

NH Fuse Bases and Accessories

160 - 1600A, 690Vac, Sizes 1 to 4



Catalogue Symbol:

SD(size)-D, SD(size)-S: 1-pole

TD(size)-D, TD(size)-DI: 3-pole

Standards/Approvals: IEC 60269-1 and 2, VDE 0636-1 and 2

Description: NH fuse bases with thermoplastic bodies, DIN rail and/or screw mounting (size 4 screw mounting only). Range of accessories including phase barriers, IP20 finger-safe protection kits and neutral links available. Microswitch also available for remote signaling of fuse link operation.

Packaging: 1-pole: 3, SD4 and 3-pole: 1
Packaging 100% recyclable

Technical Data:

Rated Voltage: 690Vac

Rated Current: 160 - 1600A

Rated for Fuse Links with Breaking Capacity: 120kA

Features

- Complies with IEC 60269-1 and 2 fuse system A (NH base), manufacturers type test certificates of compliance available.
- 3-pole integral NH00 base available with reduced width.
- Clip-in phase barriers, terminal shrouds and fuse covers available.
- Vibration tested to IEC 60068-2-6 for marine use

Fuse Base Part Numbers

Size	Poles	Current (Amps)	Part Numbers		Unit Packing	Compatible Fuse Links Size
			DIN Rail and Screw Mounting	Screw Mounting Only		
00	1-pole	160	SD00-D	SD00-S	3	400/500/690V NH gG and aM fuse links
	3-pole	160	TD00-D	N/A	1	
		160	TD00-DI*	N/A	1	
1	1-pole	250	SD1-D	SD1-S	3	
	3-pole	250	TD1-D	N/A	1	
2	1-pole	400	SD2-D	SD2-S	3	
		400	SD2-DD**	N/A	3	
	3-pole	400	TD2-D	N/A	1	
		400	TD2-DD**	N/A	1	
3	1-pole	630	SD3-D**	SD3-S	3	
	3-pole	630	TD3-D**	N/A	1	
4	1-pole	1250	N/A	SD4-S	1	
		1600	N/A	SD4-S1600	1	

* 3-pole integral base moulding.

** Double fuse contact clips.

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Neutral Link Part Numbers

Size	Current (Amps)	Part Number	Unit Packing
00	160	SDL-00	3
1	250	SDL-1	3
2	400	SDL-2	3
3	630	SDL-3	3

