



Product Service

# CERTIFICATE

No. B 118437 0002 Rev. 00

**Holder of Certificate:** **Bourns Inc**  
1200 Columbia Avenue  
Riverside CA 92507  
USA

**Certification Mark:**



**Product:** **Surge Protective Device  
(AC SPD)**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the Testing, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 64105223031403A

**Valid until:** 2028-10-26

**Date,** 2024-03-28

( Martin Ma )

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## Model(s):

1260-1S-120, 1260-1S-127, 1260-1S-230,  
 1260-1S-277, 1260-1S-400, 1260-1S-480,  
 1260-1S-690, 1260-2S-120, 1260-2S-127,  
 1260-2S-230, 1260-2S-277, 1260-2S-400,  
 1260-2S-480, 1260-2S-690, 1260-3S-120,  
 1260-3S-127, 1260-3S-230, 1260-3S-277,  
 1260-3S-400, 1260-3S-480, 1260-3S-690,  
 1260-4S-120, 1260-4S-127, 1260-4S-230,  
 1260-4S-277, 1260-4S-400, 1260-4S-480,  
 1260-4S-690, 1260-2NS-120, 1260-2NS-127,  
 1260-2NS-230, 1260-2NS-277, 1260-2NS-400,  
 1260-4NS-120, 1260-4NS-127, 1260-4NS-230,  
 1260-4NS-277, 1260-4NS-400, 1260-1SMG-120,  
 1260-1SMG-127, 1260-1SMG-230, 1260-1SMG-277,  
 1260-1SMG-400, 1260-1SMG-480, 1260-1SMG-690,  
 1260-2SMG-120, 1260-2SMG-127, 1260-2SMG-230,  
 1260-2SMG-277, 1260-2SMG-400, 1260-2SMG-480,  
 1260-2SMG-690, 1260-3SMG-120, 1260-3SMG-127,  
 1260-3SMG-230, 1260-3SMG-277, 1260-3SMG-400,  
 1260-3SMG-480, 1260-3SMG-690, 1260-4SMG-120,  
 1260-4SMG-127, 1260-4SMG-230, 1260-4SMG-277,  
 1260-4SMG-400, 1260-4SMG-480, 1260-4SMG-690,  
 1260-2NSMG-120, 1260-2NSMG-127,  
 1260-2NSMG-230, 1260-2NSMG-277,  
 1260-2NSMG-400, 1260-4NSMG-120,  
 1260-4NSMG-127, 1260-4NSMG-230,  
 1260-4NSMG-277, 1260-4NSMG-400, 1260-120,  
 1260-127, 1260-230, 1260-277, 1260-400, 1260-480,  
 1260-690, 1260-NS-150/G50, 1260-NS-255/G50,  
 1260-NS-440/G50, 1260-NS-150/G100,  
 1260-NS-255/G100, 1260-NS-440/G100

## Parameters:

SPD type:	Class I+Class II
Maximum continuous operating voltage $U_c$ :	See model list
Impulse discharge current $I_{imp}$ :	See model list
Nominal discharge current $I_n$ :	See model list
Maximum discharge current $I_{max}$ :	See model list
Voltage protection level $U_p$ :	See model list
Number of ports:	One port
Mounting method:	Fixed
Degree of protection:	IP20(after proper installation)
Altitude:	+4000 m to -500m

