

Technical Data - Type NFC & NH Switch Fuses IEC947-3



SWITCH TYPE		UFS25NFC	UFS32NFC	UFS63NFC	UFS63NH	UFS100NH	UFS160NH	UFS250NH	UFS400NH	UFS630NH
ELECTRICAL PERFORMANCE										
Thermal enclosed Current with Fuse links ①	Amps	25	50	63	80	100	160	250	400	630
Operating Current AC22A 380/415V	Amps	25	50	63	80	100	160	250	250	630
Operational Current AC23A 380/415V 660V	Amps	20	32	63	63	100	160	250	400	630
	Amps	20	20	45	45	63	80	250	-	-
Operational Power AC23A 380/415V 660V	kW	7.5	15	30	30	55	75	132	230	355
	kW	11	11	37	37	55	75	200	-	-
Rated Insulation Voltage	V	690	690	690	690	690	690	690	690	690
Rated Conditional Short Circuit Current ②	kA	80	80	80	80	80	80	80	80	80
Maximum Size NFC Fuse	kA	10 x 38	14 x 51	22 x 58	C00	C00	00	1	2	3
Fuse Cut Off Current	kA	4.5	7.6	14	13	15	20	30	41	61

MECHANICAL DETAILS

Max. No. of Auxiliary Circuits		8	8	8	8	24	24	24	24	24
Creepage : phase-phase / phase-earth	mm	10/8	10/8	25/24	25/24	24/14	25/14	40/18	40/18	40/18
Clearance Phase-phase/phase-earth	mm	10/8	10/8	25/20	25/20	20/14	24/14	20/34	20/34	20/34
Isolation distance between contacts	mm	16	16	20	20	14	14	14	14	14
Min.c.s.a. of external connections at rated AC23A current	mm ²	2.5	6	16	16	35	70	120	240	400
Operational Performance - No. of Operations		10,000	10,000	10,000	10,000	10,000	8,000	8,000	5,000	5,000
Weight of base Switch	Kg	0.54	0.61	1.5	1.5	2.4	3.5	6.5	9.5	19.25
Max. size of connections: Cable c.s.a. Strip width	mm ²	10	10	25	25	95	95	185	-	-
	mm	8.5	8.5	7.0	7.0	20	26	40	50	75

GENERAL

- (a) The operational current and category correspond to a breaking capacity of - AC22A 3xIe 0.65pf -AC23A UFS63NH & 100NH 8xIe 0.45pf UFS160NH up 8xIe 0.35pf
 (b) The ratings are for switches in ambient temperatures up to 50°C. Above this temperature, de-rate the switches with solid links by 5% per 5 degree C, and switches with fuses in accordance with the fuse manufacturer's recommendations.

NOTES

- ① At these ratings the external copper connections must not be less than those specified in IEC947-3.
 ② The rated fused short-circuit currents quoted were used for proving tests. Provided that the cut-off current does not exceed the values given, these fuse switches may be used on any prospective current.