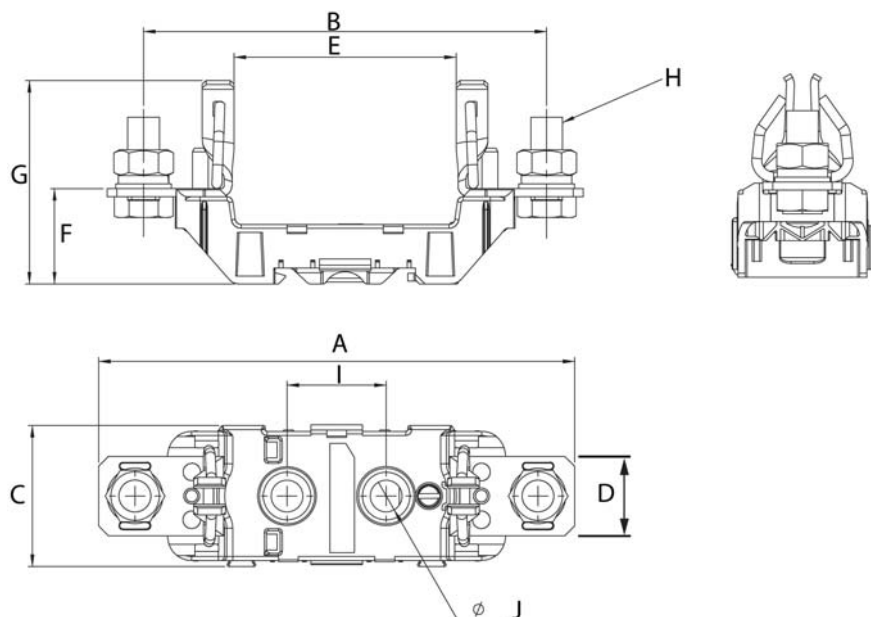
Technical Data

Fuse Base Part Numbers		SD00-D SD00-S TD00-D TD00-DI	SD1-D SD1-S TD1-D	SD2-D SD2-S SD2-DD TD2-D TD2-DD	SD3-D SD3-S TD3-D	SD4-S	SD4-S1600
Base		Glass filled PBT					
Contacts		Silver plated copper					
Screw, Nuts and Washers		Zinc clear plated steel					
Derating Temperature Factors For Maximum Current	≤ 35°C	1	1	1	1	1	1
	40°C	0.95	0.95	0.95	0.95	0.95	0.95
	50°C	0.85	0.85	0.85	0.85	0.85	0.85
Maximum Power Acceptance		12W	32W	45W	60W	110W	145W
Degree of Protection with Covers Fitted		IP20	IP20	IP20	IP20	-	-
Terminal Screw		M8	M10	M10	M12	M16	M16
Maximum Tightening Torque Terminal Screw		10N•m	32N•m	32N•m	32N•m	56N•m	56N•m
Fixing	Rail Din	✓	✓	✓	✓	x	x
	Screw	✓	✓	✓	✓	✓	✓
With Microswitch 16A/250V	Presence-Fusion	✓	✓	✓	✓	x	x
Operating Temperature Range		-20 to 70°C					
Storage Temperature Range		-40 to 80°C					

NH Fuse Bases and Accessories

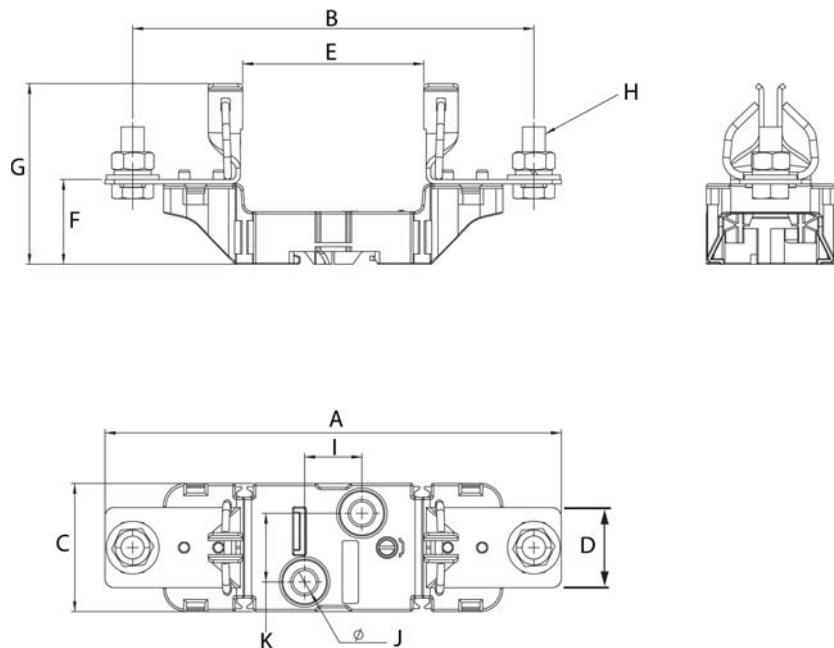
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Dimensions (mm) 1-Pole, Size 00