**Tested according to:** EN 61643-11:2012/A11:2018  
 IEC 61643-11:2011

# CERTIFICATE

No. B 118437 0002 Rev. 00

## Parameters:

Model/Type reference	Mode of protection	SPD design topology	Uc(Vac)	In(kA)	I <sub>max</sub> (kA)	I <sub>imp</sub> (kA)	Up(kV)	No. of pole(s)
1260-1S-120	L-N, L-PE or N-PE	1+0	150	25	100	25	0.8	1
1260-1S-127	L-N, L-PE or N-PE	1+0	180	25	100	25	1.0	1
1260-1S-230	L-N, L-PE or N-PE	1+0	275	25	100	25	1.2	1
1260-1S-277	L-N, L-PE or N-PE	1+0	350	25	100	25	1.5	1
1260-1S-400	L-N, L-PE or N-PE	1+0	440	25	100	25	2.0	1
1260-1S-480	L-N, L-PE or N-PE	1+0	600	25	100	15	2.5	1
1260-1S-690	L-N, L-PE or N-PE	1+0	750	25	100	12.5	2.8	1
1260-NS-150/G50	N-PE	0+1	150	50	100	50	1.5	1
1260-NS-255/G50	N-PE	0+1	255	50	100	50	1.5	1
1260-NS-440/G50	N-PE	0+1	440	50	100	50	2.0	1
1260-NS-150/G100	N-PE	0+1	150	100	150	100	1.5	1
1260-NS-255/G100	N-PE	0+1	255	100	150	100	1.5	1
1260-NS-440/G100	N-PE	0+1	440	100	150	100	2.0	1
1260-2S-120	L-PE, N-PE	2+0	150	25	100	25	0.8	2
1260-2S-127	L-PE, N-PE	2+0	180	25	100	25	1.0	2
1260-2S-230	L-PE, N-PE	2+0	275	25	100	25	1.2	2
1260-2S-277	L-PE, N-PE	2+0	350	25	100	25	1.5	2
1260-2S-400	L-PE, N-PE	2+0	440	25	100	25	2.0	2
1260-2S-480	L-PE, N-PE	2+0	600	25	100	15	2.5	2
1260-2S-690	L-PE, N-PE	2+0	750	25	100	12.5	2.8	2
1260-2NS-120	L-N, N-PE	1+1	150(L-N) 150(N-PE)	25(L-N) 50(N-PE)	100(L-N) 100(N-PE)	25(L-N) 50(N-PE)	0.8(L-N) 1.5(N-PE)	2
1260-2NS-127	L-N, N-PE	1+1	180(L-N) 150(N-PE)	25(L-N) 50(N-PE)	100(L-N) 100(N-PE)	25(L-N) 50(N-PE)	1.0(L-N) 1.5(N-PE)	2
1260-2NS-230	L-N, N-PE	1+1	275(L-N) 255(N-PE)	25(L-N) 50(N-PE)	100(L-N) 100(N-PE)	25(L-N) 50(N-PE)	1.2(L-N) 1.5(N-PE)	2
1260-2NS-277	L-N, N-PE	1+1	350(L-N) 255(N-PE)	25(L-N) 50(N-PE)	100(L-N) 100(N-PE)	25(L-N) 50(N-PE)	1.5(L-N) 1.5(N-PE)	2
1260-2NS-400	L-N, N-PE	1+1	440(L-N) 440(N-PE)	25(L-N) 50(N-PE)	100(L-N) 100(N-PE)	25(L-N) 50(N-PE)	2.0(L-N) 2.0(N-PE)	2
1260-3S-120	L-PE	3+0	150	25	100	25	0.8	3
1260-3S-127	L-PE	3+0	180	25	100	25	1.0	3
1260-3S-230	L-PE	3+0	275	25	100	25	1.2	3
1260-3S-277	L-PE	3+0	350	25	100	25	1.5	3
1260-3S-400	L-PE	3+0	440	25	100	25	2.0	3
1260-3S-480	L-PE	3+0	600	25	100	15	2.5	3
1260-3S-690	L-PE	3+0	750	25	100	12.5	2.8	3

