## SIEMENS

## Data sheet

Computed date

## 5SD7444-1

Combination arrester type 1+2 Requirement class B+C, UC 350V Pluggable protective modules 4-pole, 3+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 / acc. to EN 61643-11	
<ul> <li>Test Class I, Type 1</li> </ul>	Yes
<ul> <li>Test Class II, Type 2</li> </ul>	Yes
<ul> <li>Test Class III, Type 3</li> </ul>	No
number of SPD ports	1
Product version	Arrester combination
design of pole	3+N/PE
designation of the protective paths	L-N, L-PE, N-PE
Accessories	3 x 5SD7428-1 + 1 x 5SD7418-0 + 3 x 5SD7448-1
fastening method	DIN rail NS 35
material / of the enclosure	PBT
Degree of pollution	2
overvoltage category / acc. 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
Ambient temperature / during operation / minimum permissible ambient temperature / during operation / maximum permissible	-40 °C 80 °C
ambient temperature / during storage and transport	-40 °C 80 °C
relative humidity / during operation	5 % 95 %
installation altitude / at height above sea level / maximum	2 000 m
Width	142.8 mm
Height	95 mm
depth	71.5 mm
net weight	1 236 g
Electrical data	
type of distribution system	TT, TN-S
operating voltage	240 / 415 V AC
operating voltage	230 V
operating frequency	50/60 Hz
continuous operating voltage	
• maximum	350 V
<ul> <li>between N and PE</li> </ul>	350 V

• between L and (PE)N	350 V
load current	125 A (< 55°C)
protective conductor current	0.01 mA
apparent power consumption / maximum	300 mVA
discharge current	
<ul> <li>between L and (PE)N / at (8/20) μs</li> </ul>	25 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
lightning current peak value / at (10/350) µs	
<ul> <li>lightning current peak value / between L and PE</li> </ul>	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	
<ul> <li>charge of the flash / between L and N</li> </ul>	12.5 A·s
<ul> <li>charge of the flash / between L and PE</li> </ul>	12.5 A·s
charge of the flash / between N and PE	50 A·s
specific energy of the flash / at (10/350) µs	
between L and N	160
between L and PE	160
between N and PE	2 500
follow current extinguishing capability	
between N and PE	100 A (350 V AC)
between L and N	25 kA (264 V AC), 3 kA (350 V AC)
short-circuit rating (SCCR) / at 264 V	25 kA
protection level	
between L and N	1.5 kV
between L and PE	2.2 kV
between N and PE	1.5 kV
residual voltage	1.0 (V
between L and (PE)N	
- at rated value of discharge current / maximum	1.5 kV
— at 10 kA / maximum	1.5 KV
— at 5 kA / maximum	1.2 KV 1 KV
— at 3 kA / maximum	0.9 kV
between L and PE	0.9 KV
	2.2.147
- at rated value of discharge current / maximum	2.2 kV 2 kV
— at 10 kA / maximum	
— at 5 kA / maximum	1.8 kV
— at 3 kA / maximum	1.6 kV
between N and PE	4 5 1 1
— at rated value of discharge current / maximum	1.5 kV
— at 10 kA / maximum	1 kV
— at 5 kA / maximum	0.9 kV
— at 3 kA / maximum	0.8 kV
response value of the surge voltage / at 6 kV / at (1.2/50) $\mu s$	
between L and N	1.5 kV
<ul> <li>between L and PE</li> </ul>	2.2 kV
<ul> <li>between N and PE</li> </ul>	1.5 kV
<ul> <li>response time / between L and (PE)N</li> </ul>	25 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)
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Connections/ Terminals	
Connections/ Terminals type of electrical connection	Screw terminal
type of electrical connection	Screw terminal 18 mm

connectable conductor ross-section         2.5 25           • for finely stranded conductor         2.5 25           • Mor number 1 as coded connectable conductor cross         2.5 25           Section         25           design of the thread / of the connectable conductor cross         25           section         25           design of the thread / of the connectable conductor cross         26           section         20           cection         20           design of the thread / of the remote signaling contacts         26           operating function / of the remote signaling contacts         1A           operational current / of the remote signaling contacts         1A           • at AC         10 mA 1 A           • at AC         10 mA 1 A           • at AC         10 mA 1.5           • for remote signaling contacts         0 14 1.5           • for remote signaling contacts	stripped length	18 mm
<ul> <li>of finely stranded conductor</li> <li>2.5 25</li> <li>Mice and a conductor</li> <li>2.5 25</li> <li>Mice and the stranded conductor cross actions acrew</li> <li>3 2</li> <li>design of the thread / of the connection screw</li> <li>Ms</li> <li>design of the thread / of the connection screw</li> <li>Ms</li> <li>design of the thread / of the connection screw</li> <li>Ms</li> <li>design of the thread / of the connection screw</li> <li>Ms</li> <li>design of the thread / of the connection screw</li> <li>Ms</li> <li>design of the thread / of the connection screw</li> <li>Ms</li> <li>design of the thread / of the connection screw</li> <li>Ms</li> <li>design of the thread / of the connection screw</li> <li>Ms</li> <li>design of the thread / of the connection screw</li> <li>Ms</li> <li>design of the thread / of the connection screw</li> <li>Ms</li> <li>design of the thread / of the connection screw</li> <li>Ms</li> <li>design of the thread / of the connection screw</li> <li>Ms</li> <li>design of the thread / of the connection screw</li> <li>design of the thread / of thread / of the connection / of thread / of the connection / of t</li></ul>		
<ul> <li>e for rigit conductor</li> <li>2.5 36</li> <li>AWG mumber / as coded connectable conductor cross section</li> <li>a control / as coded connectable conductor cross section</li> <li>a control / as coded connectable conductor cross section</li> <li>a control / as coded connectable contacts</li> <li>a control / a code / a contact / a code</li></ul>		2.5 25
• inely stranded         2.5 25           AWG number / as code connectable conductor cross decision         13 2           design of the thread / of the connection screw         M5           signal design         Optical, remote signaling contact         PDT contact           opticating voltage / of the remote signaling contacts         •11 AC         12 250           •11 AC         12 250         •11 AC           •11 AC         12 250         •11 AC           •11 AC         10 mA 1 A         •11 AC           •11 C         0.14 1.5         0.14 1.5           Owned to hey signaling contacts         0.25 N m         0.25 N m           11 Stype of signaling torisels / minitum         0.25 N m         0.25 N m           12 Stype of distribution system         1.20 V (200 ms / 0.14 1.5         0.25 N m           13 type of distribution system / according to UL         YAC         YAMG yauge / 1.07 the cobie / 107 remote signaling contacts	-	