Size	Pole	A	B	C	D	E	F	G	H	I	J
00	1-pole	120	102	35.5	20	56	24	51	M8x20	25	8

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

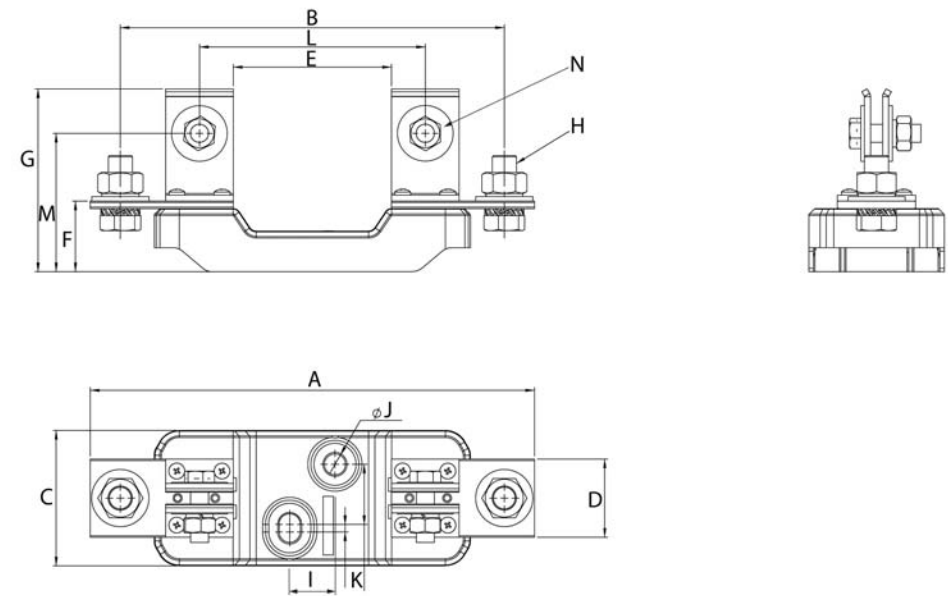


Size	Poles/Type	A	B	C	D	E	F	G	H	I	J	K
1	1-pole	199	175	56	35	79	37	78	M10x25	25	10	30
2	1 pole	224	199	56	35	79	37.5	86	M10x25	25	10	30
	1-pole double clip	223	199	56	35	82	37	79	M10x25	25	10	30
3	1-pole	239	209	56	36	82	37.5	88	M12x30	25	10	30

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160 - 1600A, 690Vac, Sizes 1 to 4

Dimensions (mm) 1-Pole, Size 4

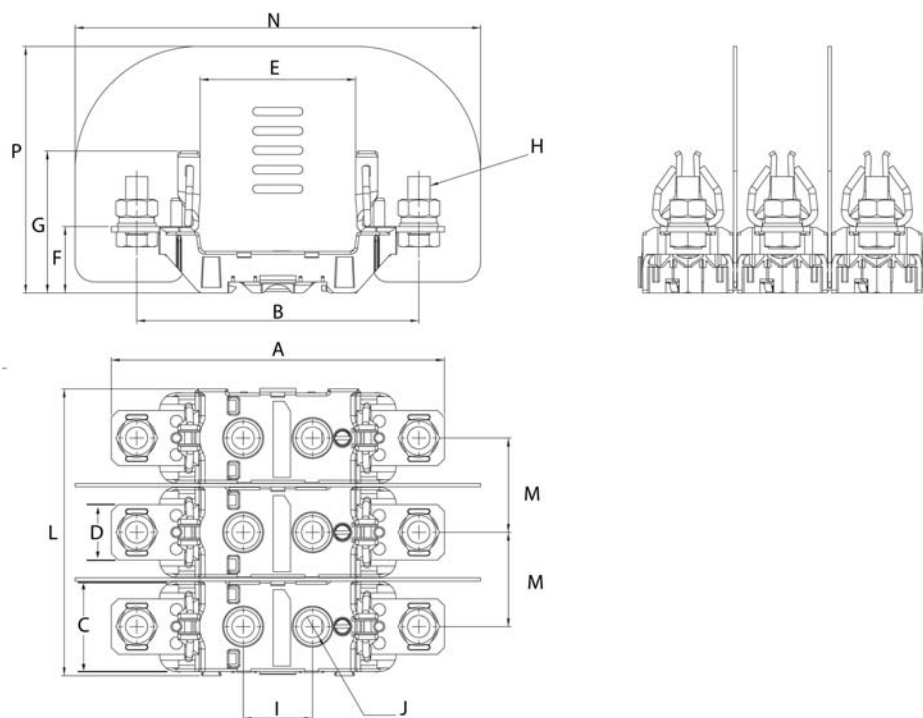


Size	Poles/Type	A	B	C	D	E	F	G	H	I	J	K	L	M	N
4	1-pole 1250A	295	255	90	52	105	47	122	M16x40	30	14	40	150	92	M12x40
	1-pole 1600A	295	255	90	60	105	50	125	M16x40	30	14	40	150	92	M12x40

