## SIEMENS

## Data sheet

## 5SD7412-1



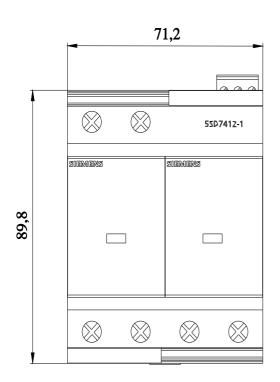
Lightning arresters, type 1 Requirement class B, UC 350V Pluggable protective modules 2-pole, 1+1 circuit for TN-S and TT systems with remote display

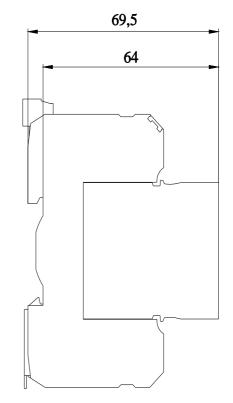
General data	
standard	IEC 61643-11: 2011, EN 61643-11: 2012
product designation	Surge protection device
SPD classification according to EN 61643-11	
• Test Class I, Type 1	Yes
Test Class II, Type 2	No
• Test Class III, Type 3	No
number of SPD ports	1
design of the product	Lightning arresters
design of pole	1+N/PE
designation of the protective paths	L-N, L-PE, N-PE
accessories	1 x 5SD7418-1 + 1 x 5SD7418-0
fastening method	DIN rail NS 35
material of the enclosure	PBT
size of surge arrester	4 TE
degree of pollution	2
overvoltage category according to IEC 61010-1	III
protection class IP at connection all terminals	IP20
shock acceleration	25 gn
vibrational acceleration at 5 Hz 500 Hz limited to 2,5 h per axis	5 gn
relative humidity during operation	5 95 %
installation altitude at height above sea level maximum	2 000 m
width	71.2 mm
height	94.8 mm
depth	71.2 mm
net weight	730 g
Electrical data	
type of distribution system	TT, TN-S
operating voltage	
• at AC	230 V
value range of the operating frequency	50 / 60 Hz
continuous operating voltage	
• at AC maximum	350 V
<ul> <li>between N and PE at AC maximum</li> </ul>	350 V
<ul> <li>between L and (PE)N at AC maximum</li> </ul>	350 V
discharge current	
<ul> <li>between L and (PE)N at (8/20) μs</li> </ul>	25 kA
<ul> <li>between L and N at (8/20) μs</li> </ul>	50 kA
<ul> <li>between L and PE at (8/20) μs</li> </ul>	50 kA

<ul> <li>between L and PE at (8/20) μs</li> </ul>	25 kA
<ul> <li>between N and PE at (8/20) μs</li> </ul>	100 kA
total lightning impulse current at (10/350) µs	50 kA
lightning current peak value at (10/350) µs	
Ightning current peak value between L and PE	25 kA
<ul> <li>lightning current peak value between N and PE</li> </ul>	100 kA
<ul> <li>lightning current peak value between L and N</li> </ul>	25 kA
charge of the flash at (10/350) µs	
charge of the flash between L and N	12.5 A·s
<ul> <li>charge of the flash between L and PE</li> </ul>	12.5 A·s
<ul> <li>charge of the flash between N and PE</li> </ul>	50 A·s
specific energy of the flash at (10/350) µs	
• between L and N	160 kJ/?
between L and PE	160 kJ/?
between N and PE	2 500 kJ/?
