

Heavy Duty 4 & 6 Pole Safety Switch

Non-Fusible, Type VBII, 30 - 200 Amp, Type 12 Galvanized Steel & 4X Stainless Steel

Standards and Ratings

- UL Listed under file #E4776
- Meets UL98 for switches and UL50 for enclosures
- Meets NEMA Standard KS-1 for enclosed switches (Type HD)
- Meets NEC wire bending space requirements
- Suitable for use as Service Equipment
- Rated 10,000 AIC with Class H or 200,000 AIC when protected by Class R, J or T fuses (fuse ampere rating must not exceed switch ampere rating)

Features

- Quick-make and break switching action
- Visible blade, double break construction
- Highly visible ON/OFF indication
- Modular design allows quick and easy replacement of parts
- Front removable lugs which can easily be converted to copper body or compression type lugs
- Defeatable dual cover interlock
- All copper current carrying parts ¹
- Handle is padlockable in OFF position
- Type 12 switches are also rated Type 3R/3S for outdoor use

General Information

Catalog Number	Amps	Max AC Volts	Description	Shipping Weight (lbs.)
4 Pole, Type 12 (also rated Type 3R/3S)				
HNF461J	30	600	Non-fusible, 4 Pole, 4 Wire	33
HNF462J	60			35
HNF463J	100			35
HNF464J	200			79
6 Pole, Type 12 (also rated Type 3R/3S)				
HNF661J	30	600	Non-fusible, 6 Pole, 6 Wire	33
HNF662J	60			36
HNF663J	100			36
HNF664J	200			80
6 Pole, Type 4X Stainless Steel				
HNF661S	30	600	Non-fusible, 6 Pole, 6 Wire	33
HNF662S	60			36
HNF663S	100			36
HNF664S	200			80

Horsepower Ratings

Catalog Number	240V 2 Ø 4W	240V 3 Ø	480V 3 Ø	600V 3 Ø	250V DC
4 Pole, Non-fusible Switches					
HNF461J	10	10	20	30	5
HNF462J	20	20	50	60	10
HNF463J	30	40	75	100	20
HNF464J	50	60	125	150	40
6 Pole, Non-fusible Switches					
HNF661J, HNF661S	—	10	20	30	5
HNF662J, HNF662S	—	20	50	60	10
HNF663J, HNF663S	—	40	75	100	20
HNF664J, HNF664S	—	60	125	150	40

¹ Lugs are aluminum alloy as standard. Optional copper body lugs are available.

Product Specification Sheet HD30.17

Answers for industry.

SIEMENS

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Accessories

Catalog Number	Description
HA161234	Auxiliary Switch (1-NO & 1 NC)
HA261234	Auxiliary Switch (2-NO & 2 NC)
HA361234	Low Voltage Auxiliary Switch
HG61234	Equipment Ground Lug Kit (Factory Installed)
HG261234	Isolated Equipment Ground Lug Kit
HN612	30A Neutral Kit
HN623	60 and 100A Neutral Kit
HN64	200A Neutral Kit
HN263	100A 200% Neutral Kit
HN264	200A 200% Neutral Kit
HLC612	30-60A Copper Lug Kit (9) lugs per kit
HLC63	100A Copper Lug Kit (9) lugs per kit
HLC64	200A Copper Lug Kit (9) lugs per kit
HCL612	30A Compression Lug Neutral Barrier Kit
HCL62	60-100A Compression Lug Neutral Barrier Kit
SSH100	1.00" Type 12 and 4X Hub
SSH150	1.50" Type 12 and 4X Hub
SSH200	2.00" Type 12 and 4X Hub

¹ HH461234S for stainless Type 4X switches.

² Catalog number is same as switch catalog number plus "DOOR" suffix.

Replacement Parts

Catalog Number	Description
HNB612	30A Replacement Line Base ¹
HNB623	60-100A Replacement Line Base ¹
HNB64	200A Replacement Line Base ¹
HH461234 ¹	30-200A Replacement Handle and Guard
HM6123	30-100A Replacement Mechanism ¹
HM624	200A Replacement Mechanism ¹
HL612	30-60A Replacement Lugs (3) per kit
HL63	100A Replacement Lugs (3) per kit
HL64	200A Replacement Lugs (3) per kit
²	Replacement Door

Mechanical Lug Wire Ranges (60/75°C, Cu/Al)