AWG number / as coded connectable conductor cross sertion     13 2       design of the thread / of the connectable conductor cross signal design     Optical, remote signaling contacts       astuching function / of the remote signaling contacts     PDT contact       operating voltage / of the remote signaling contacts     PDT contact       operating voltage / of the remote signaling contacts     PDT contact       operating voltage / of the remote signaling contacts     12250       • at DC     12260       • at DC     12020 mA DC)       connectable conductor consection     DC       orth act C     11.6       connectable conductor consection     DC       orth ray stranded conductor / for remote signaling contacts     0.14 1.5       oction / of the remote signaling contacts / mainium     0.14 1.5       oction / of the signaling contacts / mainium     28       exection / for remote signaling contacts / mainium     16       escient / for remote signaling contacts / mainium     16       type of distribution system / according to UL     3Y       type of distribution system / according to UL     3Y       type of distribution system / according to UL     3Y       type of distribution system / according to UL     145 VAC (5 s / withstand mode) / 457 VAC (120 min / safe failure mode)       edsignation of the protective paths / according to UL     1200 V (200 ms / with	-	
signal design         Optical, remote signaling contact           Indicator/remote signaling contacts         PDT contact           operating voltage / of the remote signaling contacts         PDT contact           of AC         12.2.250           of at DC         125 V (200 mA DC)           operating voltage / of the remote signaling contacts         10 mA 1 A           of at DC         10 mA 1 A           connection type of remote signaling contact         M2 screw thread           connection type of remote signaling contact / for remote signaling contacts / for remote signali	AWG number / as coded connectable conductor cross	
Indicator/remote signaling contacts       POT contact         eveloperating voltage / of the remote signaling contacts       POT contact         eveloperating voltage / of the remote signaling contacts       12250         eveloperational current / of the remote signaling contacts       12250         eveloperational current / of the remote signaling contacts       10 mA 1 A         eveloperational current / of the remote signaling contacts       10 mA 1 A         eveloperational current / of the remote signaling contact       10 mA 1 A         eveloperational current / of the remote signaling contact       10 mA 1 A         eveloperational current / of the remote signaling contact       10 mA 1 A         eveloperational current / of the remote signaling contact       10 mA 1 A         eveloperational current / of the conductor cross-section       0.14 1.5         ornectable conductor cross-section       0.14 1.5         eveloperation gravely for remote signaling contacts       0.25 N m         titpped engit / of the coable / for remote signaling contacts       0.25 N m         titpped engit / of the coable / for remote signaling contacts       0.25 N m         titpped engit / of the coable / for remote signaling contacts       0.25 N m         titpped engit / of the coable / for remote signaling contacts       12 MV         type of distribution system	design of the thread / of the connection screw	M5
switching function / of the remote signaling contacts         PDT contact           oparating voltage / of the remote signaling contacts         12250           • at DC         125 V (200 mA DC)           operational current / of the remote signaling contacts         10 mA1 A           • at DC         10 mA1 A           • or finely signaling contact         M2 screw thread           connectable conductor cross-section         0.141.5           • for remote signaling contacts / for rigit conductor         0.141.5           AWG number / as coded connectable conductor cross         28           section / for remote signaling contacts         0.25 N m           stripped length / of the cable / for remote signaling contacts         0.25 N m           stripped length / of the cable / for remote signaling contacts         0.20 N m           type of distribution system         4CA           type of distribution system / according to UL         4CA           type of distribution system         11L.N.L.G.NG           • at TOV test voltage (MLV) / between L and L         247 kV           Measured Limiting Voltage (MLV) / between L and Ground (GND)         1.54 V	signal design	Optical, remote signaling contact
operating voltage / of the remote signaling contacts         12 250           • et AC         12 250           • et AC         125 V (200 mA DC)           operational current / of the remote signaling contacts         10 mA 1 A           • et AC         10 mA 1 A           • et TOV best variable conductor cross section / for remote signaling contacts         28           • et TOV test voltage rotective signaling contacts         10 MCA<	Indicator/remote signaling	
operating voltage / of the remote signaling contacts         12 250           • et AC         12 250           • et AC         125 V (200 mA DC)           operational current / of the remote signaling contacts         10 mA 1 A           • et AC         10 mA 1 A           • et TOV best variable conductor cross section / for remote signaling contacts         28           • et TOV test voltage rotective signaling contacts         10 MCA<	switching function / of the remote signaling contacts	PDT contact
• et AC     12250       • et DC     125 V (200 mADC)       operational current / of the remote signaling contacts     10 mA 1 A       • et DC     1A ADC (30 V DC)       connectable conductor cross-section     0.14 1.5       • for finely stranded conductor / for remote signaling contacts     0.14 1.5       • AVG number / as coded connectable conductor cross     28       AWG number / as coded connectable conductor cross     28       AWG number / as coded connectable conductor cross     28       Section / for remote signaling contacts     0.25 N m       stripped length / of the cable / for remote signaling contacts     0.25 N m       stripped length / of the cable / for remote signaling contacts     0.25 N m       stripped length / of the cable / for remote signaling contacts     0.26 N m       ype of distribution system     0.14 1.5       • at TOV test voltage (L-N)     40A       • at TOV test voltage (L-N)     415 V AC (5 s / withstand mode) / 457 V AC (120 min / safe failure mode)       • at TOV test voltage (L-N)     1.34 kV       Measured Limiting Voltage (MLV) / between L and N     1.34 kV       Measured Limiting Voltage (MLV) / between L and N     1.34 kV       Measured Limiting Voltage (MLV) / between L and N     1.34 kV       Measured Limiting Voltage (MLV) / between L and N     1.34 kV       Measured Limiting Voltage (MCV) / betw		