follow current extinguishing capability	
between N and PE	100 A
between L and N	50 kA
short-circuit rating (SCCR) at 264 V	50 kA
protection level	
between L and N maximum	1.5 kV
between L and PE maximum	2.5 kV
between N and L	1.5 kV
between N and PE maximum	1.5 kV
between PE and N and/or L	1.5 kV
residual voltage	
between L and (PE)N	
- at rated value of discharge current maximum	1.5 kV
between L and PE	
at rated value of discharge current maximum	2.5 kV
between N and PE	2.0 KV
— at rated value of discharge current maximum	1.5 kV
response value of the surge voltage at 6 kV at (1.2/50) µs	
• between L and N	1.5 kV
• between L and PE	2.5 kV
• between N and PE	1.5 kV
<ul> <li>response time between L and (PE)N</li> </ul>	100 ns
response time between N and PE	100 ns
adjustable response factor of tripping current	1.6
fuse protection type at V-shaped connection	125 A AC (gG)
fuse protection type for T-connector	315 A AC (gG)
Connections/ Terminals	
type of electrical connection	Screw terminal
stripped length	18 mm
tightening torque	4.5 4.5 N·m
connectable conductor cross-section	
for finely stranded conductor	2.5 25 mm²
for rigid conductor	2.5 35 mm <sup>2</sup>
finely stranded	2.5 25 mm <sup>2</sup>
AWG number as coded connectable conductor cross section	13 2
design of the thread of the connection screw	M5
signal design	Optical, remote signaling contact
Indicator/remote signaling	
product component remote signaling contact	Yes
switching function of the remote signaling contacts	PDT contact
operating voltage of the remote signaling contacts at AC	12 250 V
operational current of the remote signaling contacts at AC	10 mA 1 A
connection type of remote signaling contact	M2
connectable conductor cross-section for remote signaling	0.14 1.5 mm <sup>2</sup>
contacts for rigid conductor	

AWG number as coded connectable conductor cross section for emedia signaling contacts       0.25 N m         stripped langth of the cable for mode signaling contacts       0.25 N m         MVRAUL_Observed       7 mm         Pype of surge protective device (SPD) according to UL       46A         Pype of distribution system       15         Pype of distribution system       17. TN-S         designation of the protective paths according to UL       145 V AC (5 s / withstand mode) / 457 V AC (120 min / safe failure mode)         • at TOV test voltage (L-N)       415 V AC (6 s / withstand mode) / 457 V AC (120 min / safe failure mode)         • at TOV test voltage (L-N)       1.35 KV         • at TOV test voltage (NCP)       1.05 KV         • between L and N       1.35 KV         • between L and Ground (GND)       1.06 KV         • between N and Ground (GND)       264 V         • between N and Ground (GND)       264 V         • between N and Ground (GND)       20 kA         • between N and Ground (GND) according to UL rated value       20 kA         • between N and Ground (GND) according to UL rated value       20 kA         • between N and Ground (GND) according to UL rated value       20 kA         • between N and Ground (GND) according to UL rated value       20 kA         • between N and Ground (GND) according to UL rated value </th <th>connectable conductor cross-section for remote signa contacts for finely stranded conductor</th> <th>ng 0.14 1.5 mm²</th> <th></th>	connectable conductor cross-section for remote signa contacts for finely stranded conductor	ng 0.14 1.5 mm²		
striped length of the cable for remote signaling contacts NEMAUL- Data	AWG number as coded connectable conductor cross	ection for 28 16		
NEMAUL - Data       4CA         type of distitution system       15         type of distitution system       TT. TN-S         designation of the protective paths according to UL       14         TOV behavior       415 V AC (5 s / withstand mode) / 457 V AC (120 min / safe failure mode)         eit TOV test voltage (L-N)       415 V AC (5 s / withstand mode) / 457 V AC (120 min / safe failure mode)         eit ToV test voltage (NLV)       15 V V CO (5 s / withstand mode) / 457 V AC (120 min / safe failure mode)         eiterveant Limiting Voltage (MLV)       108 V         eiterveant Land Ground (GND)       157 V V         eiterveant and N and Ground (GND)       264 V         eiterveant and CRUN (GND)       264 V         eiterveant and Ground (GND) according to UL rated value       20 kA         eiterveant and Ground (GND) according to UL rated value       20 kA         eiterveant and Ground (GND) according to UL rated value       20 kA         eiterveant and Ground (GND) according to UL rated value       20 kA         eiterveant and Ground (GND) according to UL rated value       20 kA         eiterveant and Ground (GND) according to UL rated value       20 kA      <	tightening torque for remote signaling contacts	0.25 N·m		
