



Switch Fuse Unit



Switch Fuse Units & Fuse Switch Units

Rewirable & HRC Fuse Type



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HPL surface mounting Switch Fuse Units boasts the most quintessential design for utilization in industrial, commercial and domestic applications. Designed with utmost precision in world class R&D laboratory are combination of advanced engineering technology with aesthetic design setting a new benchmark at national and international levels .(Conforms to IS / IEC : 60947 (Pt) - 1 & 3.)

Standard Range -(Side handle operated)

Rewireable Type

- 16A, 32A, & 63A, 240V SPN & 415V DP
- 16A,32A,63A,100A,200A &320A TPN 415V

HRC cum Rewireable type

- 16A ,32A,63A & 100A TPN 415V

Standard Range-(Front handle operated)

- 32A,63A,100A TPN 415V

Deluxe Range

- 63A & 100A TPN (HRC –Type)-ISI marked



Salient Features

- SFUs are available with vitreous steatite porcelain rewireable and HRC fuse carriers.
- Interchangeability between vitreous steatite porcelain Rewireable and HRC fuse carriers
- Complete range designed with double break contact mechanism.
- Contacts are specially designed and are made of electrolytic copper with tin plating and are spring controlled and operated with quick make and quick break mechanism to ensure minimal contact resistance and better arc control
- Adequate sized terminals, suitable for copper/ aluminium cable/bus-bar termination are provided with terminal cover shields to prevent any accidental contact with live contacts.
- Switches are provided with door defeat interlock to prevent accidental opening in 'ON' condition.
- Enclosures are fabricated from finest quality CRCA steel which goes through pretreatment in nine tank process of degreasing, derusting, surface activation, phosphating and passivation before high quality electrostatic powder coating and are baked at a precise temperature for long lasting finish.
- Enclosure provided with removable top & bottom end plates with adequately sized double knockouts for cable entry & exit.
- Switch Enclosures are with ingress protection (IP-42 rated) preventing entrance of any solid particle/wire/tool of size greater than 1mm and water spray/rain water fall of less than an angle of 15 degrees from vertical.
- SFUs are designed for use with HRC fuses conforming to IS:13703-1993
- Tested solution with in house and third party testing from CPRI & confirms to IS/IEC 60947-3 (1993).



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Technical Specifications

Recommended fuses

Rating	Short circuit Making capacity (with Fuse Wire)	Utilization Category	Tinned copper fuse wire gauge (SWG)	HRC Fuse	Rated fused short circuit with HRC fuses	Performance operation cycles without load
16A	2 K Arms	AC-22A	25	LKNS	50 K Arms	12,000
32A	4 K Arms	AC-22A/23A	22	LKTSA	50 K Arms	12,000
63A	4 K Arms	AC-22A/23A	18	LKTSS	50 K Arms	12,000
100A	4 K Arms	AC-22A/23A	14	LKTSD	50 K Arms	12,000
200A	4 K Arms	AC-22A/23A	2x14	-	Only Rewirable Type	9,000
320A	4 K Arms	AC-22A	3x14	-	Only Rewirable Type	6,000

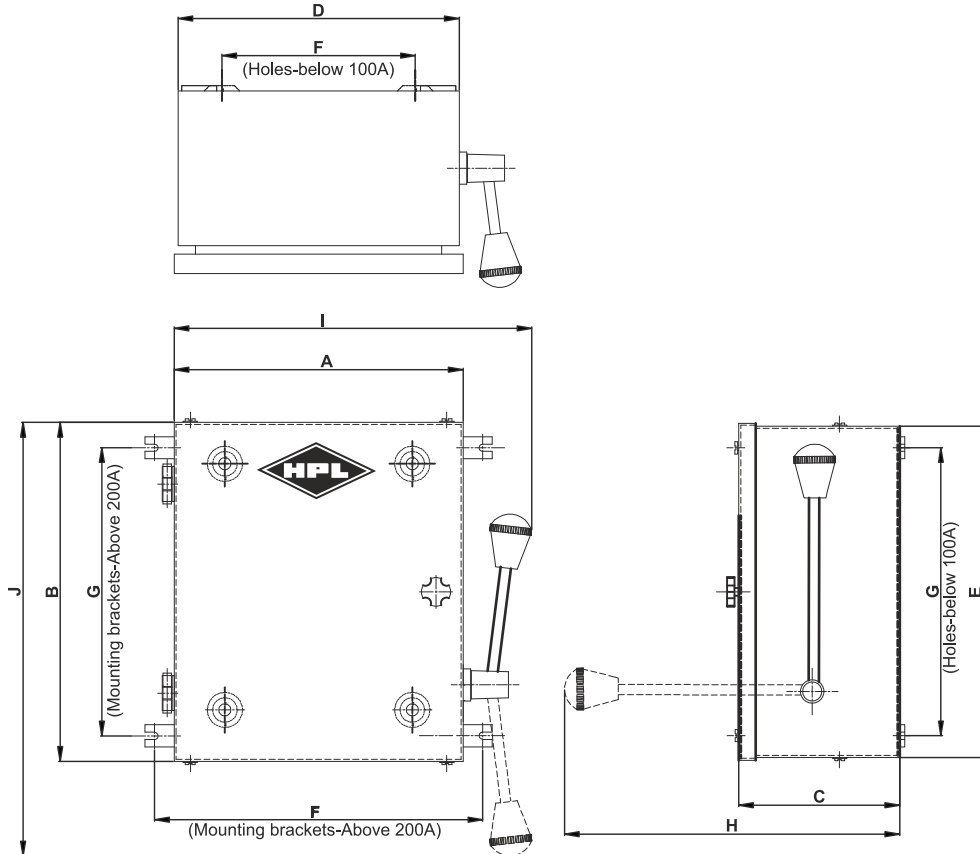




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Dimensional Details (in mm)

