



Ordering Guide - Fuse Switches for Accommodating Semi-Conductor protection fuse links

The proliferation of solid state drives and similar devices has led to a growing need for fuse switch combination units which can accommodate semi-conductor fuse links.

These fuses comply with the requirements of IEC269-4. DIN style semi-conductor protection fuse links are available in size 000 upwards and these fuses can physically be

accommodated in the Hubbell NFC and NH ranges of fuse switches.

It should be noted that semi-conductor fuses in general have a significantly higher watts loss than the equivalently rated general purpose fuse. Typically this loss can be twice (or more) that of a standard fuse.

Accordingly, when using this type of fuse mounted in a fuse switch some

de-rating may be required to prevent overheating and premature degradation of the fuse link.

The following table lists Hubbell type NFC and type NH fuse switches and the Bussman semi-conductor fuses they will accommodate together with the maximum running current of the combination.

Similar information to the above can

be provided for fuses manufactured by any other manufacturer. Enquiries should be faxed to Hubbell Limited Engineering Department, Fax No. 01234 848578

To use this ordering guide, first establish the Hubbell fuse switch reference e.g. UFS25 NFC then read off the NFC/NH fuse switch and accessory catalogue numbers.

HUBBELL SWITCH REFERENCE	F/S AMPS ITH	FUSE SIZE	BUSSMANN FUSE REFERENCE	FUSE RMS Amps	FUSE LOSS Watts	FUSE PRE-ARCING FT	FUSE CLEARANCE FT	FUSE/SWITCH MAX LOAD Amps
UFS25NFC	25	10 x 38	FWC6A1OF	6	1.50	4	30	6
UFS25NFC	25	10 x 38	FWC8A1OF	8	2.00	6	50	8
UFS25NFC	25	10 x 38	FWC10A1OF	10	2.50	9	70	10
UFS25NFC	25	10 x 38	FWC12A1OF	12	3.00	15	120	12
UFS25NFC	25	10 x 38	FWC16A1OF	16	3.50	25	150	14
UFS25NFC	25	10 x 38	FWC20A1OF	20	4.80	34	260	15
UFS25NFC	25	10 x 38	FWC25A1OF	25	6.00	60	390	17
UFS25NFC	25	10 x 38	FWC32A1OF	32	7.50	95	600	20
UFS32NFC	50	14 x 51	FWH5A14F	5	1.50	1.6	2.5	5
UFS32NFC	50	14 x 51	FWH10A14F	10	4.00	3.6	6	10
UFS32NFC	50	14 x 51	FWH15A14F	15	5.50	10	16	15
UFS32NFC	50	14 x 51	FWH20A14F	20	6.00	26	40	19
UFS32NFC	50	14 x 51	FWH25A14F	25	7.00	49	75	22
UFS32NFC	50	14 x 51	FWH30A14F	30	9.00	58	90	23
UFS32NFC	50	14 x 51	FWP5A14F	5	1.50	1.6	4	5
UFS32NFC	50	14 x 51	FWP10A14F	10	4.00	3.6	10	10
UFS32NFC	50	14 x 51	FWP15A14F	15	5.50	10	22	15
UFS32NFC	50	14 x 51	FWP20A14F	20	6.00	26	60	19
UFS32NFC	50	14 x 51	FWP25A14F	25	7.00	44	130	22
UFS32NFC	50	14 x 51	FWP30A14F	30	9.00	58	150	23
UFS32NFC	50	14 x 51	FWP32A14F	32	7.60	95	800	27
UFS32NFC	50	14 x 51	FWP40A14F	40	8.00	110	980	33
UFS32NFC	50	14 x 51	FWP50A14F	50	9.00	220	1800	39
UFS32NFC	50	14 x 51	170N1005	10	2.50	9	100	10
UFS32NFC	50	14 x 51	170N1006	12	2.90	15	170	12
UFS32NFC	50	14 x 51	170N1007	16	3.60	29	250	16
UFS32NFC	50	14 x 51	170N1008	20	4.80	34	370	20
UFS32NFC	50	14 x 51	170N1009	25	6.00	60	560	23
UFS32NFC	50	14 x 51	170N1011	32	7.60	95	850	27
UFS32NFC	50	14 x 51	170N1013	40	7.00	105	760	35
UFS32NFC	50	14 x 51	170N1014	50	9.00	215	1400	39
UFS63NFC	63	22 x 58	FWP20A22F	20	4.60	34	370	20
UFS63NFC	63	22 x 58	FWP25A22F	25	5.60	60	560	25
UFS63NFC	63	22 x 58	FWP32A22F	32	7.00	95	850	30
UFS63NFC	63	22 x 58	FWP40A22F	40	8.50	185	1350	34
UFS63NFC	63	22 x 58	FWP50A22F	50	9.50	155	1120	40
UFS63NFC	63	22 x 58	FWP63A22F	63	11.00	310	2700	47
UFS63NFC	63	22 x 58	FWP80A22F	80	13.50	620	5100	54
UFS63NFC	63	22 x 58	FWP100A22F	100	16.00	1250	10000	63
UFS63NFC	63	22 x 58	170N2008	20	4.60	34	370	20
UFS63NFC	63	22 x 58	170N2009	25	5.60	60	560	25
UFS63NFC	63	22 x 58	170N2011	32	7.00	95	850	30
UFS63NFC	63	22 x 58	170N2013	40	8.50	185	1350	34
UFS63NFC	63	22 x 58	170L2214	50	9.50	155	1120	40
UFS63NFC	63	22 x 58	170L2216	63	11.00	310	2150	47
UFS63NFC	63	22 x 58	170L2217	80	13.50	620	4050	54
UFS63NFC	63	22 x 58	170L2218	100	16.00	1250	8050	63
UFS63NH	100	000	170M1558	10	3.00	3.8	25.5	10
UFS63NH	100	000	170M1559	16	5.50	7.2	48	16
UFS63NH	100	000	170M1560	20	7.00	11.5	78	20
UFS63NH	100	000	170M1561	25	9.00	19	130	22