NEMAUL - Data  Type of distribution system  Type of distribution system  TT, TN-S  designation of the protective paths according to UL  TOV behavior  e. tot V loage (L-N)  at TOV test voltage (L-N)  tot V loage (L-N)  between L and Ground (GND)  between		ts 7 mm		
Spe of distribution system         15           type of distribution system         TT, TN-S           designation of the protective paths according to U.         L-N. L-G, N-G           TOV behavior         415 V AC (5 / withstand mode) / 457 V AC (120 min / safe failure mode)           e at TOV test voltage (N-PE)         1200 V (200 ms / withstand mode)           Measured Limiting Voltage (MCO)         1.57 KV           e telveen L and Ground (GND)         1.58 KV           e telveen L and Ground (GND)         1.68 KV           Maximum Continuous Operating Voltage (MCOV)         528 V           e telveen L and Ground (GND)         264 V           e telveen L and Ground (GND)         264 V           e telveen L and Ground (GND)         264 V           e telveen L and Ground (GND)         20 KA           e telveen L and Ground (GND) according to UL rated value         20 KA           e telveen L and Ground (GND) according to UL rated value         20 KA           e telveen L and Ground (GND) according to UL rated value         20 KA           e telveen L and Ground (GND) according to UL rated value         20 KA           e telveen L and Ground (GND) according to UL rated value         20 KA           e cording to UL         122           e cording to UL         122           e cording to UL<	NEMA/UL - Data			
Spe of distibution system according to UL         15           type of distibution system         TT, TN-S           designation of the protective paths according to UL         TT, TN-S           TOV behavior         415 V AC (6 5 / withstand mode) / 457 V AC (120 min / safe failure mode)           at TOV test voltage (N-PE)         1200 V (200 ms / withstand mode)           Aussured Limiting Voltage (MCO)         1.57 KV           a to distinution System         1.57 KV           between L and Ground (GND)         1.58 KV           between L and Ground (GND)         284 V           between L and Ground (GND)         284 V           between L and Ground (GND)         20 KA           all or out (GND) according to UL rated value         20 KA           between L and Ground (GND) according to UL rated value         20 KA           between L and Ground (GND) according to UL rated value         20 KA           between L and Ground (GND) according to UL rated value         20 KA           between L and Ground (GND) according to UL rated value         20 KA           between L and Ground (GND) according to UL rated value         20 KA           between L and Ground (GND) according to UL rated value         20 KA           between L and Ground (GND) according to UL rated value         20 KA           bertween to the remote signaling contacts ac	type of surge protective device (SPD) according to U	4CA		
Tr. TN-S           designation of the protective paths according to UL         L-N, L-G, A-G           TV behavior         415 V AC (5 s / withstand mode) / 457 V AC (120 min / safe failure mode)           ast TOV test voltage (L-N)         415 V AC (5 s / withstand mode) / 457 V AC (120 min / safe failure mode)           between L and Sround (SND)         1.57 KV           • between L and Ground (SND)         1.57 KV           • between L and Ground (SND)         1.68 KV           • between L and N         264 V           • between L and N         264 V           • between L and N         264 V           • between N and Ground (SND)         264 V           • between L and N         20 KA           • between L and N according to UL rated value         20 KA           • between L and N according to UL rated value         20 KA           • between L and Ground (GND)         125 V           • during strateginaling contacts according to UL         20 LA           • during strateginaling contacts according to UL         20 LA           • during strateginaling contacts according to UL         20 LA           • during stradge </td <td></td> <td>15</td> <td></td>		15		
designation of the protective paths according to UL         L-N, L-G, N-G           TOV behavior         415 V AC (5 s / withstand mode) / 457 V AC (120 min / safe failure mode)           According to UL         1200 V (200 ms / withstand mode) / 457 V AC (120 min / safe failure mode)           Measured Limiting Voltage (NL-N)         1.57 KV           • between L and Ground (GND)         1.57 KV           • between L and Ground (GND)         1.58 KV           • between L and Ground (GND)         264 V           • between L and Ground (GND) according to UL rated value         20 KA           • between L and Ground (GND) according to UL rated value         20 KA           • between L and Ground (GND) according to UL rated value         20 KA           • between L and Ground (GND) according to UL rated value         20 KA           • between L and Ground (GND) according to UL rated value         20 KA           • between L and Signaling contacts according to UL         30 14           • or remote signaling contacts according to UL         6552 R           • according to UL         1.64 b(av)           • during storage		TT, TN-S		