# CERTIFICATE

No. B 118437 0002 Rev. 00

1260-4S-120	L-PE, N-PE	4+0	150	25	100	25	0.8	4
1260-4S-127	L-PE, N-PE	4+0	180	25	100	25	1.0	4
1260-4S-230	L-PE, N-PE	4+0	275	25	100	25	1.2	4
1260-4S-277	L-PE, N-PE	4+0	350	25	100	25	1.5	4
1260-4S-400	L-PE, N-PE	4+0	440	25	100	25	2.0	4
1260-4S-480	L-PE, N-PE	4+0	600	25	100	15	2.5	4
1260-4S-690	L-PE, N-PE	4+0	750	25	100	12.5	2.8	4
1260-4NS-120	L-N, N-PE	3+1	150(L-N) 150(N-PE)	25(L-N) 100(N-PE)	100(L-N) 150(N-PE)	25(L-N) 100(N-PE)	0.8(L-N) 1.5(N-PE)	4
1260-4NS-127	L-N, N-PE	3+1	180(L-N) 150(N-PE)	25(L-N) 100(N-PE)	100(L-N) 150(N-PE)	25(L-N) 100(N-PE)	1.0(L-N) 1.5(N-PE)	4
1260-4NS-230	L-N, N-PE	3+1	275(L-N) 255(N-PE)	25(L-N) 100(N-PE)	100(L-N) 150(N-PE)	25(L-N) 100(N-PE)	1.2(L-N) 1.5(N-PE)	4
1260-4NS-277	L-N, N-PE	3+1	350(L-N) 255(N-PE)	25(L-N) 100(N-PE)	100(L-N) 150(N-PE)	25(L-N) 100(N-PE)	1.5(L-N) 1.5(N-PE)	4
1260-4NS-400	L-N, N-PE	3+1	440(L-N) 440(N-PE)	25(L-N) 50(N-PE)	100(L-N) 150(N-PE)	25(L-N) 100(N-PE)	2.0(L-N) 2.0(N-PE)	4
1260-120	L-N, L-PE or N-PE	1+0	150	25	100	25	0.8	1
1260-127	L-N, L-PE or N-PE	1+0	180	25	100	25	1.0	1
1260-230	L-N, L-PE or N-PE	1+0	275	25	100	25	1.2	1
1260-277	L-N, L-PE or N-PE	1+0	350	25	100	25	1.5	1
1260-400	L-N, L-PE or N-PE	1+0	440	25	100	25	2.0	1
1260-480	L-N, L-PE or N-PE	1+0	600	25	100	15	2.5	1
1260-690	L-N, L-PE or N-PE	1+0	750	25	100	12.5	2.8	1
1260-1SMG-120	L-N, L-PE or N-PE	1+0	150	25	100	25	0.7	1
1260-1SMG-127	L-N, L-PE or N-PE	1+0	180	25	100	25	0.8	1
1260-1SMG-230	L-N, L-PE or N-PE	1+0	275	25	100	25	1.0	1
1260-1SMG-277	L-N, L-PE or N-PE	1+0	350	25	100	25	1.4	1
1260-1SMG-400	L-N, L-PE or N-PE	1+0	440	25	100	25	1.8	1
1260-1SMG-480	L-N, L-PE or N-PE	1+0	600	25	100	15	2.2	1
1260-1SMG-690	L-N, L-PE or N-PE	1+0	750	25	100	12.5	2.5	1
1260-2SMG-120	L-PE, N-PE	2+0	150	25	100	25	0.7	2
1260-2SMG-127	L-PE, N-PE	2+0	180	25	100	25	0.8	2
1260-2SMG-230	L-PE, N-PE	2+0	275	25	100	25	1.0	2

