

Fuse Bases

**NS / SM Fuse Holders for HBC fuselinks 20, 32,63 & 125 Amps, 415 V / 660 V AC**

G E Power Controls moulded fuse holders consisting of fuse carriers & fuse base are available in four ratings for accommodating HBC (High Breaking Capacity) fuselinks. Fuse holders conform fully to IS 13703/IEC 269/BS88.

The NS & SM fuse holders with NS/T & TS range of fuse links, having low powerloss provide protection for wide range of electrical equipments.

**Construction**

Fuse holders are made of high grade flame-retardant, non-hygroscopic, phenolic moulding to IS 1300, BS 771 with a hard gloss surface, black finish.




They are simple in construction with minimum number of components. Carrier contacts and base contacts are mounted using locating ridges formed on the mouldings, assuring perfect alignment.

Type NS fuse-carriers have a single piece phosphor bronze clip, while type SM fuse-carriers have a single piece pressed brass spin rivetted contact. The base is also made of a single piece extruded brass tinned contact having adequate size of cable hole to accommodate aluminium cable.



Spring pressure of clips in NS fuse holders and a special high pressure metal backing stirrup in SM holders provide lasting contact surface. The stirrups are not required to carry current. All current carrying parts are electroplated.

The classification based on cable connection, is as follows:

32 A	32 A, 63 A, 125 A	Connection		
NSH	SM32H SM63H SM125H	Front Connection	Front wiring at both ends	
NSB	SM32B SM63B SM125B	Busbar	Busbar at one end & wiring at the other	
NSP		Back connection	Mounting on sheetsteel panel or insulated panel up to 2" thickness	

**Cabling**

The maximum and minimum size of cables which can be accommodated for direct pinching, are as shown below:

Fuse Holders	NS	SM		
		32	63	125
Rating	32	32	63	125
Maximum size (sq. mm)	10	16	35	50 *
Minimum size (sq. mm)	1.5	2.5	4	6

\* 70 Sq. mm with cable socket

For best results crimping or soldered. Direct pinching of cable can be also done but proper care should be taken, viz. cleaning of strands, applying correct tightness to grub screws, etc., to avoid over heating.

**Fuselinks**

G E Power Controls High Breaking Capacity (HBC) fuse links can be mounted in the fuse holders. The list reference of the fuselinks complying to IS 13703 - 1993, type NS, T and TS fuselinks are shown below:

Fuse Holders	Fuselinks		
	NS	T	TS
NS32	NS	-	-
SM32	-	TIA	TSA
SM63	-	TIS	TSS
SM125	-	TCP 80	TSD
		TCP 100	

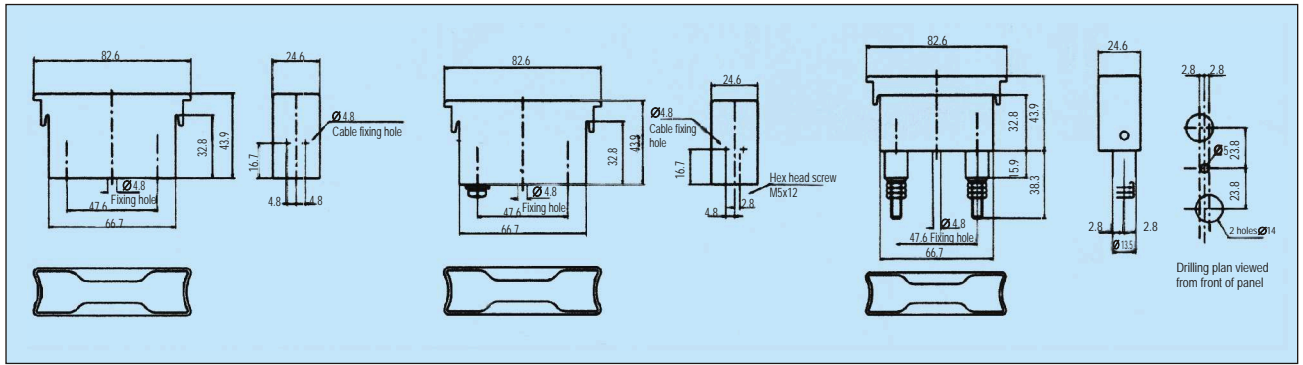


Dimensions in mm

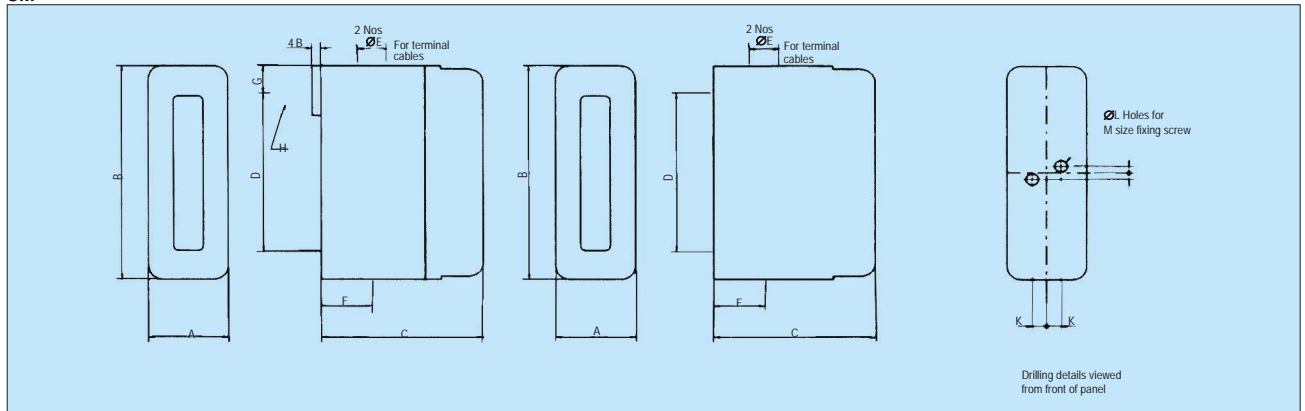
NSH

NSB

NSP



SM

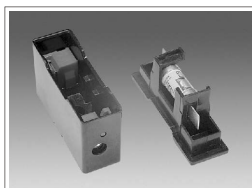


Dimensions (mm) & drilling details viewed from front of panel

Rating Amps	A	B	C	D	E	F	G	H	J	K	L	M
32A	31.8	98.4	65.1	73.0	6.4	21.4	12.7	M6 x 25	3.2	6.3	5.6	M5
63A	34.9	104.8	70.6	73.0	8.7	22.2	13.5	M6 x 25	3.2	6.3	5.6	M5
125A	47.6	130.2	92.1	94.0	11.9	29.4	18.3	M10 x 25	1.1	9.55	7.1	M6

*SAFECRIP Fully shrouded HBC fuse holders 20, 32 & 63 Amps 415 V AC*

'SAFECRIP' is a range of compact and safe fuse holders ideal for use in distribution boards and panels. The safe clip fuse holders are designed to accommodate the compact range of offset blade tags fuselinks. This range offers extra protection to wide range of electrical circuits & equipments with significant saving in power loss panel space, downtime & maintenance costs. Risk of fire, breakdown and downtime in onerous conditions reduced due to the use of flame-retardant phenolic base moulding.



Strength and long life assured in fuse-carriers moulded from tough flameretardant material.