operational current / of the remote signaling contacts       10 mA 1 A         • at AC       10 mA 1 A         • at DC       10 mA 1 A         connectable conductor cross-section       • for remote signaling contact         • for finely stranded conductor / for remote signaling contacts       0.14 1.5         Out on the protein of signaling contacts / for rigid conductor cross-section / for remote signaling contacts / for rigid conductor cross-section / for remote signaling contacts       0.14 1.5         AWC number / as coded connectable conductor cross-section / for unote signaling contacts       0.25 N·m         AWG number / as coded connectable conductor cross-section / for remote signaling contacts       0.25 N·m         stripped length / of the cable / for remote signaling contacts       0.25 N·m         type of distribution system / according to UL       3Y         type of distribution system / according to UL       3Y         TOV behavior       415 V AC (5 s / withstand mode) / 457 V AC (120 min / safe failure mode)         • at TOV test voltage (NLV) / between L and L       1.55 KV         Measured Limiting Voltage (MLV) / between L and L       1.24 KV         Measured Limiting Voltage (MLV) / between L and N       1.34 kV         Measured Limiting Voltage (MLV) / between L and N       1.06 kV         Maximum Continuous Operating Voltage (MCOV) / between L and N       28 V		12 250
• at AC         10 mA 1 A           • at DC         1A DC (30 V DC)           connection type of remote signaling contact         M2 screw thread           connectable conductor cross-section         0.14 1.5           • for remote signaling contacts / for rigid conductor         0.14 1.5           • WC number / as coded connectable conductor cross         28           section / for remote signaling contacts / minimum         28           AWG number / as coded connectable conductor cross         28           section / for remote signaling contacts / minimum         28           MVG number / as coded connectable conductor cross         28           section / for remote signaling contacts / maximum         10           type of distribution system / according to UL         0.25 N·m           Type of distribution system / according to UL         3Y           type of distribution system / according to UL         3Y           type of distribution system / according to UL         15 VAC (5 s / withstand mode) / 457 VAC (120 min / safe failure mode)           • at TOV test voltage (NLV) / between L and L         247 KV           Measured Limiting Voltage (MLV) / between L and Ground (GND)         528 V           Measured Limiting Voltage (MLV) / between L and N         1.34 kV           Measured Limiting Voltage (MLV) / between L and N         1.34 kV	● at DC	125 V (200 mA DC)
• at DC         1 A DC (30 V DC)           connectable conductor ross-section         • for remote signaling contacts / for rigid conductor           • for remote signaling contacts / for remote signaling contacts / socied connectable conductor cross         28           action 1/4 1.5         0.14 1.5           AWG number / as coded connectable conductor cross         28           action 1/6 remote signaling contacts / minimum         16           WWG number / as coded connectable conductor cross         28           section 1/6 remote signaling contacts / minimum         7 mm           Hightening tongue / for remote signaling contacts         0.25 N·m           stripped length / of the cable / for remote signaling contacts         0.25 N·m           Vipe of distribution system / according to UL         3Y           Vype of distribution system / according to UL         3Y           Vype of distribution system / according to UL         100 V (200 ms / withstand mode) / 457 V AC (120 min / safe failure mode)           • at TOV test voltage (NLV) / between L and L         247 kV           Measured Limiting Voltage (MLV) / between L and Ground (GND)         1.34 kV           Measured Limiting Voltage (MLV) / between L and N         1.34 kV           Measured Limiting Voltage (MLV) / between L and N         1.34 kV           Measured Limiting Voltage (MLV) / between L and N         1.34 kV <td>operational current / of the remote signaling contacts</td> <td></td>	operational current / of the remote signaling contacts	
connection type of remote signaling contact         M2 screw thread           connectable conductor cross-section         0.14 1.5           • for remote signaling contacts / for remote signaling contacts         0.14 1.5           AWG number / as code connectable conductor cross section / for remote signaling contacts / minimum         28           AWG number / as code connectable conductor cross section / for remote signaling contacts / maximum         0.25 N·m           Stripped length / of the cable / for remote signaling contacts         0.25 N·m           MetMAUL - Data         7 mm           type of surge protective device (SPD) / according to UL         3Y           Type of distribution system         TT, TN-S           designation of the protective paths / according to UL         245 VAC (5 s / withstand mode) / 457 V AC (120 min / safe failure mode)           • at TOV test voltage (IL-N)         415 VAC (5 s / withstand mode)           • at TOV test voltage (MLV) / between L and L         247 kV           Measured Limiting Voltage (MLV) / between L and Ground (GND)         158 kV           Measured Limiting Voltage (MLV) / between N and Ground (GND)         528 V           Maximum Continuous Operating Voltage (MCOV) / between L and N         1.34 kV           Maximum Continuous Operating Voltage (MCOV) / between L and N         284 V           Maximum Continuous Operating Voltage (MCOV) / between L and N	• at AC	10 mA 1 A
connectable conductor cross-section       0.14 1.5         • for remote signaling contacts / for rigid conductor       0.14 1.5         • AWC number / as coded connectable conductor cross       28         section / for remote signaling contacts / minimum       28         AWC number / as coded connectable conductor cross       16         section / for remote signaling contacts       0.25 N·m         type of surge protective device (SPD) / according to UL       0.4 1.5         type of distribution system / according to UL       3Y         type of distribution system / according to UL       3Y         type of distribution system / according to UL       14 1.5, N-S         type of distribution system / according to UL       3Y         tVV behavior       415 VAC (5 s / withstand mode) / 457 V AC (120 min / safe failure mode)         • at TOV test voltage (NLV) / between L and L       24 KV         Measured Limiting Voltage (MLV) / between L and L       24 KV         Measured Limiting Voltage (MLV) / between L and L       15 kV         (GND)       15 kV         Maximum Continuous Operating Voltage (MCOV) /       528 V         between L and L       264 V         Maximum Continuous Operating Voltage (MCOV) /       528 V         between N and Ground (GND)       264 V         Maximum Conti	● at DC	1 A DC (30 V DC)
