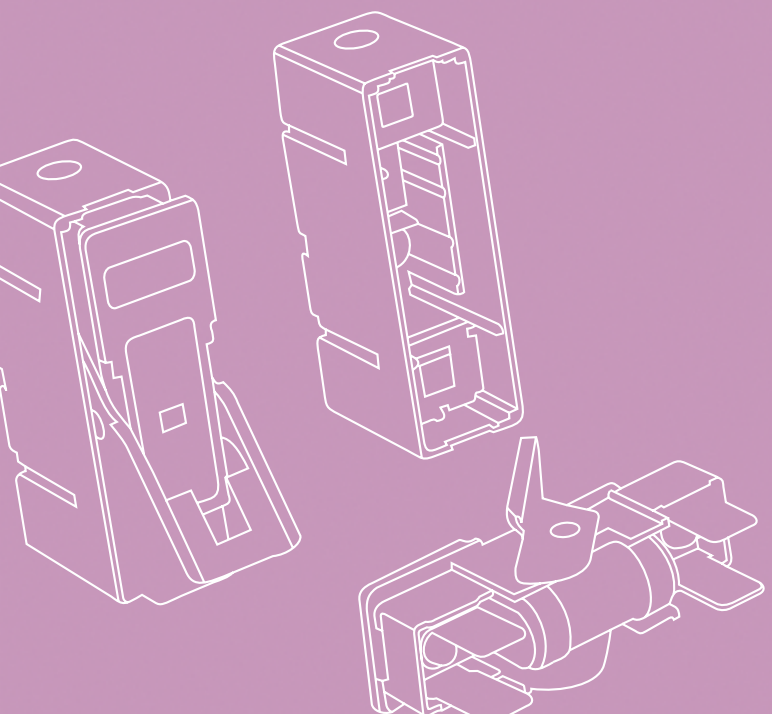
Fuse Holder consisting of carrier and base for mounting fuse links have been in use for long. Keeping operators' safety and ease / reliability of removal in mind, a complete range of unique CAM operated "Cam Lock Fuse Holder" are now offered to suit varied application for protection of distribution and motor circuits.

Range :
20A, 32A, 63A & 100A in front connection, bus bar connection & rear connection versions.

Specification :
Conforms to IEC:60269-1 & 2-1 / IS: 13703-1 & 2-1

Features :

- Single case construction
- High breaking capacity withstand
- Smooth removal of fuse carrier with the fuse by CAM operated lever.
- Live parts completely shrouded.
- Dual termination facility for bus bar & cable connection.
- Three types of connection to suit different application needs.
- Provided with both DIN rail & screw mounting facility.
- Liberal terminal capacity.




HAVELLS
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100A
660V ac

Construction

Housing :
Fuse holder is a combination of fuse base and fuse carrier. The base is a fixed part provided with terminals & shrouds and carrier is the movable part (designed to carry a fuse link) operated by a cam lever which engages the carrier mounted with the fuse to the fuse base. For removal of fuse, the lever is operated which disengages the carrier along with the fuse from the base thereby facilitating the removal of fuse from the carrier. The housing is made of thermo-plastic, flame retardant material having excellent thermal, mechanical & di-electric properties. It is a single case construction ensuring housing robustness.

Contacts :
Contacts are made of copper & silver for longer contact life, to increase the current carrying capacity and to ensure temperature rise is well within the specified limits.

Terminals :
The terminals are casted, silver plated and spring loaded. Current carrying parts are made of superior quality, cast brass and phosphor bronze.

Mounting :
The fuse holder is suitable for DIN rail (35mm x 7.5mm) mounting as per IS:11039. They are also suitable for panel mounting with M-5 screws / Bus bar mounting with brass nut.