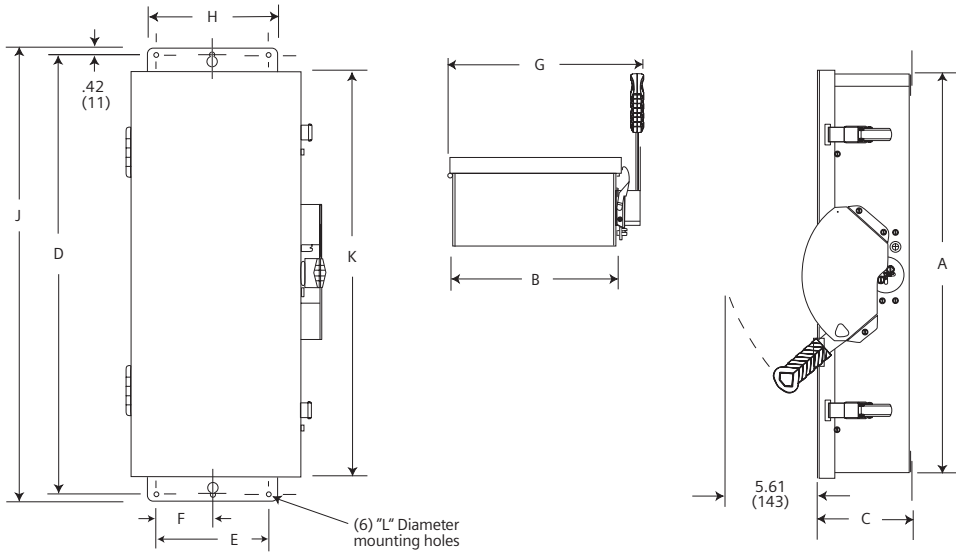
Description	Wire Range
30A Line, Load & Neutral	#12-6 AWG (Al), #14-6 (Cu)
60A Line, Load & Neutral	#12-2 AWG
100A Line, Load & Neutral	#14-1/0 AWG
200A Line, Load & Neutral	#6-250 kcmil
30-200A Ground	#14-4 AWG

Compression Lugs (UL listed for field installation)

Wire Size	Burndy		Thomas-Betts		IlSCO	
	CU Only	CU/AL	CU Only	CU/AL	CU Only	CU/AL
30A						
#14-10				60096 60097		
#8	YA8C-L BOX YA8C-L1 BOX		54104 54130	60101 60102 61102	CRA-8	ACL-8 ACN-8
60A						
#6	YA6C-L BOX YA6C	YA6CA1	54105 54905BE	60107 61107	CRB-6 CRB-6L	ACL-6
#4			54106	61112	CRB-4	
100A						
#2	YA2C-L2 BOX YA2C	YA2CA5	54107	61116	CRB-2 CRB-2L	ACL-2
#1	YA1C-L2 YA1C		54108 54947BE	61122	CRB-1-14 CRA-1L	
200A						
3/0	YA27-L3 YA27	YA27A1	54163-TB	60141 61142	CRC-3/0 CRB-3/0L	IACL-3/0 ACL-3/0
4/0	YA28-L3 YA28-TC38	YA28A1	54168 256-30695-1253	61148 60147	CRC-4/0 CRB-4/0L	IACL-4/0 ACL-4/0
250 Kcmil	YA29-L7		54173 54913BE	61156	CRA-250	

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Dimension Drawing



Ampere Rating	Wire Bending Space	
	Top	Bottom
30A	4.71	4.71
60A	4.87	4.87
100A	6.09	6.09
200A	7.47	7.47

Type 4X Enclosure: (brushed finish)
 30-100A – .053 Thick (17 Gauge)
 Type 304 Stainless Steel
 200A – .060 Thick (16 Gauge)
 Type 304 Stainless Steel

Type 12 Enclosure:
 30-100A – .053 Thick (17 Gauge)
 Galvanized Steel
 200A – .060 Thick (16 Gauge)
 Galvanized Steel
 ANSI Grey #61 Finish

Dimensions shown in inches and millimeters ().
 Dimension shown accurate to ± 1/16 inch.

Dimensions Inches (mm)											
Catalog Number	A	B	C	D	E	F	G	H	J	K	L
HNF461J	24.42 (620)	9.65 (245)	6.48 (165)	26.65 (677)	5.48 (139)	2.74 (70)	11.64 (296)	6.47 (164)	27.49 (698)	24.98 (634)	.266 (7)
HNF462J	24.80 (630)	11.61 (295)	6.48 (165)	27.03 (687)	8.00 (203)	4.00 (102)	13.60 (345)	8.99 (228)	27.87 (708)	25.51 (648)	.266 (7)
HNF463J	27.54 (700)	12.29 (312)	6.48 (165)	29.77 (756)	8.48 (215)	4.24 (108)	14.28 (363)	9.47 (241)	30.61 (777)	28.09 (713)	.266 (7)
HNF464J	35.93 (913)	19.24 (489)	6.78 (172)	38.16 (969)	13.44 (341)	6.72 (171)	21.24 (539)	14.44 (367)	39.00 (991)	36.65 (931)	.328 (8)
HNF661J, HNF661S	24.42 (620)	9.65 (245)	6.48 (165)	26.65 (677)	5.48 (139)	2.74 (70)	11.64 (296)	6.47 (164)	27.49 (698)	24.98 (634)	.266 (7)
HNF662J, HNF662S	24.80 (630)	11.61 (295)	6.48 (165)	27.03 (687)	8.00 (203)	4.00 (102)	13.60 (345)	8.99 (228)	27.87 (708)	25.51 (648)	.266 (7)
HNF663J, HNF663S	27.54 (700)	12.29 (312)	6.48 (165)	29.77 (756)	8.48 (215)	4.24 (108)	14.28 (363)	9.47 (241)	30.61 (777)	28.09 (713)	.266 (7)
HNF664J, HNF664S	35.93 (913)	19.24 (489)	6.78 (172)	38.16 (969)	13.44 (341)	6.72 (171)	21.24 (539)	14.44 (367)	39.00 (991)	36.65 (931)	.328 (8)