NH Fuse Bases and Accessories

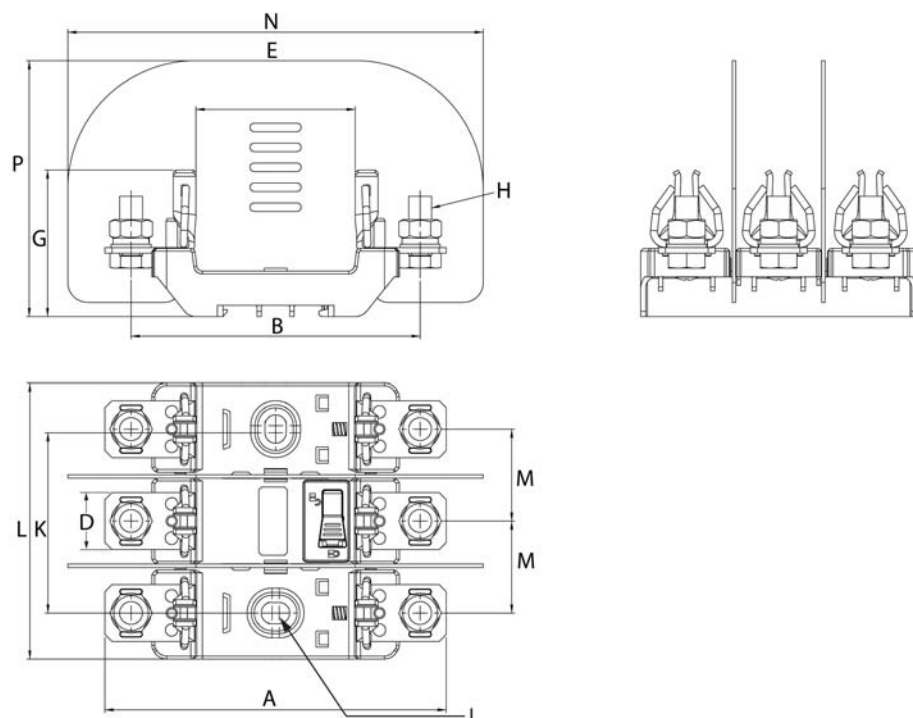
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Dimensions (mm) 3-Pole, Size 00



Size	Poles/Type	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P
00	3-pole	120	102	32.5	20	56	24	51	M8x20	25	8	-	103.5	34	146	89