• for remote signaling contacts / for rigid conductor         0.14 1.5           • for finely stranded conductor / for remote signaling contacts         0.14 1.5           AWG number / as coded connectable conductor cross section / for remote signaling contacts / maximum         28           AWG number / as coded connectable conductor cross section / for remote signaling contacts / maximum         0.25 N·m           stripped length / of the cable / for remote signaling contacts         0.25 N·m           type of surge protective device (SPD) / according to UL         4CA           type of distribution system         TT, TN-S           designation of the protective paths / according to UL         3Y           TOV behavior         • at TOV test voltage (IL-N)           • at TOV test voltage (NL-P)         415 V.AC (5 s / withstand mode) / 457 V AC (120 min / safe failure mode)           • at TOV test voltage (NL-V) / between L and L         247 kV           Measured Limiting Voltage (MLV) / between L and Ground (GND)         1.38 kV           Measured Limiting Voltage (MLV) / between N and Ground (GND)         528 V           Maximum Continuous Operating Voltage (MCOV) / between L and L         264 V           Maximum Continuous Operating Voltage (MCOV) / between L and L         264 V           Maximum Continuous Operating Voltage (MCOV) / between L and L         264 V           Maximum Continuous Operating Voltage (MCOV) / between L	connection type of remote signaling contact	M2 screw thread
• for finely stranded conductor / for remote signaling contacts         0.14 1.5           AWG number / as coded connectable conductor cross section / for remote signaling contacts / minimum         28           AWG number / as coded connectable conductor cross section / for remote signaling contacts / maximum         16           Tightening torque / for remote signaling contacts         0.25 N m           Stripped length / of the cable / for remote signaling contacts         0.26 N m           VEMA/UL - Data         Type of distribution system / according to UL         4CA           type of distribution system / according to UL         3Y           type of distribution system / according to UL         4CA           type of distribution system / according to UL         4CA           type of distribution system / according to UL         4CA           type of distribution system / according to UL         4CA           type of distribution system / according to UL         415 V AC (5 s / withstand mode) / 457 V AC (120 min / safe failure mode)           • at TOV test voltage (NLV) / between L and L         247 kV           Measured Limiting Voltage (MLV) / between L and L         1.58 kV           Measured Limiting Voltage (MLV) / between N and Ground (GND)         1.34 kV           Maximum Continuous Operating Voltage (MCOV) / between L and R - and L         284 V           Maximum Continuous Operating Voltage (MCOV) / between L	connectable conductor cross-section	
avws number / as coded connectable conductor cross section / for remote signaling contacts / minimum       28         AWG number / as coded connectable conductor cross section / for remote signaling contacts / maximum       16         tightening torque / for remote signaling contacts       0.25 N·m         stripped length / of the cable / for remote signaling contacts       0.25 N·m         Ype of surge protective device (SPD) / according to UL       4CA         type of distribution system       Tr, TN-S         designation of the protective paths / according to UL       3Y         TOV behavior       +15 VAC (5 s / withstand mode) / 457 VAC (120 min / safe failure mode)         • at TOV test voltage (L-N)       +15 VAC (5 s / withstand mode) / 457 VAC (120 min / safe failure mode)         Measured Limiting Voltage (MLV) / between L and L       2.47 kV         Measured Limiting Voltage (MLV) / between L and N       1.34 kV         Measured Limiting Voltage (MLV) / between N and Ground (GND)       528 V         Maximum Continuous Operating Voltage (MCOV) / between L and N       264 V         Maximum Continuous Operating Voltage (MCOV) / between L and N       20 kA         leakage current / according to UL       20 kA	<ul> <li>for remote signaling contacts / for rigid conductor</li> </ul>	0.14 1.5
section / for remote signaling contacts / minimum AWG number / according to UL tightening torque / for remote signaling contacts / maximum tightening torque / for remote signaling contacts / maximum tightening torque / for remote signaling contacts / maximum <b>NEMA/UL - Data</b> <b>NEMA/UL - Data</b> type of surge protective device (SPD) / according to UL type of distribution system / according to UL type of distribution system / according to UL TOV behavior • at TOV test voltage (L-N) • at TOV test voltage (MLV) / between L and L Measured Limiting Voltage (MLV) / between L and Ground (GND) Measured Limiting Voltage (MLV) / between L and M Maximum Continuous Operating Voltage (MCOV) / between L and L Maximum Continuous Operating Voltage (MCOV) / between L and N Maximum Continuous Operating Voltage (MCOV) / between L and Ground (GND) Maximum Continuous Operating Voltage (MCOV) / between L and Ground (GND) Maximum Continuous Operating Voltage (MCOV) / between L and Ground (GND) Maximum Continuous Operating Voltage (MCOV) / between L and Ground (GND) Maximum Continuous Operating Voltage (MCOV) / between L and Ground (GND) Maximum Continuous Operating Voltage (MCOV) / between N and Ground (GND) leakage current / according to UL leakage current / according to UL elakage current / according to UL between L and N / according to UL		0.14 1.5
