maximum         20 concectable conductor cross-section finely stranded with         concectable conductor cross-section finely stranded with         core and processing         • ninimum         • ninimum         • maximum         20 Smm²         AWG number as coded connectable conductor cross         section         • inimum         • ininimum         18         • maximum         4         tightening torque [bf-in] with screw-type terminals         • ininimum         • ininimum         • naximum         31 bf-in         tightening torque with screw-type terminals         • ininimum         • naximum         35 Nm         position of power supply cord         Any         Mechanical Dosign         height       90 mm         ins	set values setting current (li) for I-tripping	4		
short-circuit current breaking capacity (ten) <ul> <li>at AC according to UL 1077 and CSA C22 2 No 235</li> <li>5 KA</li> </ul> connectable conductor cross-section solid <ul> <li>innimum</li> <li>0.75 mm<sup>2</sup></li> <li>connectable conductor cross-section stranded</li> <li>innimum</li> <li>0.75 mm<sup>2</sup></li> <li>connectable conductor cross-section stranded</li> <li>innimum</li> <li>0.75 mm<sup>2</sup></li> <li>connectable conductor cross-section finely stranded with core end processing</li> <li>innimum</li> <li>0.75 mm<sup>2</sup></li> <li>connectable conductor cross-section finely stranded with core end processing</li> <li>innimum</li> <li>innimum</li> <li>innimum</li> <li>0.75 mm<sup>2</sup></li> <li>section</li> <li>innimum</li> <li>0.75 mm<sup>2</sup></li> <li>connectable conductor cross section finely stranded with core section conductor cross section</li> <li>innimum</li> <li>25 mm<sup>2</sup></li> </ul> <li>winimum</li> <li>18</li> <li>maximum</li> <li>22 lbf in</li> <li>sinimum</li> <li>16 sin</li> <li>tif sin</li> <l< td=""><td>reference value setting current (li) for I-tripping</td><td>x In</td></l<>	reference value setting current (li) for I-tripping	x In		
et AC according to UL 1077 and CSA C22.2 No.235     5 kA  Connectable conductor cross-section solid     entinimum     anaximum     35 mm²  connectable conductor cross-section stranded     entinimum     o.75 mm²     anaximum     35 mm²  connectable conductor cross-section finely stranded with     core end processing     entinimum     0.75 mm²     maximum     25 mm²  AWG number as coded connectable conductor cross section     entinimum     18     enaximum     18     enaximum     18     enaximum     11     enaximum     11     enaximum     12 bFin     enatinum     at befin     enatinum     at bFin     at bFin     for bm     at bFin     enatinum     at bFin     at bFin     at bFin     at	Short circuit			
et AC according to UL 1077 and CSA C22.2 No.235     5 kA  Connectable conductor cross-section solid     entinimum     anaximum     35 mm²  connectable conductor cross-section stranded     entinimum     o.75 mm²     anaximum     35 mm²  connectable conductor cross-section finely stranded with     core end processing     entinimum     0.75 mm²     maximum     25 mm²  AWG number as coded connectable conductor cross section     entinimum     18     enaximum     18     enaximum     18     enaximum     11     enaximum     11     enaximum     12 bFin     enatinum     at befin     enatinum     at bFin     at bFin     for bm     at bFin     enatinum     at bFin     at bFin     at bFin     at	short-circuit current breaking capacity (lcn)			
Connectable conductor cross-section solid       0.75 mm²         • maximum       0.75 mm²         • minimum       0.75 mm²         • minimum       0.75 mm²         • minimum       0.75 mm²         • maximum       25 mm²         AWG number as coded connectable conductor cross section       eninimum         • minimum       18         • maximum       4         tightening torque [lbf-in] with screw-type terminals       eninimum         • maximum       31 bf in         tightening torque with screw-type terminals       eninimum         • maximum       2.5 N m         • maximum       3.5 N m         poslion of power supply cord       Any         Mechanical Design       90 mm         hoight       90 mm         width       18 mm         depth       70 mm         number of modular width units       1         fastening method       <		5 kA		