Smooth removal of fuse carrier with the fuse by CAM operated lever

Isolation with Safety & Reliability

Live parts completely shrouded

Technical Information



Type			Front Connection	Bus Bar Connection	Rear Connection
Standard conformity			IS: 13703 (Part 2 sec. 1) : 1993 60269-2-1 : 2000-03		
Rated current (In)			20A, 32A, 63A, 100A	20A, 32A, 63A, 100A	20A, 32A, 63A, 100A
Rated voltage (Un)			415V AC*	415V AC*	415V AC*
Rated Insulation Voltage			500V AC	500V AC	500V AC
Rated Frequency			50Hz	50Hz	50Hz
No. of Pole			Single Pole	Single Pole	Single Pole
Rated power acceptance	FH-1	20A & 32A			
	FH-2	32A	4.4W	4.4W	4.4W
	FH-3	63A	6.9W	6.9W	6.9W
	FH-4	100A	9.1W	9.1W	9.1W
Rated peak withstand current		> 80KA			
Size of Fuse link	FH-1	20A & 32A	F1	F1	F1
	FH-2	32A	A2	A2	A2
	FH-3	63A	A3	A3	A3
	FH-4	100A	A4	A4	A4
Permissible ambient temperature			(-5°C to +55°C)	(-5°C to +55°C)	(-5°C to +55°C)
Mechanical durability			2000	2000	2000
Degree of protection			IP 20	IP 20	IP 20
Terminals capacity	FH-1	20A & 32A	10 sq.mm.	10 sq.mm.	10 sq.mm.
	FH-2	32A	35 sq.mm.	35 sq.mm.	35 sq.mm.
	FH-3	63A	35 sq.mm.	35 sq.mm.	35 sq.mm.
	FH-4	100A	50 sq.mm.	50 sq.mm.	50 sq.mm.
Dimensions (L x W x D)	FH-1	20A & 32A	74 x 25.5 x 45.5	74 x 25.5 x 45.5	74 x 25.5 x 45.5
	FH-2	32A	113 x 34.8 x 60	113 x 34.8 x 60	113 x 34.8 x 60
	FH-3	63A	113 x 34.8 x 60	113 x 34.8 x 60	113 x 34.8 x 60
	FH-4	100A	125 x 40.0 x 63.4	125 x 40.0 x 63.4	125 x 40.0 x 63.4
Net Weight	FH-1	20A & 32A	- (FC)	- (BB)	- (RC)
	FH-2	32A	0.224 kg	0.248 kg	0-.276 kg
	FH-3	63A	0.224 kg	0.248 kg	0-.276 kg
	FH-4	100A	0.338 kg	0.360 kg	0.380 kg

1. Fuse carrier suitable for offset tag fuse links only.
2. Fuse link size
   - F1 (type of fuse HNS)
   - A2 (type of fuse HTIA)
   - A3 (type of fuse HTSS)
   - A4 (type of fuse HTSD)

FC - Front connection

BB - Bus Bar connection

RC - Rear connection

Ordering Information

Front Connection

Current Rating	Type of Fuse	Type of Connection I/C	O/G	Cat. No.
20A	HNS	Cable	Cable	IHVONSH020
32A	HTIA	Cable	Cable	IHVTIAH032
63A	HTSS	Cable	Cable	IHVTSSH063
100A	HTSD	Cable	Cable	IHVTSDH100

Bus Bar Connection

Current Rating	Type of Fuse	Type of Connection I/C	O/G	Cat. No.
20A	HNS	Bus Bar	Cable	IHVONSB020
32A	HTIA	Bus Bar	Cable	IHVTIAB032
63A	HTSS	Bus Bar	Cable	IHVTSSB063
100A	HTSD	Bus Bar	Cable	IHVTSDB100

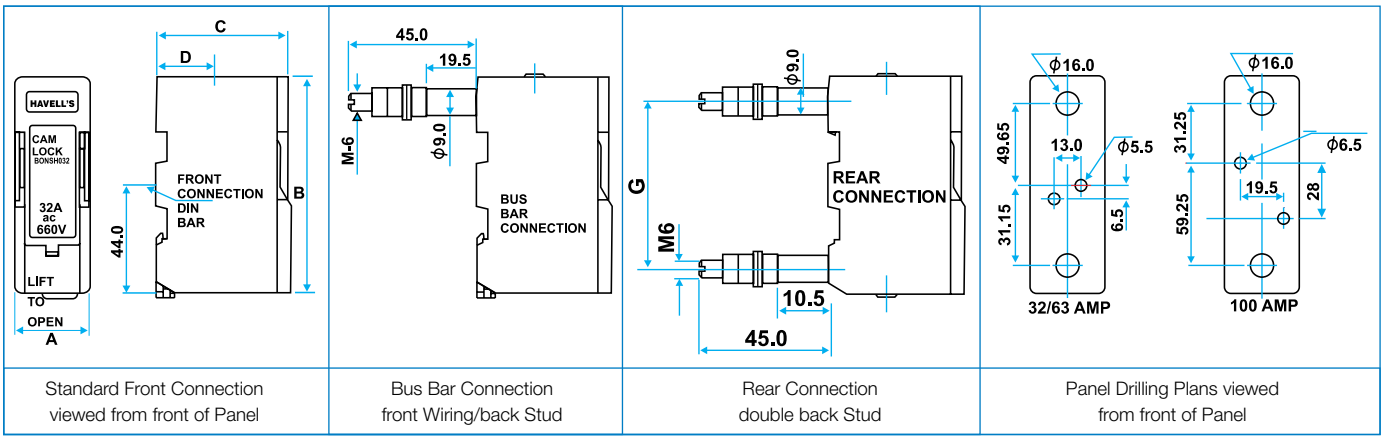
Rear Connection

Current Rating	Type of Fuse	Type of Connection I/C	O/G	Cat. No.
20A	HNS	Bus Bar	Bus Bar	IHVONSR020
32A	HTIA	Bus Bar	Bus Bar	IHVTIAR032
63A	HTSS	Bus Bar	Bus Bar	IHVTSSR063
100A	HTSD	Bus Bar	Bus Bar	IHVTSDR100