Rating	Item Code	A	B	C	D	E	F	G	H	I	J
16A-240V-SPN	SFSRW2SPN16	122	151	71	111	159	75	114	100	150	182
16A-240V-DP	SFSRW2DP16	122	151	71	111	159	75	114	100	150	182
32A-415V-SPN	SFSRW4SPN32	151	220	82	136	232	80	172	152	180	274
32A-415V-DP	SFSRW4DP32	155	255	82	155	255	90	192	135	215	325
63A-415V-SPN	SFSRW4SPN63	165	287	95	165	287	118	240	173	210	360
63A-415V-DP	SFSRW4DP63	165	287	95	165	287	118	240	173	210	360
16A-415V-TPN	SFSRW4TPN16	173	230	85	181	222	136	184	165	225	310
32A-415V-TPN	SFSRW4TPN32	215	270	85	205	260	120	210	160	253	335
63A-415V-TPN/STD	SFSSD4TPN63	270	305	120	270	305	170	242	235	330	415
63A-415V-TPN/DLX.	SFSDX4TPN63	290	330	125	290	330	190	260	235	340	440
100A-415V-TPN/STD.	SFSSD4TPN100	290	360	130	290	360	190	300	265	375	500
100A-415V-TPN/DLX.	SFSDX4TPN100	350	405	140	350	405	230	330	260	395	530
200A-415V-TPN	SFSRW4TPN200	335	545	180	335	545	375	445	280	415	570
320A-415V-TPN	SFSRW4TPN320	370	585	200	370	585	410	470	305	450	610





Fuse Switch Unit

Fuse Switch Units (Double Break) Salient Features

- Double Break design ensures better arc handling and enhanced life of contact.
- Side handle operated.
- Fix Contacts/Terminals housed in thermoset housing for better insulation.
- Robust design and construction.
- HRC fuse Links (BS type) used for entire range to ensure proper protection during overload and short circuit conditions.
- ON or OFF contact position is visible from front.
- Conforms to IS/IEC 60947-3.

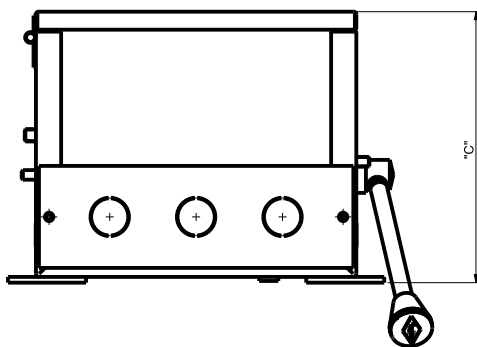
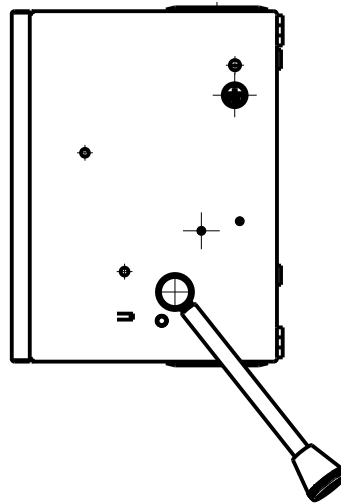
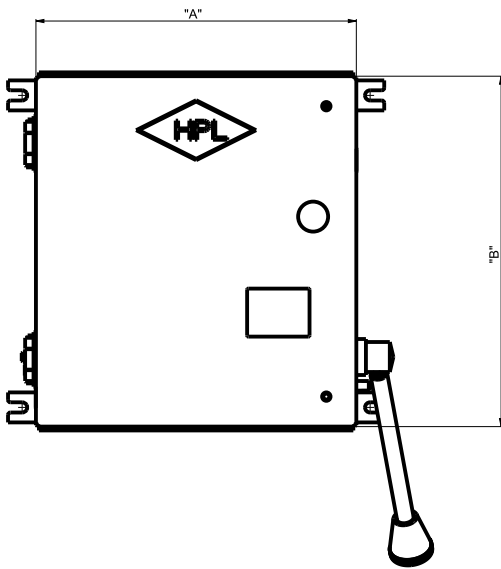




Fuse Switch Unit

Technical Specifications

RATING (TPN) AMPS/VOLTS	SHORT CIRCUIT MAKING CAPACITY (with Fuse)	UTILIZATION CATEGORY	FUSE REF. CODE	FUSE S.C. Rating	PERFORMANCE OPERATION CYCLES Without Load
63/415	4 kA	AC-22A	TSS	50 kA	8500
100/415	4 kA	AC-22A	TSD	50 kA	8500
200/415	4 kA	AC-22A	TSF	50 kA	7000
320/415	4 kA	AC-22A	TSK	50 kA	4000
400/415	4 kA	AC-22A	TSMS	50 kA	4000
500/415	4 kA	AC-22A	TTS	50 kA	4000



S. No.	Rating	"A"	"B"	"C"	BASE SHEET THICKNESS	DOOR SHEET THICKNESS
01	63A-100A/415V	267	292	221	1.6	1.2
02	200A-320A/415V	332	357	288.5	1.6	1.2
03	400A-500A/415V	449	354	344	1.6	1.2

Note: All dimension are in mm

Rewirable C/o 01/19



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