# CERTIFICATE

No. B 118437 0002 Rev. 00

1260-2SMG-277	L-PE, N-PE	2+0	350	25	100	25	1.4	2
1260-2SMG-400	L-PE, N-PE	2+0	440	25	100	25	1.8	2
1260-2SMG-480	L-PE, N-PE	2+0	600	25	100	15	2.2	2
1260-2SMG-690	L-PE, N-PE	2+0	750	25	100	12.5	2.5	2
1260-2NSMG-120	L-N, N-PE	1+1	150(L-N) 150(N-PE)	25(L-N) 50(N-PE)	100(L-N) 100(N-PE)	25(L-N) 50(N-PE)	0.7(L-N) 1.5(N-PE)	2
1260-2NSMG-127	L-N, N-PE	1+1	180(L-N) 150(N-PE)	25(L-N) 50(N-PE)	100(L-N) 100(N-PE)	25(L-N) 50(N-PE)	0.8(L-N) 1.5(N-PE)	2
1260-2NSMG-230	L-N, N-PE	1+1	275(L-N) 255(N-PE)	25(L-N) 50(N-PE)	100(L-N) 100(N-PE)	25(L-N) 50(N-PE)	1.0(L-N) 1.5(N-PE)	2
1260-2NSMG-277	L-N, N-PE	1+1	350(L-N) 255(N-PE)	25(L-N) 50(N-PE)	100(L-N) 100(N-PE)	25(L-N) 50(N-PE)	1.4(L-N) 1.5(N-PE)	2
1260-2NSMG-400	L-N, N-PE	1+1	440(L-N) 440(N-PE)	25(L-N) 50(N-PE)	100(L-N) 100(N-PE)	25(L-N) 50(N-PE)	1.8(L-N) 2.0(N-PE)	2
1260-3SMG-120	L-PE	3+0	150	25	100	25	0.7	3
1260-3SMG-127	L-PE	3+0	180	25	100	25	0.8	3
1260-3SMG-230	L-PE	3+0	275	25	100	25	1.0	3
1260-3SMG-277	L-PE	3+0	350	25	100	25	1.4	3
1260-3SMG-400	L-PE	3+0	440	25	100	25	1.8	3
1260-3SMG-480	L-PE	3+0	600	25	100	15	2.2	3
1260-3SMG-690	L-PE	3+0	750	25	100	12.5	2.5	3
1260-4SMG-120	L-PE, N-PE	4+0	150	25	100	25	0.7	4
1260-4SMG-127	L-PE, N-PE	4+0	180	25	100	25	0.8	4
1260-4SMG-230	L-PE, N-PE	4+0	275	25	100	25	1.0	4
1260-4SMG-277	L-PE, N-PE	4+0	350	25	100	25	1.4	4
1260-4SMG-400	L-PE, N-PE	4+0	440	25	100	25	1.8	4
1260-4SMG-480	L-PE, N-PE	4+0	600	25	100	15	2.2	4
1260-4SMG-690	L-PE, N-PE	4+0	750	25	100	12.5	2.5	4
1260-4NSMG-120	L-N, N-PE	3+1	150(L-N) 150(N-PE)	25(L-N) 100(N-PE)	100(L-N) 150(N-PE)	25(L-N) 100(N-PE)	0.7(L-N) 1.5(N-PE)	4
1260-4NSMG-127	L-N, N-PE	3+1	180(L-N) 150(N-PE)	25(L-N) 100(N-PE)	100(L-N) 150(N-PE)	25(L-N) 100(N-PE)	0.8(L-N) 1.5(N-PE)	4
1260-4NSMG-230	L-N, N-PE	3+1	275(L-N) 255(N-PE)	25(L-N) 100(N-PE)	100(L-N) 150(N-PE)	25(L-N) 100(N-PE)	1.0(L-N) 1.5(N-PE)	4
1260-4NSMG-277	L-N, N-PE	3+1	350(L-N) 255(N-PE)	25(L-N) 100(N-PE)	100(L-N) 150(N-PE)	25(L-N) 100(N-PE)	1.4(L-N) 1.5(N-PE)	4
1260-4NSMG-400	L-N, N-PE	3+1	440(L-N) 440(N-PE)	25(L-N) 100(N-PE)	100(L-N) 150(N-PE)	25(L-N) 100(N-PE)	1.8(L-N) 2.0(N-PE)	4