

General

Two-position mounted loadbreak switch is designed for use in oil pad-mounted transformers.

The switch is hook stick operable and requires minimal input torque to operate. The switch mechanism uses a manually charged, over-toggle, stored energy spring assembly, which is independent of operator speed. The mechanism ensures quick loadbreak or loadmake operation in less than one cycle.

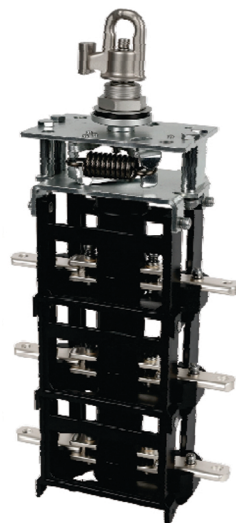


Table 1. Ratings and characteristics

Description	Units	Ratings	
Rated Voltage (Maximum rating phase to phase)	kV	15/25	38/40.5
Power Frequency	Hz	60	60
Current Rating	A	630	630
Rated thermostable current	4 second/kA	20	25
Rated dynamic current	kA	50	63
Impulse withstand Voltage			
To ground and between phases	kV	125	200
Across open contacts	kV	145	215
Power Frequency Withstand (1 minute)			
To ground and between phases	kV	55	95
Across open contacts	kV	60	110
Mechanical life (Minimum Operations)	times	2,000	2,000

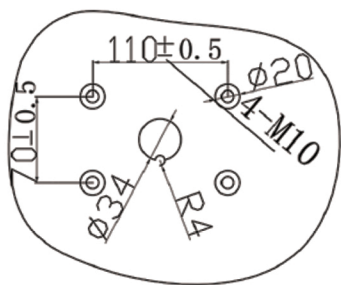


Figure 1. Hole placement(mm)

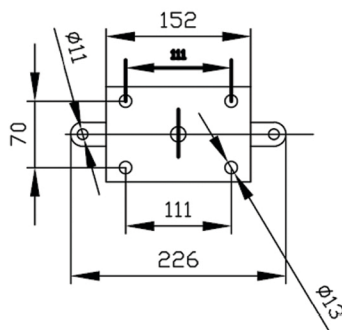


Figure 2. Top side view(mm)

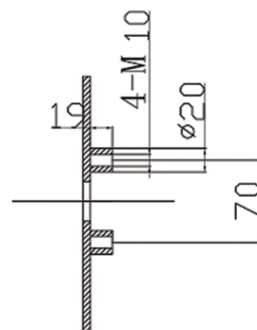


Figure 3. Installation Screw(mm)

Dimensions

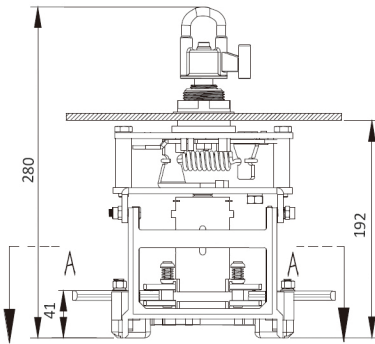


Figure 4.

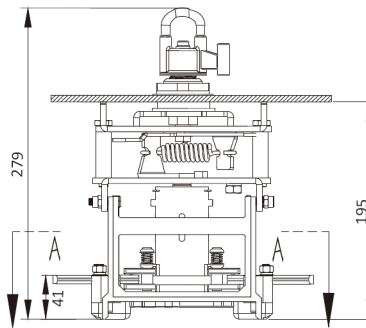


Figure 5.

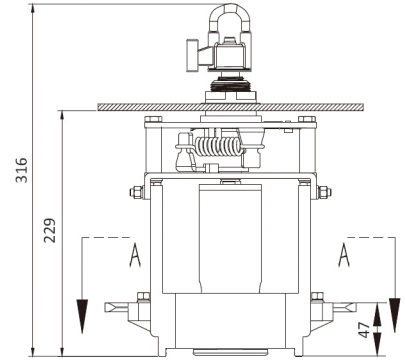


Figure 6.

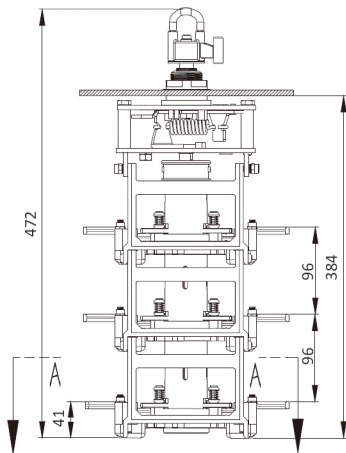


Figure 7.

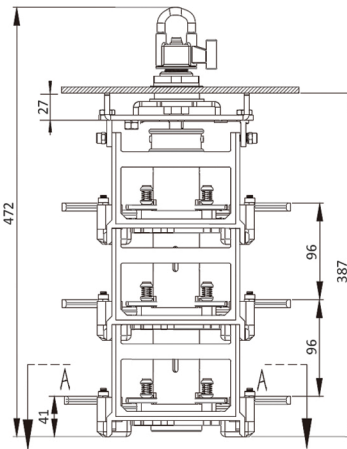


Figure 8.

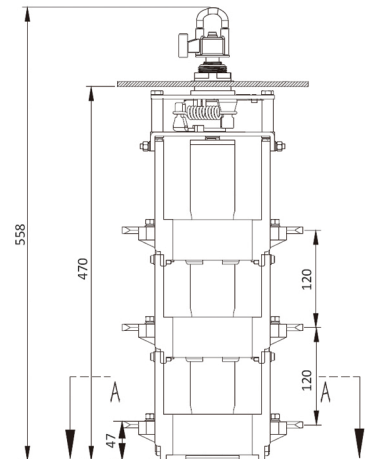


Figure 9.

Notes: All the switches are available for the tank thickness in 6mm to 8mm.

Table 2. Ordering Information

Model	Rated Voltage (kV)	Rated Current (A)	Phase	Dimensions (mm)	Index plate
FYB-(15)25/630-20-J1	15/25	630A	1	Figure 4.	
FYB-(15)25/630-20-J1-L	15/25	630A	1	Figure 5.	
BYFI-(38)40.5/630-25-J1	38/40.5	630A	1	Figure 6.	
FYB-(15)25/630-20	15/25	630A	3	Figure 7.	
FYB-(15)25/630-20-L	15/25	630A	3	Figure 8.	
BYFI-(38)40.5/630-25	38/40.5	630A	3	Figure 9.	