Dimensional Details (in mm)

Fuse Link Size A2, A3, A4

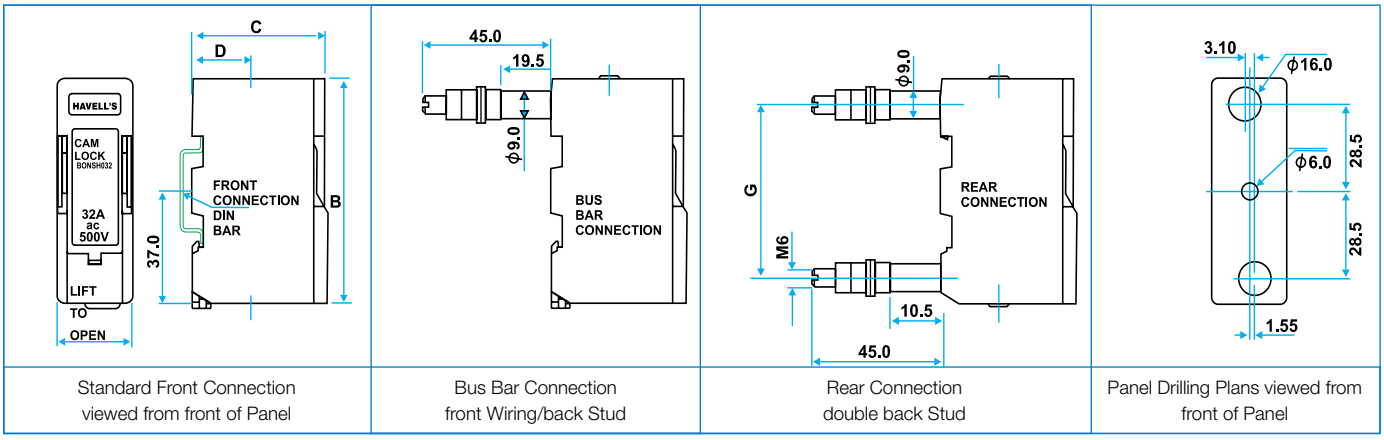
HBS Fuse Holders-Bolted Type Size A2 & A3, A4



Standard Front Connection viewed from front of Panel	Bus Bar Connection front Wiring/back Stud	Rear Connection double back Stud	Panel Drilling Plans viewed from front of Panel

Description	Cat.No.	Max Voltage Rating (ac)	A	B	C	D	G	Fuse Type
32A HRC FF Cam Lock Front Connection	IHVTIAH032	660V	34.8	113	60.0	21.2	80.8	HTIA
32A HRC FF Cam Lock BUS BAR Connection	IHVTIAB032	660V	34.8	113	60.0	21.2	80.8	HTIA
32A HRC FF Cam Lock Rear Connection	IHVTIAR032	660V	34.8	113	60.0	21.2	80.8	HTIA
63A HRC FF Cam Lock Front Connection	IHVTSSH063	660V	34.8	113	60.0	21.2	80.8	HTSS
63A HRC FF Cam Lock BUS BAR Connection	IHVTSSB063	660V	34.8	113	60.0	21.2	80.8	HTSS
63A HRC FF Cam Lock Rear Connection	IHVTSSR063	660V	34.8	113	60.0	21.2	80.8	HTSS
100A HRC FF Cam Lock Front Connection	IHVTSDH100	660V	40.0	125	63.4	23.0	90.5	HTSD
100A HRC FF Cam Lock BUS BAR Connection	IHVTSDB100	660V	40.0	125	63.4	23.0	90.5	HTSD
100A HRC FF Cam Lock Rear Connection	IHVTSDR100	660V	40.0	125	63.4	23.0	90.5	HTSD

HBS FUSE HOLDERS-Bolted Type Size F1



Standard Front Connection viewed from front of Panel	Bus Bar Connection front Wiring/back Stud	Rear Connection double back Stud	Panel Drilling Plans viewed from front of Panel

Description	Cat.No.	Max Voltage Rating (AC)	A	B	C	D	G	Fuse Type
32A HBC FF Cam Lock Front Connection	IHVONSH032	500V	25.5	74	45.5	19	57.0	HNS
32A HBC FF Cam Lock Bus Bar Connection	IHVONSB032	500V	25.5	74	45.5	19	57.0	HNS
32A HBC FF Cam Lock Rear Connection	IHVONSR032	500V	25.5	74	45.5	19	57.0	HNS