section / for remote signaling contacts / maximum       0.25 N·m         tippel ength / of the cable / for remote signaling contacts       0.25 N·m         NEMA/UL - Data       7 mm         type of distribution system / according to UL       3Y         type of distribution system / according to UL       3Y         type of distribution system / according to UL       10L         TOV behavior       415 V AC (5 s / withstand mode) / 457 V AC (120 min / safe failure mode)         • at TOV test voltage (L-N)       415 V AC (5 s / withstand mode) / 457 V AC (120 min / safe failure mode)         • at TOV test voltage (MLV) / between L and L       2.47 kV         Measured Limiting Voltage (MLV) / between L and Ground (GND)       1.55 kV         Maximum Continuous Operating Voltage (MCOV) / between N and Ground (GND)       528 V         Maximum Continuous Operating Voltage (MCOV) / between L and R       528 V         between L and Ground (GND)       264 V         Maximum Continuous Operating Voltage (MCOV) / between L and R       264 V         between L and Ground (GND)       20 kA         leakage current / according to UL       20 kA         leakage current / according to UL <td></td> <td>28</td>		28
Stripped length / of the cable / for remote signaling contacts       7 mm         NEMA/UL - Data       Ype of surge protective device (SPD) / according to UL       4CA         type of distribution system / according to UL       3Y         Type of distribution system / according to UL       3Y         type of distribution system       TT, TN-S         designation of the protective paths / according to UL       L-L, L-N, L-G, N-G         TOV behavior       + at TOV test voltage (L-N)         • at TOV test voltage (NL-PE)       1200 V (200 ms / withstand mode) / 457 V AC (120 min / safe failure mode)         Measured Limiting Voltage (MLV) / between L and L       2.47 kV         Measured Limiting Voltage (MLV) / between L and Roround (GND)       1.34 kV         Measured Limiting Voltage (MLV) / between N and Ground (GND)       1.08 kV         Ground (GND)       528 V         between L and Coround (GND)       264 V         Maximum Continuous Operating Voltage (MCOV) / between L and Roround (GND)       264 V         Maximum Continuous Operating Voltage (MCOV) / between L and Roround (GND)       20 kA         Ieakage current / according to UL       20 kA         Ieak		16
NEMA/UL - Data         type of surge protective device (SPD) / according to UL       3Y         type of distribution system / according to UL       3Y         type of distribution system / according to UL       3Y         type of distribution system / according to UL       1L         TOV behavior       415 V AC (5 s / withstand mode) / 457 V AC (120 min / safe failure mode)         • at TOV test voltage (L-N)       415 V AC (5 s / withstand mode) / 457 V AC (120 min / safe failure mode)         Measured Limiting Voltage (MLV) / between L and L       2.47 kV         Measured Limiting Voltage (MLV) / between L and Ground (GND)       1.55 kV         Measured Limiting Voltage (MLV) / between L and N       1.34 kV         Measured Limiting Voltage (MLV) / between N and Ground (GND)       528 V         between L and L       528 V         Maximum Continuous Operating Voltage (MCOV) / between L and N       528 V         Maximum Continuous Operating Voltage (MCOV) / between L and N       528 V         Maximum Continuous Operating Voltage (MCOV) / between L and N       264 V         Maximum Continuous Operating Voltage (MCOV) / between L and N       20 kA         Ieakage current / according to UL       20 kA         Ieakage current / according to UL       20 kA         Ieakage current / according to UL       20 kA         Ieakage current / acccord	tightening torque / for remote signaling contacts	0.25 N·m
type of surge protective device (SPD) / according to UL       4CA         type of distribution system / according to UL       3Y         type of distribution system       TT, TN-S         designation of the protective paths / according to UL       L-L, L-N, L-G, N-G         TOV behavior       415 V AC (5 s / withstand mode) / 457 V AC (120 min / safe failure mode)         • at TOV test voltage (N-PE)       1200 V (200 ms / withstand mode)         Measured Limiting Voltage (MLV) / between L and L       2.47 kV         Measured Limiting Voltage (MLV) / between L and Ground (GND)       1.55 kV         Measured Limiting Voltage (MLV) / between N and Ground (GND)       1.08 kV         Maximum Continuous Operating Voltage (MCOV) / between N and Ground (GND)       528 V         Maximum Continuous Operating Voltage (MCOV) / between L and COV) / between L and N       264 V         Maximum Continuous Operating Voltage (MCOV) / between L and Sround (GND)       264 V         Beakage current / according to UL       20 kA         Ieakage current / according to UL       20 kA		7 mm
type of distribution system / according to UL       3Y         type of distribution system       TT, TN-S         designation of the protective paths / according to UL       L-L, L-N, L-G, N-G         TOV behavior       415 V AC (5 s / withstand mode) / 457 V AC (120 min / safe failure mode)         • at TOV test voltage (IL-N)       415 V AC (5 s / withstand mode) / 457 V AC (120 min / safe failure mode)         • at TOV test voltage (N-PE)       1200 V (200 ms / withstand mode)         Measured Limiting Voltage (MLV) / between L and L       2.47 kV         Measured Limiting Voltage (MLV) / between L and Round       1.55 kV         Measured Limiting Voltage (MLV) / between N and       1.08 kV         Ground (GND)       528 V         Maximum Continuous Operating Voltage (MCOV) / between L and COV /       528 V         between L and Cound (GND)       264 V         Maximum Continuous Operating Voltage (MCOV) /       264 V         between L and N       20 kA         leakage current / according to UL       20 kA         leakage curre	NEMA/UL - Data	
The of distribution system       TT, TN-S         designation of the protective paths / according to UL       L-L, L-N, L-G, N-G         TOV behavior       415 V AC (5 s / withstand mode) / 457 V AC (120 min / safe failure mode)         • at TOV test voltage (L-N)       415 V AC (5 s / withstand mode) / 457 V AC (120 min / safe failure mode)         • at TOV test voltage (MLV) / between L and L       2.47 kV         Measured Limiting Voltage (MLV) / between L and Ground (GND)       1.55 kV         Measured Limiting Voltage (MLV) / between L and N       1.34 kV         Measured Limiting Voltage (MLV) / between N and Ground (GND)       528 V         Maximum Continuous Operating Voltage (MCOV) / between N and L       528 V         Maximum Continuous Operating Voltage (MCOV) / between L and N       528 V         between L and L       264 V         Maximum Continuous Operating Voltage (MCOV) / between L and N       264 V         between L and N       20 kA         leakage current / according to UL       20 kA         leakage current / according to UL       20 kA         leakage current / according to UL       20 kA         sequential current       20 kA         between N and Ground (GND) / according to UL       20 kA         ieakage current / according to UL       20 kA         ieakage current / according to UL       20 kA </td <td>type of surge protective device (SPD) / according to UL</td> <td>4CA</td>	type of surge protective device (SPD) / according to UL	4CA