TOV behavior <ul> <li>el TOV test voltage (L-N)</li> <li>el TOV test voltage (MLV)</li> <li>el tov test voltage (MCV)</li> <li>el tove test voltage (MDD)</li> <l< td=""><td>designation of the protective paths according to UL</td><td></td><td></td></l<></ul>	designation of the protective paths according to UL			
• al TOV test voltage (N-PE)       1200 V (200 ms / withstand mode)         Messured Limiting Voltage (MUV)       1.57 kV         • between L and Ground (GND)       1.95 kV         • between N and Ground (GND)       1.96 kV         • between N and Ground (GND)       264 V         • between N and Ground (GND)       264 V         • between N and Ground (GND) according to UL rated value       20 kA         • between L and N according to UL rated value       20 kA         • between L and N according to UL rated value       20 kA         • between L and Round (GND) according to UL rated value       20 kA         • between L and N according to UL rated value       20 kA         • between L and N according to UL rated value       20 kA         • between L and Round (GND) according to UL rated value       20 kA         • between L and Scouding to UL rated value       20 kA         • between L and Scouding to UL       12 2         • for remote signaling contacts according to UL       30 14         operational current of the remote signaling contacts according to UL       10 +80 °C         • during operation       -40 +80 °C         • during storage       40 +80 °C         • during storage to UL       124 blava/         orembustibiity dastaccording to UL       124 blava/ <td></td> <td></td> <td></td>				
• al TOV test voltage (N-PE)       1200 V (200 ms / withstand mode)         Messured Limiting Voltage (MUV)       1.57 kV         • between L and Ground (GND)       1.95 kV         • between N and Ground (GND)       1.96 kV         • between N and Ground (GND)       264 V         • between N and Ground (GND)       264 V         • between N and Ground (GND) according to UL rated value       20 kA         • between L and N according to UL rated value       20 kA         • between L and N according to UL rated value       20 kA         • between L and Round (GND) according to UL rated value       20 kA         • between L and N according to UL rated value       20 kA         • between L and N according to UL rated value       20 kA         • between L and Round (GND) according to UL rated value       20 kA         • between L and Scouding to UL rated value       20 kA         • between L and Scouding to UL       12 2         • for remote signaling contacts according to UL       30 14         operational current of the remote signaling contacts according to UL       10 +80 °C         • during operation       -40 +80 °C         • during storage       40 +80 °C         • during storage to UL       124 blava/         orembustibiity dastaccording to UL       124 blava/ <td><ul> <li>at TOV test voltage (L-N)</li> </ul></td> <td>415 V AC (5 s / withstand mode) / 457 V AC (120 min / sa</td> <td>afe failure mode)</td>	<ul> <li>at TOV test voltage (L-N)</li> </ul>	415 V AC (5 s / withstand mode) / 457 V AC (120 min / sa	afe failure mode)	
Measured Limiting Voitage (MLV)       1.57 kV <ul> <li>between L and Ground (GND)</li> <li>between L and Ground (GND) according to UL rated value</li> <li>between L and Ground (GND) according to UL rated value</li> <li>between L and Ground (GND) according to UL rated value</li> <li>between L and Ground (GND) according to UL rated value</li> <li>between L and Ground (GND) according to UL rated value</li> <li>between L and Ground (GND) according to UL rated value</li> <li>between L and Ground (GND) according to UL rated value</li> <li>between L and Ground (GND) according to UL</li> <li>for remote signaling contacts at AC</li> <li>for remote signaling contacts at CC</li> <li>for gross weight [b] according to UL</li> <li>for remote signaling to UL</li> <li>for remote sig</li></ul>	÷ · ·		,	
