



# SWITCHGEARS

**LV HRC - FUSE BASES, VERTICAL DESIGN- 3 POLE 250A, 400A & 630A, SIZE 1, 2, 3.**

LV HRC fuse bases can be combined to form distribution systems having desired number of electrical circuits.

Due to their compact design these are particularly suitable for distribution application in Service Cabinets, Feeder Pillars and Distribution Boards.

The body of the fuse base is made of glass fibre reinforced polyester on which the spring loaded silver/tin plated fuse contacts are mounted. Fuse contacts are covered with shroud of insulating material for added safety against accidental contact.

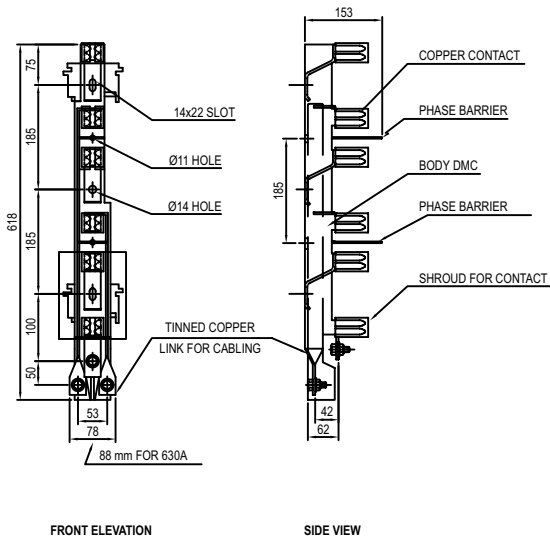
The fuse bases are bolted directly to the bus bars. The terminals of the fuse bases are tin of plated copper.

The LV HRC fuse bases comply generally with DIN 43623:

**Size 1-3 Form B Provided with vertical droppers for cable connection at bottom**

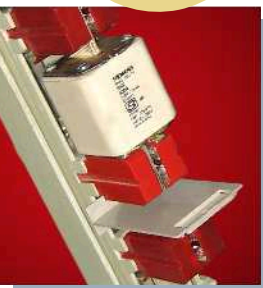
The fuse bases of Sizes 1-3 are suitable for a spacing between bus bar centers of 185 mm and depth of 153 mm.

## Dimensions



## Technical Details

Type/Data	GDVF-3/250A	GDVF-3/400A	GDVF-3/630A
Rated Thermal Current	250A, Size 1	400A, Size 2	630A, Size 3
Rated Operating Voltage	500V, 50Hz	500V, 50Hz	500V, 50Hz
Rated Insulation Voltage	660V	660V	660V
HRC Fuse Links	DIN 43620	DIN 43620	DIN 43620
Short Circuit withstand capacity (Dynamic peak)	10 kA	18.62 kA	22.66 kA
Weight without fuse links	2.650 Kg	3.405 Kg	4.105 Kg
Short Circuit capacity with HRC fuse links	50 kA (Prospective)	50 kA (Prospective)	50 kA (Prospective)



## HRC - FUSE SWITCH, VERTICAL DESIGN FOR BUS BAR MOUNTING

### 250A, 400A & 630A, 415V AC, SIZE 1, 2, 3.

The Fuse Switches are suitable for use in Distribution Boards and Feeder Pillar Boxes. The fuse switches guarantee operating safety against accidental contact and has adequate breaking capacity.

Due to their compact design & easy mounting, it is economical to use vertical type fuse switches in the LV Distribution boards. The overall dimension of the LV Distribution boards are reduced with their use and, therefore, the total cost of the switchgear is thus essentially cutdown.

### Characteristics

- ▶ The fuse switch can be closed on the short circuit fault without danger to the operator.
- ▶ High making and breaking capacity, utilization category AC22 as per IEC 408 and also high degree of short circuit making capacity.
- ▶ Body is made of high quality glass fibre-reinforced polyester (DMC) which is mechanically strong, heat resistant & self extinguishing type. The contacts are of copper silver plated, spring assisted provided with arc of chutes with adequate number of splitter plates for quenching the arc.
- ▶ The downward connections are of electrolytic copper tin plated which are brought to one level at the bottom for cable termination with phase L1 on the left hand side. The hinged front cover is available with painted steel.
- ▶ Protection against accidental contact with live parts even if the switch cover is open.
- ▶ HRC Fuse Switches generally meet the requirement of IEC 408.

### Installation

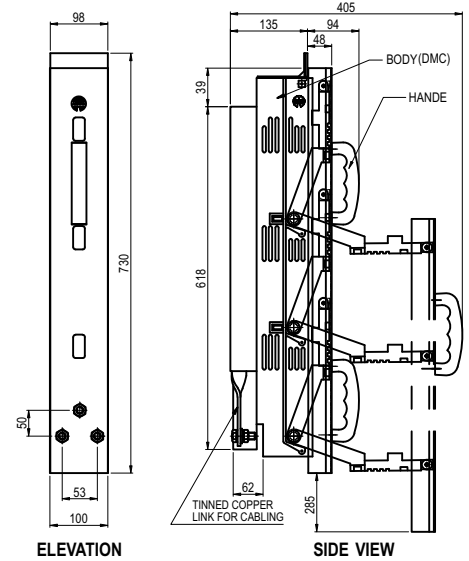
Fuse Switches can be installed in the LV Distribution board at a center to center assembly distance of 100 mm and a depth of 135 mm. These can be directly bolted on the bus bars spacing 185 mm as per DIN 43623 Form B.

Easy cable termination is possible at the bottom of the fuse switches without any strain on the terminals.

**Note:** The company follows a policy of continuous development and improvement of its products and hence products supplied may differ from those described & illustrated in this catalogue.



### Dimensions



### Technical Details

Type/Data	GDVS-3/250A	GDVS-3/400A	GDVS-3/630
Operating Voltage	415V-50 Hz	415V-50 Hz	415V-50 Hz
Rated Thermal Current	250A, Size 1	400A, Size 2	630A, Size 3
Rated Operating Current Category AC 22 at Cos $\phi$ 0.65 as per IEC 408	250A	400A	630A
Making Capacity & Short Circuit Strength	50 kA (with fuse)	50 kA (with fuse)	50 kA (with fuse)
Short time withstand current (1 Sec. rating) as per IEC	5 kA rms	8 kA rms	12 kA rms
Fuze size IEC/DIN	0 - 1	0 - 2	0 - 3
Mechanical Life & No. of Cycles	1000	1000	1000
Ambient Temperature	Upto + 55°C	Upto + 55°C	Upto + 55°C
Weight	6.150 Kg	7.320 Kg	8.050 Kg



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