designation of the protective paths / according to UL       L-L, L-N, L-G, N-G         TOV behavior       415 V AC (5 s / withstand mode) / 457 V AC (120 min / safe failure mode)         • at TOV test voltage (N-PE)       1200 V (200 ms / withstand mode)         Measured Limiting Voltage (MLV) / between L and L       2.47 kV         Measured Limiting Voltage (MLV) / between L and Ground (SND)       1.55 kV         Measured Limiting Voltage (MLV) / between L and N       1.34 kV         Measured Limiting Voltage (MLV) / between N and Ground (GND)       528 V         Maximum Continuous Operating Voltage (MCOV) / between N and L       528 V         Maximum Continuous Operating Voltage (MCOV) / between L and N       264 V         Maximum Continuous Operating Voltage (MCOV) / between L and N       264 V         Maximum Continuous Operating Voltage (MCOV) / between N and Ground (GND)       264 V         Ieakage current / according to UL       20 kA         Ieakage	type of distribution system / according to UL	3Y
TOV behavior <ul> <li>at TOV test voltage (L-N)</li> <li>at TOV test voltage (N-PE)</li> <li>1200 V (200 ms / withstand mode)</li> </ul> Measured Limiting Voltage (MLV) / between L and L       2.47 kV         Measured Limiting Voltage (MLV) / between L and Ground (GND)       1.55 kV         Measured Limiting Voltage (MLV) / between L and N       1.34 kV         Measured Limiting Voltage (MLV) / between L and N       1.34 kV         Measured Limiting Voltage (MLV) / between N and Ground (GND)       528 V         Maximum Continuous Operating Voltage (MCOV) / between L and L       528 V         Maximum Continuous Operating Voltage (MCOV) / between L and Ground (GND)       528 V         Maximum Continuous Operating Voltage (MCOV) / between L and Ground (GND)       524 V         Ieakage current / according to UL       20 kA         Ieakage current / according to UL	type of distribution system	TT, TN-S
<ul> <li>at TOV test voltage (L-N)</li> <li>at TOV test voltage (N-PE)</li> <li>1200 V (200 ms / withstand mode) / 457 V AC (120 min / safe failure mode)</li> <li>at TOV test voltage (MLV) / between L and L</li> <li>2.47 kV</li> <li>Measured Limiting Voltage (MLV) / between L and Ground (GND)</li> <li>Measured Limiting Voltage (MLV) / between L and N</li> <li>1.34 kV</li> <li>Measured Limiting Voltage (MLV) / between N and Ground (GND)</li> <li>Maximum Continuous Operating Voltage (MCOV) / between L and L</li> <li>Maximum Continuous Operating Voltage (MCOV) / between L and N</li> <li>Maximum Continuous Operating Voltage (MCOV) / between L and N</li> <li>Maximum Continuous Operating Voltage (MCOV) / between L and N</li> <li>Maximum Continuous Operating Voltage (MCOV) / between L and N</li> <li>Maximum Continuous Operating Voltage (MCOV) / between L and N</li> <li>Maximum Continuous Operating Voltage (MCOV) / between L and N</li> <li>Maximum Continuous Operating Voltage (MCOV) / between L and N</li> <li>Maximum Continuous Operating Voltage (MCOV) / 264 V</li> <li>between L and Ground (GND)</li> <li>Leakage current / according to UL</li> <li>20 kA</li> <li>Leakage current / according to UL</li> <li>20 kA</li></ul>	designation of the protective paths / according to UL	L-L, L-N, L-G, N-G
• at TOV test voltage (N-PE)mode)Measured Limiting Voltage (MLV) / between L and L2.47 kVMeasured Limiting Voltage (MLV) / between L and Ground (GND)1.55 kVMeasured Limiting Voltage (MLV) / between L and N1.34 kVMeasured Limiting Voltage (MLV) / between N and Ground (GND)1.08 kVMaximum Continuous Operating Voltage (MCOV) / between L and L528 VMaximum Continuous Operating Voltage (MCOV) / between L and Ground (GND)528 VMaximum Continuous Operating Voltage (MCOV) / between L and R264 VMaximum Continuous Operating Voltage (MCOV) / between L and N264 VMaximum Continuous Operating Voltage (MCOV) / between L and N264 VMaximum Continuous Operating Voltage (MCOV) / between L and N20 kAIeakage current / according to UL20 kAIeakage current / according to UL20 kAIeakage current / ecording to UL20 kAIeakage current / ebtween N and Ground (GND) / according to UL200 kAIeakage current / ebtween N and Ground (GND) / according to UL200 kAIeakage current / ebtween N and Ground (GND) / according to UL200 kAIeakage current / ebtween N and Ground (GND) / according to UL200 kAIeakage current / ebtween N and Ground (GND) / according to UL200 A (264 V AC)ibetween N and Ground (GND) / according to UL200 A (264 V AC)ibetween N and Ground (GND) / according to UL200 A (264 V AC)ibetween L and N / according to UL200 A (264 V AC)ibetween L and N / according to UL200 A (264 V AC)		
Measured Limiting Voltage (MLV) / between L and L       2.47 kV         Measured Limiting Voltage (MLV) / between L and Ground (GND)       1.55 kV         Measured Limiting Voltage (MLV) / between L and N       1.34 kV         Measured Limiting Voltage (MLV) / between N and Ground (GND)       1.08 kV         Maximum Continuous Operating Voltage (MCOV) / between L and L       528 V         Maximum Continuous Operating Voltage (MCOV) / between L and Ground (GND)       528 V         Maximum Continuous Operating Voltage (MCOV) / between L and Ground (GND)       528 V         Maximum Continuous Operating Voltage (MCOV) / between L and N       264 V         Maximum Continuous Operating Voltage (MCOV) / between N and Ground (GND)       264 V         Ieakage current / according to UL       20 kA         Ieakage current / according to UL       20 kA <td></td> <td></td>		
Measured Limiting Voltage (MLV) / between L and Ground (GND)       1.55 kV         Measured Limiting Voltage (MLV) / between L and N       1.34 kV         Measured Limiting Voltage (MLV) / between N and Ground (GND)       1.08 kV         Maximum Continuous Operating Voltage (MCOV) / between L and L       528 V         Maximum Continuous Operating Voltage (MCOV) / between L and Ground (GND)       528 V         Maximum Continuous Operating Voltage (MCOV) / between L and Ground (GND)       264 V         Maximum Continuous Operating Voltage (MCOV) / between N and Ground (GND)       264 V         Ieakage current / according to UL       20 kA	TOV behavior	
(GND)Measured Limiting Voltage (MLV) / between L and N1.34 kVMeasured Limiting Voltage (MLV) / between N and Ground (GND)1.08 kVMaximum Continuous Operating Voltage (MCOV) / between L and L528 VMaximum Continuous Operating Voltage (MCOV) / between L and Ground (GND)528 VMaximum Continuous Operating Voltage (MCOV) / between L and N264 VMaximum Continuous Operating Voltage (MCOV) / between L and N264 VMaximum Continuous Operating Voltage (MCOV) / between N and Ground (GND)20 kAIeakage current / according to UL20 kAIeakage Lurent10 kA (264 V AC)Ieakage Lurent10 kA (264 V AC)	TOV behavior • at TOV test voltage (L-N)	mode)