Ordering Guide - Semi Conductor Fuse Switch Selection

Fuse Switch catalogue numbers include basic switch, terminal hardware and standard operating shaft. For extra long shafts see page 6



HUBBELL SWITCH REFERENCE	F/S AMPS ITH	FUSE SIZE	BUSSMANN FUSE REFERENCE	FUSE RMS Amps	FUSE LOSS Watts	FUSE PRE-ARCING FT	FUSE CLEARANCE FT	FUSE/SWITCH MAX LOAD Amps
UFS63NH	100	000	170M1562	32	10.00	40	270	27
UFS63NH	100	000	170M1563	40	12.00	69	460	30
UFS63NH	100	000	170M1564	50	15.00	115	770	34
UFS63NH	100	000	170M1565	63	16.00	215	1450	42
UFS63NH	100	000	170M1566	80	19.00	380	2550	49
UFS63NH	100	000	170M1567	100	24.00	695	4650	54
UFS63NH	100	000	170M1568	125	28.00	1200	8500	63
UFS63NH	100	000	170M1569	160	32.00	2300	16000	76
UFS63NH	100	000	170M1570	200	37.00	4200	28000	87
UFS63NH	100	000	170M1571	250	42.00	7750	51500	100
UFS63NH	100	000	170M1572	315	52.00	12000	80500	100
UFS100NH	100	000	170M1558	10	3.00	3.8	25.5	10
UFS100NH	100	000	170M1559	16	5.50	7.2	48	16
UFS100NH	100	000	170M1560	20	7.00	11.5	78	20
UFS100NH	100	000	170M1561	25	9.00	19	130	22
UFS100NH	100	000	170M1562	32	10.00	40	270	27
UFS100NH	100	000	170M1563	40	12.00	69	460	31
UFS100NH	100	000	170M1564	50	15.00	115	770	35
UFS100NH	100	000	170M1565	63	16.00	215	1450	43
UFS100NH	100	000	170M1566	80	19.00	380	2550	49
UFS100NH	100	000	170M1567	100	24.00	695	4650	55
UFS100NH	100	000	170M1568	125	28.00	1200	8500	64
UFS100NH	100	000	170M1569	160	32.00	2300	16000	76
UFS100NH	100	000	170M1570	200	37.00	4200	28000	89
UFS100NH	100	000	170M1571	250	42.00	7750	51500	100
UFS100NH	100	000	170M1572	315	52.00	12000	80500	100
UFS160NH	160	000	170M1558	10	3.00	3.8	25.5	10
UFS160NH	160	000	170M1559	16	5.50	7.2	48	16
UFS160NH	160	000	170M1560	20	7.00	11.5	78	20
UFS160NH	160	000	170M1561	25	9.00	19	130	25
UFS160NH	160	000	170M1562	32	10.00	40	270	32
UFS160NH	160	000	170M1563	40	12.00	69	460	40
UFS160NH	160	000	170M1564	50	15.00	115	770	50
UFS160NH	160	000	170M1565	63	16.00	215	1450	61
UFS160NH	160	000	170M1566	80	19.00	380	2550	71
UFS160NH	160	000	170M1567	100	24.00	695	4650	79
UFS160NH	160	000	170M1568	125	28.00	1200	8500	91
UFS160NH	160	000	170M1569	160	32.00	2300	16000	109
UFS160NH	160	000	170M1570	200	37.00	4200	28000	128
UFS160NH	160	000	170M1571	250	42.00	7750	51500	150
UFS160NH	160	000	170M1572	315	52.00	12000	80500	160
UFS250NH	250	1	170M3808	40	9.00	40	270	40
UFS250NH	250	1	170M3809	50	11.00	77	515	50
UFS250NH	250	1	170M3810	63	14.00	115	770	63
UFS250NH	250	1	170M3811	80	18.00	185	1250	80
UFS250NH	250	1	170M3812	100	21.00	360	2450	100
UFS250NH	250	1	170M3813	125	26.00	550	3700	117
UFS250NH	250	1	170M3814	160	30.00	1100	7500	140
UFS250NH	250	1	170M3815	200	35.00	2200	15000	162
UFS250NH	250	1	170M3816	250	40.00	4200	28500	190
UFS250NH	250	1	170M3817	315	50.00	7000	46500	213
UFS250NH	250	1	170M3818	350	55.00	10000	68500	226
UFS250NH	250	1	170M3819	400	60.00	15000	105000	246
UFS400NH	400	2	170M5808	400	65.00	11000	74000	285
UFS400NH	400	2	170M5809	450	70.00	15500	105000	308
UFS400NH	400	2	170M5810	500	75.00	21500	145000	331
UFS400NH	400	2	170M5811	550	80.00	28000	190000	352
UFS400NH	400	2	170M5812	630	90.00	41000	275000	383
UFS400NH	400	2	170M5813	700	95.00	60500	405000	400
UFS630NH	630	3	170M6808	500	95.00	14000	95000	335
UFS630NH	630	3	170M6809	550	100.0	19500	135000	360
UFS630NH	630	3	170M6810	630	105.0	31000	210000	398
UFS630NH	630	3	170M6811	700	110.0	44500	300000	437
UFS630NH	630	3	170M6812	800	115.0	69500	465000	486
UFS630NH	630	3	170M6813	900	120.0	100000	670000	532
UFS630NH	630	3	170M6814	1000	125.0	140000	945000	583