

NH Fuse Bases for Photovoltaic Fuse Links

250-630A, 1500Vdc (IEC)/1000Vdc (UL/CSA), Sizes 1 to 3



Description: Sizes 1 to 3 NH fuse bases specifically designed for use with Bussmann NH PV (Photovoltaic) fuse links.

Catalogue Symbol: SD(size)-D-PV

Ratings:

- Volts: — 1500Vdc (IEC)
- 1000Vdc (UL)
- Amps: — 250A (SD1)
- 400A (SD2)
- 630A (SD3)

Withstand: — 50kA

Power Acceptance:

- SD1 — 32W
- SD2 — 45W
- SD3 — 60W

Agency information:

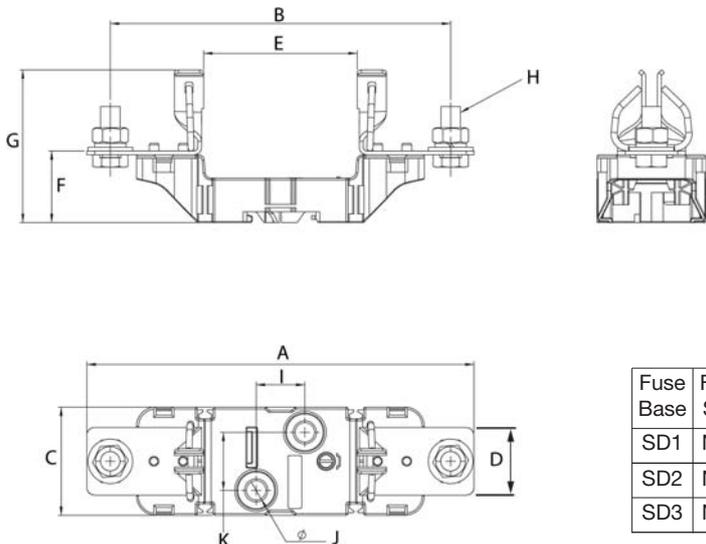
IEC 60269-1
UL Listed - UL File # E348242
CSA File 47235

Catalogue Numbers:

SD1-D-PV SD2-D-PV SD3-D-PV

Carton Quantity: 3

Dimensions (mm) 1-Pole, Sizes 1, 2 and 3



Fuse Base	Fuse Size	A	B	C	D	E	F	G	H	I	J	K
SD1	NH1	199	175	56	35	79	37	78	M10x25	25	10	30
SD2	NH2	224	199	56	35	79	37.5	86	M10x25	25	10	30
SD3	NH3	239	209	56	36	82	37.5	88	M12x30	25	10	30

Recommended Bussmann Fuses:

PV-(amps)ANH1 (see data sheet 10152)

Accessories:

- Microswitches - 170H0236 or 170H0238, BVL50
- Shroud Kit - SD12-SK, SD3-SK
- Phase Barriers - SD12-PB, SD3-PB
- Neutral Links - SDL-1, SDL-2, SDL-3
- Fuse Extraction Handle - FEH

Protection Level:

IEC - IP20 with shroud kit installed and shielding of any exposed terminal lug parts.

UL - Installation of shroud kit decreases the likelihood of incidental terminal contact. To ensure compliance to IP20 specifications per UL the installer must make additional provisions.

Temperature Range:

- Operating — IEC Standards -20°C to 70°C
- UL -20°C to 90°C Max*
- Storage — IEC and UL -40°C to 90°C

* Dependent upon rating of customer supplied lugs

Derating Factors for Maximum Current:

Ambient	Derating Factor
≤ 35°C	1.00
40°C	0.95
50°C	0.85

Terminal/Lug Mounting Torque: 32N•m (283.2Lb-In)

Flammability Rating: UL 94V0

Mounting:

- 35mm DIN-Rail
- Panel

Materials:

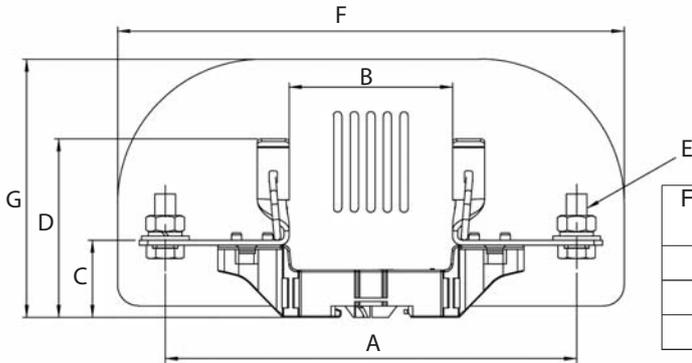
- Base — Glass-filled PBT
- Contacts — Silver-plated copper
- Hardware — Clear zinc-plated steel

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Dimensions (mm) with phase barriers 1-Pole, Sizes 1, 2 and 3



Fuse Base Series	Fuse Size	A	B	C	D	E	F	G
SD1	NH1	175	79	37	78	M10x25	245	125.5
SD2	NH2	199	79	37.5	86	M10x25	245	125.5
SD3	NH3	209	82	37.5	88	M12x30	260	137.5

Protection Accessories

Shroud Kits

Fuse Base Series	Fuse Size	Current (Amps)	Part Number	Description
SD1	NH1	250	SD12-SK	Kit includes 2 shrouds and 1 fuse cover
SD2	NH2	400	SD12-SK	
SD3	NH3	630	SD3-SK	



Shroud kit

Phase Barriers

Fuse Base Series	Fuse Size	Current (Amps)	Phase Barrier Kit		Description
			Part Number	Unit Packing	
SD1	NH1	250	SD12-PB	1	Kit includes: 2 phase barriers and 2 ganging links
SD2	NH2	400	SD12-PB	1	
SD3	NH3	630	SD3-PB	1	



Phase barrier



Ganging link

Fuse Extraction Handle

NH Fuse Range	Current (Amps)	Part Number	Unit Packing
NH00-3	250 - 630	FEH	1



Neutral Link Part Numbers

Fuse Base Series	Fuse Size	Current (Amps)	Part Number	Unit Packing
SD1	NH1	250	SDL-1	3
SD2	NH2	400	SDL-2	3
SD3	NH3	630	SDL-3	3

Microswitches

Part Number	Unit Packing	Ratings
BVL50	1	6A 250Vac
170H0236	12	2A 250Vac
170H0238	12	2A 250Vac

1-pole changeover microswitch suitable for the following NH fuse links:

- 400 Volts gG/gL
- 500 Volts gG/gL and aM
- 690 Volts gG/gL and aM
- 1000 and 1500 Volts DC gPV

Note: Microswitches fit onto the fuse gripping lugs and are applicable to all NH size Bussmann fuses.



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