connectable conductor cross-section solid       0.75 mm²         • maximum       35 mm²         connectable conductor cross-section stranded       0.75 mm²         • minimum       0.75 mm²         • connectable conductor cross-section finely stranded with       0.75 mm²         end conductor cross-section       18         end conductor cross-section       18         end conductor cross-section       22 lbfin         end conductor cross-section       18         end conductor cross-section       22 lbfin         end conductor cross-section       31 bFin         tightening torque with screw-type terminals       end conductor cross-section         end conductor cross-section       3.5 Nm         position for poer supply cord       Any         Mechanical Design       90 mm         Midth       18 mm				
• maximum       35 mm³         connectable conductor cross-section stranded      75 mm³         • maximum       35 mm³         connectable conductor cross-section finely stranded with core end processing				
• maximum35 mm²connectable conductor cross-section stranded.75 mm²• maximum35 mm²connectable conductor cross-section finely stranded with core end processing.75 mm²• minimum0.75 mm²• minimum25 mm²• maximum25 mm²• Maximum18• maximum4• minimum18• minimum31 lbf in• minimum22 lbf in• minimum31 lbf in• minimum35 Nm• minimum2.5 Nm• minimum3.5 Nm• maximum3.5 Nmposition of power supply cordAnyMechanical Design16 mmwidth18 mmdepth90 mmminidinud2.5 Nm• maximum3.5 Nmposition of power supply cordAnyMechanical Design1mumet of modular width units1fastening methodQuick assembly systemmounting positionanymet weight161 gEnvironmental conditions1fastening methodIEC / EN 60988-1, IEC / EN 60947-2 / UL1077vibration resistance according to IEC 60088-2.6at mm at 5 to 25Hz, 50m/s <sup>2</sup> at 25 to 150Hz• minimum-40 °C		0.75 mm <sup>2</sup>		
connectable conductor cross-section stranded       0.75 mm²         • maximum       35 mm²         connectable conductor cross-section finely stranded with core end processing       0.75 mm²         • maximum       25 mm²         AWG number as coded connectable conductor cross section       • minimum         • maximum       18         • maximum       4         tightening torque [tbf-in] with screw-type terminals       • minimum         • maximum       2.5 Nm         • maximum       31 lbf in         tightening torque with screw-type terminals       • maximum         • maximum       3.5 N m         position of power supply cord       Any         Mechanical Design       90 mm         width       18 mm         depth       76 mm         Installation depth       70 mm         number of modular width units       1         fastening method       Quick assembly system         mounting position       any         restanderd       IEC / EN 60898-1, IEC / EN 60947-2 / UL1077         vibration resistance according to IEC 60068-2-6       ±1mm at 50 25Hz; 50m/s² at 25 to 150Hz         ambient temperature during operation       -40 °C				
• maximum35 mm²connectable conductor cross-section finely stranded with core end processing	connectable conductor cross-section stranded			
• maximum35 mm²connectable conductor cross-section finely stranded with core end processing		0.75 mm²		
core end processing		35 mm <sup>2</sup>		
• maximum25 mm²AWG number as coded connectable conductor cross section-• minimum18• maximum4tightening torque [lbf·in] with screw-type terminals-• minimum21 lbf·in• maximum21 lbf·in• maximum22 lbf·in• maximum31 lbf·intightening torque with screw-type terminals-• minimum2.5 N·m• minimum3.5 N·mposition of power supply cordAnyMechanical Design90 mmwidth18 mmdepth76 mminstallation depth1number of modular width units1fastening methodQuick assembly systemmounting positionanynet weight161 gErvironmental conditions±1cm at 5 to 25Hz; 50m/s² at 25 to 150Hz• minimum-40 °C				