Measured Limiting Voltage (MLV) / between N and Ground (GND)       1.08 kV         Maximum Continuous Operating Voltage (MCOV) / between L and L       528 V         Maximum Continuous Operating Voltage (MCOV) / between L and Ground (GND)       528 V         Maximum Continuous Operating Voltage (MCOV) / between L and N       264 V         Maximum Continuous Operating Voltage (MCOV) / between N and Ground (GND)       264 V         Ieakage current / according to UL       20 kA	TOV behavior • at TOV test voltage (L-N) • at TOV test voltage (N-PE)	mode) 1200 V (200 ms / withstand mode)
Ground (GND)SectorMaximum Continuous Operating Voltage (MCOV) / between L and L528 VMaximum Continuous Operating Voltage (MCOV) / between L and Ground (GND)528 VMaximum Continuous Operating Voltage (MCOV) / between L and N264 VMaximum Continuous Operating Voltage (MCOV) / between N and Ground (GND)264 VIeakage current / according to UL20 kAIeakage current / according to UL20 kA (264 V AC)Ieakage current / according to UL20 kA (264 V AC)<	TOV behavior • at TOV test voltage (L-N) • at TOV test voltage (N-PE) Measured Limiting Voltage (MLV) / between L and L Measured Limiting Voltage (MLV) / between L and Ground (GND)	mode) 1200 V (200 ms / withstand mode) 2.47 kV 1.55 kV
between L and L       Maximum Continuous Operating Voltage (MCOV) / between L and Ground (GND)       528 V         Maximum Continuous Operating Voltage (MCOV) / between L and N       264 V         Maximum Continuous Operating Voltage (MCOV) / between N and Ground (GND)       264 V         leakage current / according to UL       20 kA         between N and Ground (GND) / according to UL       20 kA         sequential current       200 A (264 V AC)         between L and N / according to UL       10 kA (264 V AC)	TOV behavior • at TOV test voltage (L-N) • at TOV test voltage (N-PE) Measured Limiting Voltage (MLV) / between L and L Measured Limiting Voltage (MLV) / between L and Ground (GND) Measured Limiting Voltage (MLV) / between L and N	mode) 1200 V (200 ms / withstand mode) 2.47 kV 1.55 kV 1.34 kV
between L and Ground (GND)       264 V         Maximum Continuous Operating Voltage (MCOV) / between L and N       264 V         Maximum Continuous Operating Voltage (MCOV) / between N and Ground (GND)       264 V         leakage current / according to UL       20 kA         between N and Ground (GND) / according to UL       20 kA         sequential current       200 A (264 V AC)         between L and N / according to UL       10 kA (264 V AC)	TOV behavior • at TOV test voltage (L-N) • at TOV test voltage (N-PE) Measured Limiting Voltage (MLV) / between L and L Measured Limiting Voltage (MLV) / between L and Ground (GND) Measured Limiting Voltage (MLV) / between L and N Measured Limiting Voltage (MLV) / between N and Ground (GND)	mode) 1200 V (200 ms / withstand mode) 2.47 kV 1.55 kV 1.34 kV 1.08 kV
between L and N         Maximum Continuous Operating Voltage (MCOV) / between N and Ground (GND)       264 V         leakage current / according to UL       20 kA         between N and Ground (GND) / according to UL       200 A (264 V AC)         • between L and N / according to UL       10 kA (264 V AC)	TOV behavior • at TOV test voltage (L-N) • at TOV test voltage (N-PE) Measured Limiting Voltage (MLV) / between L and L Measured Limiting Voltage (MLV) / between L and Ground (GND) Measured Limiting Voltage (MLV) / between L and N Measured Limiting Voltage (MLV) / between N and Ground (GND) Maximum Continuous Operating Voltage (MCOV) / between L and L	mode) 1200 V (200 ms / withstand mode) 2.47 kV 1.55 kV 1.34 kV 1.08 kV 528 V
between N and Ground (GND)       20 kA         leakage current / according to UL       20 kA         between N and Ground (GND) / according to UL       200 A (264 V AC)         between L and N / according to UL       10 kA (264 V AC)	TOV behavior • at TOV test voltage (L-N) • at TOV test voltage (N-PE) Measured Limiting Voltage (MLV) / between L and L Measured Limiting Voltage (MLV) / between L and Ground (GND) Measured Limiting Voltage (MLV) / between L and N Measured Limiting Voltage (MLV) / between N and Ground (GND) Maximum Continuous Operating Voltage (MCOV) / between L and L Maximum Continuous Operating Voltage (MCOV) / between L and Ground (GND)	mode) 1200 V (200 ms / withstand mode) 2.47 kV 1.55 kV 1.34 kV 1.08 kV 528 V 528 V
leakage current / according to UL       20 kA         sequential current       20 kA         • between N and Ground (GND) / according to UL       200 A (264 V AC)         • between L and N / according to UL       10 kA (264 V AC)	TOV behavior • at TOV test voltage (L-N) • at TOV test voltage (N-PE) Measured Limiting Voltage (MLV) / between L and L Measured Limiting Voltage (MLV) / between L and Ground (GND) Measured Limiting Voltage (MLV) / between L and N Measured Limiting Voltage (MLV) / between N and Ground (GND) Maximum Continuous Operating Voltage (MCOV) / between L and L Maximum Continuous Operating Voltage (MCOV) / between L and Ground (GND) Maximum Continuous Operating Voltage (MCOV) / between L and Ground (GND)	mode) 1200 V (200 ms / withstand mode) 2.47 kV 1.55 kV 1.34 kV 1.08 kV 528 V 528 V
leakage current / according to UL       20 kA         leakage current / according to UL       20 kA         sequential current       20 kA         • between N and Ground (GND) / according to UL       200 A (264 V AC)         • between L and N / according to UL       10 kA (264 V AC)	TOV behavior • at TOV test voltage (L-N) • at TOV test voltage (N-PE) Measured Limiting Voltage (MLV) / between L and L Measured Limiting Voltage (MLV) / between L and Ground (GND) Measured Limiting Voltage (MLV) / between L and N Measured Limiting Voltage (MLV) / between N and Ground (GND) Maximum Continuous Operating Voltage (MCOV) / between L and L Maximum Continuous Operating Voltage (MCOV) / between L and Ground (GND) Maximum Continuous Operating Voltage (MCOV) / between L and Ground (GND) Maximum Continuous Operating Voltage (MCOV) / between L and N Maximum Continuous Operating Voltage (MCOV) / between N and Ground (GND)	mode) 1200 V (200 ms / withstand mode) 2.47 kV 1.55 kV 1.34 kV 1.08 kV 528 V 528 V 264 V 264 V