<ul> <li>between L and Ground (GND)</li> <li>between N and Ground (GND)</li> <li>between N and Ground (GND)</li> <li>between L and Cround (GND)</li> <li>between L and Ground (GND)</li> <li>between L and Ground (GND)</li> <li>between L and Ground (GND)</li> <li>between N and Ground (GND) according to UL rated value</li> <li>between L and N according to UL rated value</li> <li>between L and Ground (GND) according to UL rated value</li> <li>between L and Ground (GND) according to UL rated value</li> <li>between L and Ground (GND) according to UL rated value</li> <li>between L and Ground (GND) according to UL rated value</li> <li>between L and Ground (GND) according to UL rated value</li> <li>between L and Ground (GND) according to UL rated value</li> <li>between L and Ground (GND) according to UL rated value</li> <li>between L and Ground (GND) according to UL rated value</li> <li>between L and Ground (GND) according to UL rated value</li> <li>between L and Ground (GND) according to UL rated value</li> <li>between L and Ground (GND) according to UL rated value</li> <li>between L and Ground (GND) according to UL rated value</li> <li>cording value of the remote signaling contacts according to UL operation</li> <li>during otrage</li> <li>during otrage</li> <li>during value of the remote signaling contacts according to UL operation</li> <li>during value of the remote signaling contacts according to UL operation</li> <li>during value of the remote signaling value of C</li> <li>during value of the remote signaling value of C</li> <li>during value of the remote signaling value of C</li> <li>during value of the remote value of C</li> <li>during value of the remote value of C</li> <li>during value of the remote value of C</li> <li>tweig</li></ul>				
<ul> <li>between L and N</li> <li>between N and Ground (GND)</li> <li>between L and N</li> <li>between L and Ground (GND)</li> <li>between L and N</li> <li>between N and Ground (GND)</li> <li>between N and Ground (GND)</li></ul>		1.57 kV		
Maximum Continuous Operating Voltage (MCOV)       528 V <ul> <li>between L and Ground (GND)</li> <li>528 V</li> <li>between N and Ground (GND) according to UL rated value</li> <li>between L and N according to UL rated value</li> <li>between L and Ground (GND) according to UL rated value</li> <li>between L and Ground (GND) according to UL rated value</li> <li>between L and Ground (GND) according to UL rated value</li> <li>between L and Ground (GND) according to UL rated value</li> <li>between L and Ground (GND) according to UL rated value</li> <li>between L and Ground (GND) according to UL rated value</li> <li>between L and Ground (GND) according to UL rated value</li> <li>between L and Ground (GND) according to UL rated value</li> <li>between L and Ground (GND) according to UL</li> <li>for remote signaling contacts according to UL</li> <li>of remote signaling contacts according to UL</li> <li>operational current of the remote signaling contacts at AC</li> <li>ambient temperature</li> <li>during operator</li> <li>during to UL</li> <li>duri</li></ul>		1.35 kV		
Maximum Continuous Operating Voltage (MCOV)       528 V <ul> <li>between L and Ground (GND)</li> <li>528 V</li> <li>between N and Ground (GND) according to UL rated value</li> <li>between L and N according to UL rated value</li> <li>between L and Ground (GND) according to UL rated value</li> <li>between L and Ground (GND) according to UL rated value</li> <li>between L and Ground (GND) according to UL rated value</li> <li>between L and Ground (GND) according to UL rated value</li> <li>between L and Ground (GND) according to UL rated value</li> <li>between L and Ground (GND) according to UL rated value</li> <li>between L and Ground (GND) according to UL rated value</li> <li>between L and Ground (GND) according to UL rated value</li> <li>between L and Ground (GND) according to UL</li> <li>for remote signaling contacts according to UL</li> <li>of remote signaling contacts according to UL</li> <li>operational current of the remote signaling contacts at AC</li> <li>ambient temperature</li> <li>during operator</li> <li>during to UL</li> <li>duri</li></ul>	<ul> <li>between N and Ground (GND)</li> </ul>	1.08 kV		
<ul> <li>between L and Ground (GND)</li> <li>between L and N</li> <li>between N and Ground (GND)</li> <li>264 V</li> <li>discharge current</li> <li>between N and Ground (GND) according to UL rated value</li> <li>between L and N according to UL rated value</li> <li>between L and Ground (GND) according to UL rated</li> <li>between L and Ground (GND) according to UL rated</li> <li>between L and Ground (GND) according to UL rated</li> <li>between L and Ground (GND) according to UL rated</li> <li>between L and Ground (GND) according to UL rated</li> <li>between L and Ground (GND) according to UL rated</li> <li>between L and Ground (GND) according to UL rated</li> <li>between L and Ground (GND) according to UL rated</li> <li>between L and Ground (GND) according to UL rated</li> <li>between L and Ground (GND) according to UL rated</li> <li>according to UL</li> <li>for remote signaling contacts according to</li> <li>12 2</li> <li>for remote signaling contacts according to</li> <li>125 V</li> <li>uning operation</li> <li>during operation</li> <li>during operation</li> <li>during operation</li> <li>during operation</li> <li>during operation</li> <li>during storage</li> <li>do +80 °C</li> <li>do .</li></ul>				