AWG number as coded connectable conductor cross section <ul> <li>minimum</li> <li>maximum</li> <li>tightening torque [lbf-in] with screw-type terminals</li> <li>minimum</li> <li>maximum</li> <li>22 lbf in</li> <li>maximum</li> <li>31 lbf in</li> </ul> tightening torque with screw-type terminals           • minimum         22 lbf in           • maximum         31 lbf in           tightening torque with screw-type terminals             • minimum         2.5 N m           • maximum         3.5 N-m           position of power supply cord         Any                      height         90 mm                   width         18 mm                     Installation depth         70 mm              mume of modular width units              1             fastening method              Quick assembly system               mounting position             any             net weight              161 g             Ervironmental conditions             stan	• minimum	0.75 mm²		
section       18         • maximum       4         tightening torque [lbf·in] with screw-type terminals       22 lbf·in         • minimum       22 lbf·in         • maximum       31 lbf·in         tightening torque with screw-type terminals       -         • minimum       2.5 N·m         • minimum       3.5 N·m         • position of power supply cord       Any         Mechanical Design       -         height       90 mm         width       18 mm         depth       76 mm         installation depth       70 mm         number of modular width units       1         fastening method       Quick assembly system         mounting position       any         net weight       161 g         Ervironmental conditions       ±1mm at 5 to 25Hz; 50m/s <sup>2</sup> at 25 to 150Hz         ambient temperature during operation       -40 °C	• maximum	25 mm <sup>2</sup>		
• minimum18• maximum4tightening torque [lbf·in] with screw-type terminals• minimum22 lbf·in• maximum31 lbf·initightening torque with screw-type terminals-• minimum2.5 N·m• minimum3.5 N·mposition of power supply cordAnyMachanical Design• hight90 mmwidth18 mmdepth76 mminstallation depth70 mmnumber of modular width units1fastening methodQuick assembly systemmounting positionanyter weight161 gEnvironmental conditionsIEC / EN 60898-1, IEC / EN 60947-2 / UL1077wibatin resistance according to IEC 60068-2-641mm at 5 to 25Hz; 50m/s² at 25 to 150Hzambient temperature during operation-40 °C				
• maximum       4         tightening torque [lbf·in] with screw-type terminals       -         • minimum       22 lbf·in         • maximum       31 lbf·in         tightening torque with screw-type terminals       -         • minimum       2.5 N·m         • maximum       3.5 N·m         position of power supply cord       Any         Machanical Design       -         width       18 mm         depth       76 mm         installation depth       70 mm         number of modular width units       1         fastening method       Quick assembly system         mounting position       any         net weight       161 g         Environmental conditions       ±1mm at 5 to 25Hz; 50m/s <sup>a</sup> at 25 to 150Hz         ambient temperature during operation       -         • minimum       -40 °C		40		
tightening torque [lbf-in] with screw-type terminals       22 lbf-in         • maximum       31 lbf-in         tightening torque with screw-type terminals       31 lbf-in         • minimum       2.5 N-m         • maximum       3.5 N-m         position of power supply cord       Any         Mechanical Design       90 mm         width       18 mm         depth       76 mm         installation depth       70 mm         number of modular width units       1         fastening method       Quick assembly system         mounting position       any         net weight       161 g         Environmental conditions       1         standard       IEC / EN 6088-1, IEC / EN 60947-2 / UL1077         vibration resistance according to IEC 60068-2-6       ±1mm at 5 to 25Hz; 50m/s² at 25 to 150Hz         ambient temperature during operation       -40 °C				
<ul> <li>minimum</li> <li>22 lbf-in</li> <li>maximum</li> <li>31 lbf-in</li> <li>tightening torque with screw-type terminals</li> <li>minimum</li> <li>2.5 N·m</li> <li>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>90 mm</li> <li>width</li> <li>18 mm</li> <li>depth</li> <li>76 mm</li> <li>installation depth</li> <li>70 mm</li> <li>number of modular width units</li> <li>1</li> <li>fastening method</li> <li>quick assembly system</li> <li>mounting position</li> <li>any</li> <li>net weight</li> <li>161 g</li> <li>Environmental conditions</li> <li>standard</li> <li>IEC / EN 60898-1, IEC / EN 60947-2 / UL1077</li> <li>vibration resistance according to IEC 60068-2-6</li> <li>±1mm at 5 to 25Hz; 50m/s<sup>2</sup> at 25 to 150Hz</li> <li>ambient temperature during operation</li> <li>minimum</li> <li>-40 °C</li> </ul>		4		