leakage current / according to UL       20 kA         sequential current       200 A (264 V AC)         • between N and Ground (GND) / according to UL       200 A (264 V AC)         • between L and N / according to UL       10 kA (264 V AC)	TOV behavior • at TOV test voltage (L-N) • at TOV test voltage (N-PE) Measured Limiting Voltage (MLV) / between L and L Measured Limiting Voltage (MLV) / between L and Ground (GND) Measured Limiting Voltage (MLV) / between L and N Measured Limiting Voltage (MLV) / between N and Ground (GND) Maximum Continuous Operating Voltage (MCOV) / between L and L Maximum Continuous Operating Voltage (MCOV) / between L and Ground (GND) Maximum Continuous Operating Voltage (MCOV) / between L and Ground (GND) Maximum Continuous Operating Voltage (MCOV) / between L and N Maximum Continuous Operating Voltage (MCOV) / between N and Ground (GND)	mode) 1200 V (200 ms / withstand mode) 2.47 kV 1.55 kV 1.34 kV 1.08 kV 528 V 528 V 264 V 264 V
sequential current         • between N and Ground (GND) / according to UL         200 A (264 V AC)         • between L and N / according to UL         10 kA (264 V AC)	TOV behavior • at TOV test voltage (L-N) • at TOV test voltage (N-PE) Measured Limiting Voltage (MLV) / between L and L Measured Limiting Voltage (MLV) / between L and Ground (GND) Measured Limiting Voltage (MLV) / between L and N Measured Limiting Voltage (MLV) / between N and Ground (GND) Maximum Continuous Operating Voltage (MCOV) / between L and L Maximum Continuous Operating Voltage (MCOV) / between L and Ground (GND) Maximum Continuous Operating Voltage (MCOV) / between L and Ground (GND) Maximum Continuous Operating Voltage (MCOV) / between N and Ground (GND) leakage current / according to UL	mode) 1200 V (200 ms / withstand mode) 2.47 kV 1.55 kV 1.34 kV 1.08 kV 528 V 528 V 264 V 264 V 264 V
between N and Ground (GND) / according to UL     200 A (264 V AC)     between L and N / according to UL     10 kA (264 V AC)	TOV behavior • at TOV test voltage (L-N) • at TOV test voltage (N-PE) Measured Limiting Voltage (MLV) / between L and L Measured Limiting Voltage (MLV) / between L and Ground (GND) Measured Limiting Voltage (MLV) / between L and N Measured Limiting Voltage (MLV) / between N and Ground (GND) Maximum Continuous Operating Voltage (MCOV) / between L and L Maximum Continuous Operating Voltage (MCOV) / between L and Ground (GND) Maximum Continuous Operating Voltage (MCOV) / between L and Ground (GND) Maximum Continuous Operating Voltage (MCOV) / between L and N Maximum Continuous Operating Voltage (MCOV) / between N and Ground (GND) leakage current / according to UL	mode) 1200 V (200 ms / withstand mode) 2.47 kV 1.55 kV 1.34 kV 1.08 kV 528 V 528 V 264 V 264 V 20 kA 20 kA
between L and N / according to UL     10 kA (264 V AC)	TOV behavior • at TOV test voltage (L-N) • at TOV test voltage (N-PE) Measured Limiting Voltage (MLV) / between L and L Measured Limiting Voltage (MLV) / between L and Ground (GND) Measured Limiting Voltage (MLV) / between L and N Measured Limiting Voltage (MLV) / between N and Ground (GND) Maximum Continuous Operating Voltage (MCOV) / between L and L Maximum Continuous Operating Voltage (MCOV) / between L and Ground (GND) Maximum Continuous Operating Voltage (MCOV) / between L and Ground (GND) Maximum Continuous Operating Voltage (MCOV) / between L and N Maximum Continuous Operating Voltage (MCOV) / between N and Ground (GND) leakage current / according to UL leakage current / according to UL leakage current / according to UL	mode) 1200 V (200 ms / withstand mode) 2.47 kV 1.55 kV 1.34 kV 1.08 kV 528 V 528 V 264 V 264 V 264 V 20 kA 20 kA 20 kA
	TOV behavior • at TOV test voltage (L-N) • at TOV test voltage (N-PE) Measured Limiting Voltage (MLV) / between L and L Measured Limiting Voltage (MLV) / between L and Ground (GND) Measured Limiting Voltage (MLV) / between L and N Measured Limiting Voltage (MLV) / between N and Ground (GND) Maximum Continuous Operating Voltage (MCOV) / between L and L Maximum Continuous Operating Voltage (MCOV) / between L and Ground (GND) Maximum Continuous Operating Voltage (MCOV) / between L and Ground (GND) Maximum Continuous Operating Voltage (MCOV) / between N and Ground (GND) leakage current / according to UL leakage current / according to UL leakage current / according to UL sequential current	mode) 1200 V (200 ms / withstand mode) 2.47 kV 1.55 kV 1.34 kV 1.08 kV 528 V 528 V 264 V 264 V 264 V 20 kA 20 kA 20 kA
	TOV behavior • at TOV test voltage (L-N) • at TOV test voltage (N-PE) Measured Limiting Voltage (MLV) / between L and L Measured Limiting Voltage (MLV) / between L and Ground (GND) Measured Limiting Voltage (MLV) / between L and N Measured Limiting Voltage (MLV) / between N and Ground (GND) Maximum Continuous Operating Voltage (MCOV) / between L and L Maximum Continuous Operating Voltage (MCOV) / between L and Ground (GND) Maximum Continuous Operating Voltage (MCOV) / between L and Ground (GND) Maximum Continuous Operating Voltage (MCOV) / between N and Ground (GND) leakage current / according to UL leakage current / according to UL leakage current / according to UL sequential current • between N and Ground (GND) / according to UL	mode) 1200 V (200 ms / withstand mode) 2.47 kV 1.55 kV 1.34 kV 1.08 kV 528 V 528 V 264 V 264 V 264 V 20 kA 20 kA 20 kA 20 kA 20 kA
AWG number / as coded connectable conductor cross 30 section / for remote signaling contacts / according to UL /	TOV behavior • at TOV test voltage (L-N) • at TOV test voltage (N-PE) Measured Limiting Voltage (MLV) / between L and L Measured Limiting Voltage (MLV) / between L and Ground (GND) Measured Limiting Voltage (MLV) / between L and N Measured Limiting Voltage (MLV) / between N and Ground (GND) Maximum Continuous Operating Voltage (MCOV) / between L and L Maximum Continuous Operating Voltage (MCOV) / between L and Ground (GND) Maximum Continuous Operating Voltage (MCOV) / between L and Ground (GND) Maximum Continuous Operating Voltage (MCOV) / between N and Ground (GND) leakage current / according to UL leakage current / according to UL leakage current / according to UL sequential current • between N and Ground (GND) / according to UL • between L and N / according to UL	mode) 1200 V (200 ms / withstand mode) 2.47 kV 1.55 kV 1.34 kV 1.08 kV 528 V 528 V 264 V 264 V 20 kA 20 kA 20 kA 20 kA 20 kA 20 kA

minimum	
AWG number / as coded connectable conductor cross section / for remote signaling contacts / according to UL / maximum	14
installation altitude above sea level / according to UL	6 562 ft
gross weight [lb] / according to UL	3.15 lb
net weight [lb] / according to UL	2.72 lb
combustibility class acc. to UL 94	V0
standards / according to UL	UL 1449 edition 4
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
AWG number / as coded connectable conductor cross section / according to UL / minimum	12
AWG number / as coded connectable conductor cross section / according to UL / maximum	2
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=5SD7444-1 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SD7444-1

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SD7444-1

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