• between L and N       264 V         • between N and Ground (GND)       264 V         discharge current       20 KA         • between L and N according to UL rated value       20 KA         • between L and Roound (GND) according to UL rated value       20 KA         • between L and Ground (GND) according to UL rated value       20 KA         • between L and Ground (GND) according to UL rated value       20 KA         • between L and Ground (GND) according to UL rated value       20 KA         • between L and Ground (GND) according to UL rated value       20 KA         • according to UL       20 LA         • for remote signaling contacts according to UL       30 14         operational current of the remote signaling contacts at AC       1A         according to UL       40 +80 °C         • during storage       -40 +80 °C         • during storage		528 V		
discharge current • between N and Ground (GND) according to UL rated value • between L and N according to UL rated value • between L and Ground (GND) according to UL rated value 20 kA 20 kA		264 V		
discharge current <ul> <li>between N and Ground (GND) according to UL rated value</li> <li>between L and N according to UL rated value</li> <li>between L and Ground (GND) according to UL rated</li> <li>between L and Ground (GND) according to UL rated</li> <li>between L and Ground (GND) according to UL rated</li> <li>between L and Ground (GND) according to UL rated</li> <li>between L and Ground (GND) according to UL rated</li> <li>between L and Ground (GND) according to UL rated</li> <li>between L and Ground (GND) according to UL rated</li> <li>between L and Ground (GND) according to UL according to UL</li> <li>according to UL</li> <li>for remote signaling contacts according to UL</li> <li>operational current of the remote signaling contacts at AC according to UL</li> <li>ambient temperature</li> <li>during operation</li> <li>during operation</li> <li>during operation</li> <li>during operation</li> <li>during operation</li> <li>during storage</li> <li>40 +80 °C</li> <li>installation altitude above sea level according to UL</li> <li>according to UL</li> <li>according to UL</li> <li>for fremation</li> <li>during storage</li> <li>40 +80 °C</li> <li>installation altitude above sea level according to UL</li> <li>according to UL</li> <li>according to UL</li> <li>for a blocwing to UL</li> <li>for the remote signaling c</li></ul>	<ul> <li>between N and Ground (GND)</li> </ul>	264 V		
	• between N and Ground (GND) according to UL	ated 20 kA		
value       AWG number as coded connectable conductor cross section            according to UL	<ul> <li>between L and N according to UL rated value</li> </ul>	20 kA		
section	• between L and Ground (GND) according to UL	ated 20 kA		
• for remote signaling contacts according to UL         30 14           operating voltage of the remote signaling contacts according to UL         125 V           operational current of the remote signaling contacts at AC according to UL         1 A           ambient temperature         -40 +80 °C           • during operation         -40 +80 °C           • during storage         -40 +80 °C           • during storage         -40 +80 °C           installation attitude above sea level according to UL         6 562 ft           gross weight [b] according to UL         1.64 lb(av)           combustibility class according to UL         1.64 lb(av)           combustibility class according to UL         0 +40 °C           Approvals Certificates         UL 1449 edition 4           Approvals Certificates         UL 1449 edition 4           Operation to UL         Environmental Con           with remote signaling contacts according to UL         Environmental Con		35		
operating voltage of the remote signaling contacts according to UL       125 V         operational current of the remote signaling contacts at AC according to UL       1 A         ambient temperature <ul> <li>during operation</li> <li>-40 +80 °C</li> <li>-40 +80 °C</li> <li>installation altitude above sea level according to UL</li> <li>6 562 ft</li> <li>gross weight [b] according to UL</li> <li>1.64 lb(av)</li> <li>combustibility class according to UL</li> <li>and the entities according to UL</li> <li>40 L 1449 edition 4</li> </ul> Approvals Certificates           General Product Approval <ul> <li>Environmental Con-</li> <li>Environmental Con-</li> <li>Environmental Con-</li> <li>Environmental Con-</li> <li>Environmental Con-</li> </ul>	<ul> <li>according to UL</li> </ul>	12 2		