• maximum31 lbf-intightening torque with screw-type terminals				
tightening torque with screw-type terminals       2.5 N·m         • minimum       3.5 N·m         position of power supply cord       Any         Mechanical Design       90 mm         width       18 mm         depth       76 mm         installation depth       70 mm         number of modular width units       1         fastening method       Quick assembly system         mounting position       any         net weight       161 g         Environmental conditions       ±1mm at 5 to 25Hz; 50m/s² at 25 to 150Hz         ambient temperature during operation       -40 °C				
• minimum       2.5 N·m         • maximum       3.5 N·m         position of power supply cord       Any         Mechanical Design       90 mm         width       18 mm         depth       76 mm         installation depth       70 mm         number of modular width units       1         fastening method       Quick assembly system         mounting position       any         net weight       161 g         Environmental conditions       ±1mm at 5 to 25Hz; 50m/s² at 25 to 150Hz         ambient temperature during operation       -40 °C		31 101-111		
• maximum3.5 N·mposition of power supply cordAnyMechanical Design90 mmwidth18 mmdepth76 mminstallation depth70 mmnumber of modular width units1fastening methodQuick assembly systemmounting positionanynet weight161 gEnvironmental conditionsstandardIEC / EN 60898-1, IEC / EN 60947-2 / UL1077vibration resistance according to IEC 60068-2-6±1mm at 5 to 25Hz; 50m/s² at 25 to 150Hzambient temperature during operation • minimum-40 °C		2.5.N m		
position of power supply cord       Any         Mechanical Design       90 mm         height       90 mm         width       18 mm         depth       76 mm         installation depth       70 mm         number of modular width units       1         fastening method       Quick assembly system         mounting position       any         net weight       161 g         Environmental conditions       ±IC / EN 60898-1, IEC / EN 60947-2 / UL1077         vibration resistance according to IEC 60068-2-6       ±1mm at 5 to 25Hz; 50m/s <sup>2</sup> at 25 to 150Hz         ambient temperature during operation       -40 °C				
Mechanical Design       90 mm         height       90 mm         width       18 mm         depth       76 mm         installation depth       70 mm         number of modular width units       1         fastening method       Quick assembly system         mounting position       any         net weight       161 g         Environmental conditions       IEC / EN 60898-1, IEC / EN 60947-2 / UL1077         vibration resistance according to IEC 60068-2-6       ±1mm at 5 to 25Hz; 50m/s² at 25 to 150Hz         ambient temperature during operation       -40 °C				
height       90 mm         width       18 mm         depth       76 mm         installation depth       70 mm         number of modular width units       1         fastening method       Quick assembly system         mounting position       any         net weight       161 g         Environmental conditions       IEC / EN 60898-1, IEC / EN 60947-2 / UL1077         vibration resistance according to IEC 60068-2-6       ±1mm at 5 to 25Hz; 50m/s² at 25 to 150Hz         ambient temperature during operation       -40 °C		Ally		
width       18 mm         depth       76 mm         installation depth       70 mm         number of modular width units       1         fastening method       Quick assembly system         mounting position       any         net weight       161 g         Environmental conditions       IEC / EN 60898-1, IEC / EN 60947-2 / UL1077         vibration resistance according to IEC 60068-2-6       ±1mm at 5 to 25Hz; 50m/s² at 25 to 150Hz         ambient temperature during operation       -40 °C		00 mm		
depth76 mminstallation depth70 mmnumber of modular width units1fastening methodQuick assembly systemmounting positionanynet weight161 gEnvironmental conditionsstandardIEC / EN 60898-1, IEC / EN 60947-2 / UL1077vibration resistance according to IEC 60068-2-6±1mm at 5 to 25Hz; 50m/s² at 25 to 150Hzambient temperature during operation-40 °C	•			