Dimensions (mm) Integral 3-Pole, Size 00

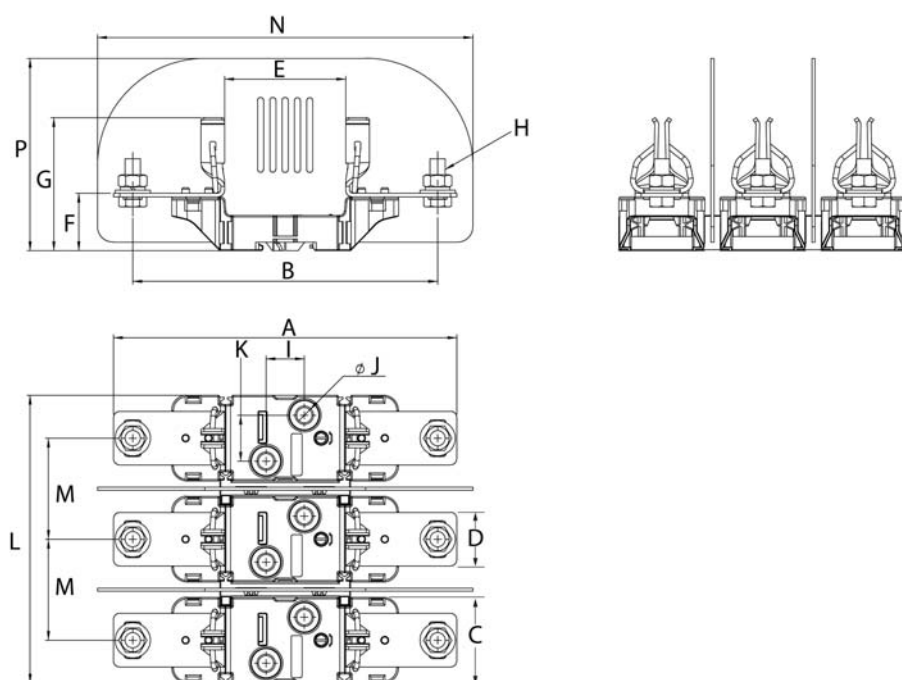


Size	Poles/Type	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P
00	3-pole Integral	120	102	-	20	56	24	51	M8x20	-	7.5x10	63.5	97	32.3	146	90

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



Size	Poles/Type	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P
1	3-pole	199	175	56	35	79	37	78	M10x25	25	10	30	188	66	245	125.5
2	3-pole	224	199	56	35	79	37.5	86	M10x25	25	10	30	188	66	245	125.5
	3-pole double clip	223	199	56	35	82	37	79	M10x25	25	10	30	188	66	245	125.5
3	3-pole	239	209	56	36	82	37.5	88	M12x30	25	10	30	221	82.5	260	137.5

Cross-Reference

Old Part Number	New Part Number
SB00-S	SD00-S
TB00-S	TD00-D
SB00-D	SD00-D
TB00-D	TD00-D
SB0-S	Obsolete, use SD00-S
TB0-S	Obsolete, use TD00-D, TD00-DI
SB0-D	Obsolete, use SD00-D
TB0-D	Obsolete, use TD00-D, TD00-DI
SB1-S	SD1-S
TB1-S	TD1-D
SB1-D	SD1-D
TB1-D	TD1-D

Old Part Number	New Part Number
SB2-S	SD2-S
TB2-S	TD2-D
SB2-D	SD2-D / SD2-DD
TB2-D	TD2-D
SB3-S	SD3-S
TB3-S	TD3-D
SB3-D	SD3-D
TB3-D	TD3-D
SB4-S	SD4-S
TB00-D-IP20	TD00-DI20IC
FPK0-3P	Obsolete
FPK1-3P	TD1-IP20
FPK2-3P	TD2-IP20
FPK3-3P	TD3-IP20

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Accessories

Fuse Extraction Handle

Size	Current (Amps)	Part Number	Unit Packing
00-3	160 - 630	FEH	1



Protection Accessories

Size	Current (Amps)	Phase Barrier Kit*		Description
		Part Number	Unit Packing	
00	160	SD00-PB	1	2-Phase barriers
1	250	SD12-PB	1	2-Phase barriers and 2 ganging links
2	400	SD12-PB	1	
3	630	SD3-PB	1	



Phase barrier



Ganging link

* Kit includes 2-phase barriers and also ganging links where required.

IP Protection Kits

Size	Current (Amps)	Part Number	Description
00	160	TD00-IP20	Triple pole protection kit for TD00-D with terminal shrouds, fuse cover and phase barriers
		TD00-IP20I	Integral triple pole protection kit for TD00-DI with terminal cover and phase barriers only
		TD00-DI20IC	Integral triple pole protection kit for TD00-DI with terminal covers, phase barriers and fuse covers
1	250	TD1-IP20	Triple pole protection kit with terminal shrouds, fuse cover phase barriers and ganging links
2	400	TD2-IP20	Triple pole protection kit with terminal shrouds, fuse cover phase barriers and ganging links
3	630	TD3-IP20	Triple pole protection kit with terminal shrouds, fuse cover phase barriers and ganging links

Microswitch

Part Number	Unit Packing
BVL50	1



Microswitch suitable for the following NH fuse links:

- 400 Volts gG/gL
- 500 Volts gG/gL and aM
- 690 Volts gG/gL and aM

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