UL     UL     IA       operational current of the remote signaling contacts at AC according to UL.     1 A       ambient temperature     -40 +80 °C       • during operation     -40 +80 °C       • during storage     -40 +80 °C       installation altitude above sea level according to UL     6 562 ft       gross weight [lb] according to UL     1.71 lb(av)       net weight [lb] according to UL     1.64 lb(av)       combustibility class according to UL     UL 1449 edition 4       Approvals Certificates     Image: Steam       General Product Approval     Image: Steam       other     Environmental Context       Miscellaneous     Confirmation	<ul> <li>for remote signaling contacts according to UL</li> </ul>	30 14		
according to UL ambient temperature		ording to 125 V		
• during operation     -40 +80 °C       • during storage     -40 +80 °C       installation altitude above sea level according to UL     6 562 ft       gross weight [lb] according to UL     1.71 lb(av)       net weight [lb] according to UL     1.64 lb(av)       combustibility class according to UL 94     V0       standards according to UL     UL 1449 edition 4       Approvals Certificates     UL 1449 edition 4       General Product Approval       Confirmation       KEMA     V       Niscellaneous     Confirmation		AC 1 A		
• during storage       -40 +80 °C         installation altitude above sea level according to UL       6 562 ft         gross weight [lb] according to UL       1.71 lb(av)         net weight [lb] according to UL       1.64 lb(av)         combustibility class according to UL 94       V0         standards according to UL       UL 1449 edition 4         Approvals Certificates       UL 1449 edition 4         General Product Approval       Confirmation         KEMA       VI         vol       VI         KEMA       VI         Miscellaneous       Confirmation         Environmental Con-       Environmental Con-	ambient temperature			
installation altitude above sea level according to UL 6 562 ft gross weight [b] according to UL 1.71 lb(av) net weight [b] according to UL 1.64 lb(av) combustibility class according to UL 94 V0 standards according to UL UL 1449 edition 4 Approvals Certificates General Product Approval Confirmation Confirmation KEMA Confirmation Environmental Con-	<ul> <li>during operation</li> </ul>	-40 +80 °C		
gross weight [lb] according to UL       1.71 lb(av)         net weight [lb] according to UL       1.64 lb(av)         combustibility class according to UL 94       V0         standards according to UL       UL 1449 edition 4         Approvals Certificates       General Product Approval         General Product Approval       Image: Confirmation         KEMA       Image: Confirmation         Niscellaneous       Confirmation         Environmental Con-       Environmental Con-	<ul> <li>during storage</li> </ul>	-40 +80 °C		
net weight [lb] according to UL       1.64 lb(av)         combustibility class according to UL 94       V0         standards according to UL       UL 1449 edition 4         Approvals Certificates       General Product Approval         Confirmation       Image: Confirmation for the second se	installation altitude above sea level according to UL	6 562 ft		
combustibility class according to UL 94     V0       standards according to UL     UL 1449 edition 4       Approvals Certificates     General Product Approval       General Product Approval     Image: Confirmation matching to the second sec	gross weight [lb] according to UL	1.71 lb(av)		
UL 1449 edition 4       Approvals Certificates       General Product Approval       Confirmation       Confirmation     Image: Confirmation method in the second method method in the second method method method in the second method method method in the second method m	net weight [lb] according to UL	1.64 lb(av)		
Approvals Certificates         General Product Approval         Confirmation       Image: Confirmation keina       Image: Confirma       Image: Confirmation keina	combustibility class according to UL 94	V0		
General Product Approval         Confirmation       Image: Confirmation kema	standards according to UL	UL 1449 edition 4		
Confirmation       Image: Confirmation	Approvals Certificates			
Confirmation       Image: Confirmation	General Product Approval			
EG-Konf.     KEMA     UL     UR     LIIL       other     Environmental Con-     Environmental Con-	C C		ror	
Miscellaneous Confirmation Environmental Con- Environmental Con-	EG-Konf.		CUL	
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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=5SD7412-1 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SD7412-1 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SD7412-1 CAx-Online-Generator http://www.siemens.com/cax





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