installation depth       70 mm         number of modular width units       1         fastening method       Quick assembly system         mounting position       any         net weight       161 g         Environmental conditions       standard         standard       IEC / EN 60898-1, IEC / EN 60947-2 / UL1077         vibration resistance according to IEC 60068-2-6       ±1mm at 5 to 25Hz; 50m/s² at 25 to 150Hz         ambient temperature during operation       -40 °C				
number of modular width units       1         fastening method       Quick assembly system         mounting position       any         net weight       161 g         Environmental conditions       IEC / EN 60898-1, IEC / EN 60947-2 / UL1077         vibration resistance according to IEC 60068-2-6       ±1mm at 5 to 25Hz; 50m/s² at 25 to 150Hz         ambient temperature during operation       -40 °C	•			
fastening method       Quick assembly system         mounting position       any         net weight       161 g         Environmental conditions       Environmental conditions         standard       IEC / EN 60898-1, IEC / EN 60947-2 / UL1077         vibration resistance according to IEC 60068-2-6       ±1mm at 5 to 25Hz; 50m/s² at 25 to 150Hz         ambient temperature during operation <ul> <li>minimum</li> <li>-40 °C</li> </ul>	·			
mounting positionanynet weight161 gEnvironmental conditionsIEC / EN 60898-1, IEC / EN 60947-2 / UL1077standardIEC / EN 60898-1, IEC / EN 60947-2 / UL1077vibration resistance according to IEC 60068-2-6±1mm at 5 to 25Hz; 50m/s² at 25 to 150Hzambient temperature during operation • minimum-40 °C				
net weight       161 g         Environmental conditions         standard       IEC / EN 60898-1, IEC / EN 60947-2 / UL1077         vibration resistance according to IEC 60068-2-6       ±1mm at 5 to 25Hz; 50m/s² at 25 to 150Hz         ambient temperature during operation <ul> <li>minimum</li> <li>-40 °C</li> </ul>				
Environmental conditions         standard       IEC / EN 60898-1, IEC / EN 60947-2 / UL1077         vibration resistance according to IEC 60068-2-6       ±1mm at 5 to 25Hz; 50m/s² at 25 to 150Hz         ambient temperature during operation <ul> <li>minimum</li> <li>-40 °C</li> </ul>				
standard     IEC / EN 60898-1, IEC / EN 60947-2 / UL1077       vibration resistance according to IEC 60068-2-6     ±1mm at 5 to 25Hz; 50m/s² at 25 to 150Hz       ambient temperature during operation <ul> <li>minimum</li> <li>-40 °C</li> </ul>	-			
vibration resistance according to IEC 60068-2-6       ±1mm at 5 to 25Hz; 50m/s² at 25 to 150Hz         ambient temperature during operation <ul> <li>minimum</li> <li>-40 °C</li> </ul>		IEC / EN 60898-1 IEC / EN 60947-2 / LII 1077		
ambient temperature during operation       • minimum       -40 °C				
• minimum -40 °C				
		-40 °C		
ambient temperature during storage				
minimum     -40 °C		-40 °C		
• maximum 75 °C				
number of test cycles for environmental testing according 6				
to IEC 60068-2-30				

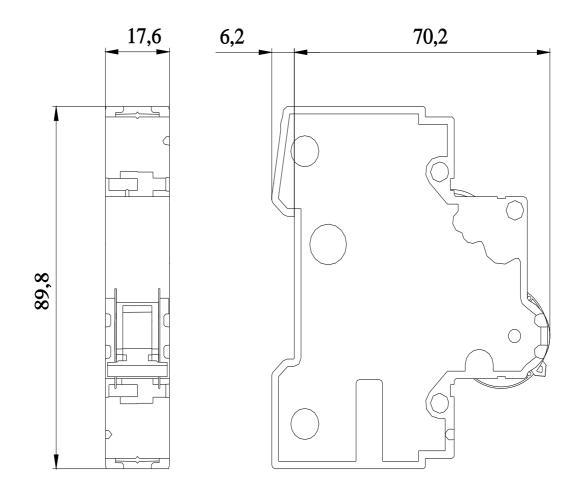
Environmental footprint					
Environmental Product Declaration(EPD)		Yes			
global warming potential [CO2 eq] total		13.3 kg			
global warming potential [CO2 eq] during manufacturing		0.713 kg			
global warming potential [CO2 eq] during operation		12.7 kg			
global warming potential [CO2 eq] after	er end of life	-0.062 kg			
Approvals Certificates					
General Product Approval		other		Railway	
Confirmation Miscellar	neous ERC	<u>Miscellaneous</u>	<u>Confirmation</u>	<u>Confirmation</u>	
Environment					
Environmental Con- firmations	Environmental firmations				
Further information					

Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875 Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/lowvoltage/catalogs Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SY4113-6-Z W07 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SY4113-6-Z W07 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SY4113-6-Z W07

CAx-Online-Generator http://www.siemens.com/cax

**Tender specifications** 

http://www.siemens.com/specifications



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