

General

Four position sectionalizing switches can be used on single-phase and three-phase grounded wye or delta systems.

The switches rotate 360° in either direction for alternate source selection. An externally installed limiting plate prevents rotation to positions other than the one desired. A spring-loaded activating mechanism ensures quick loadbreak action and positive contact engagement through all positions.



Ratings and characteristics

Table 1. 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	25	31.5
Rated dynamic current	kA	63	80
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	65	95
Across open contacts	kV	79	118
Mechanical life (Minimum Operations)	times	3,000	3,000

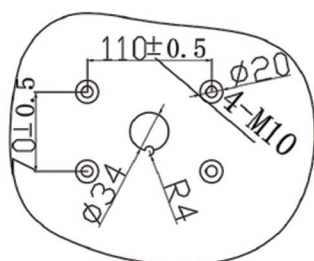


Figure 1. Hole placement(mm)

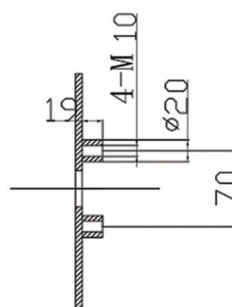


Figure 2. Top side view(mm)

Dimensions

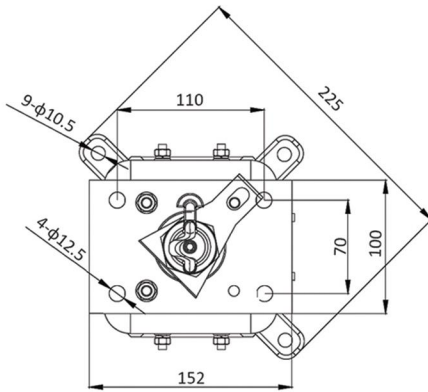


Figure 3.

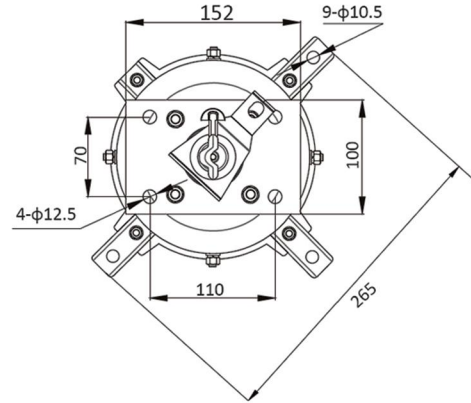


Figure 4.

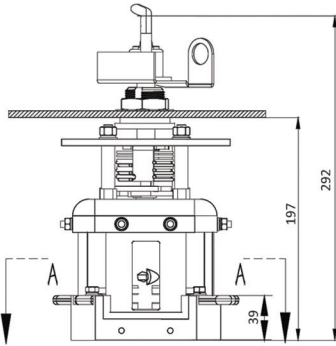


Figure 5.

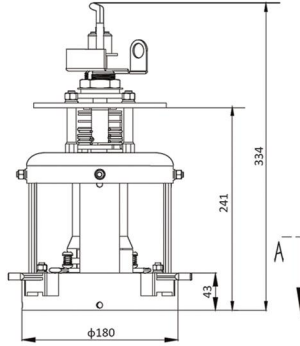


Figure 6.

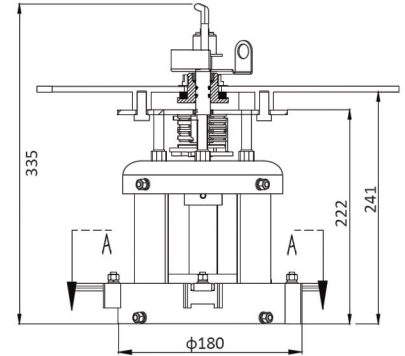


Figure 7.

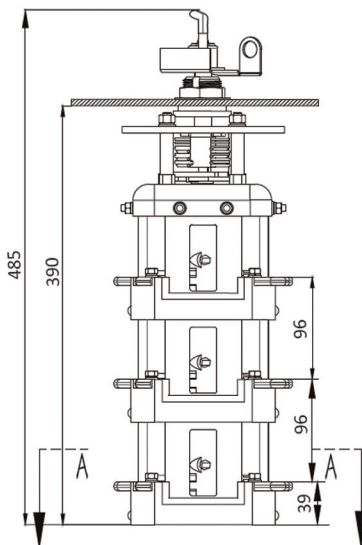


Figure 8.

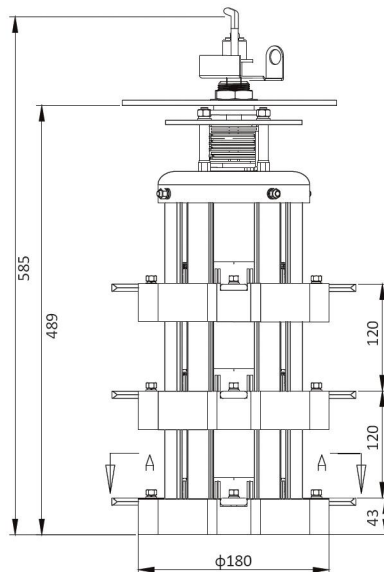


Figure 9.

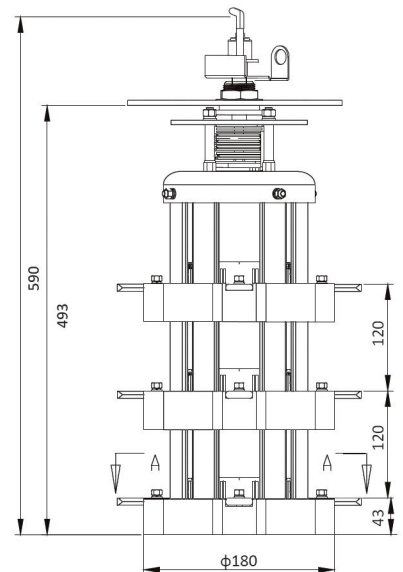


Figure 10.

Deck structure

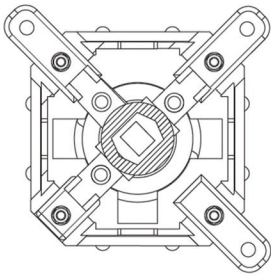


Figure 11.

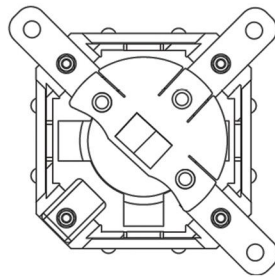


Figure 12.

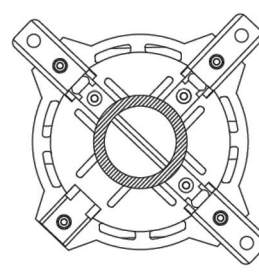


Figure 13.

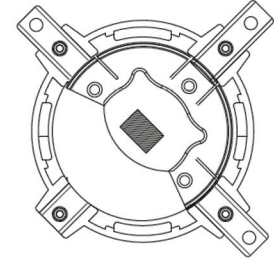
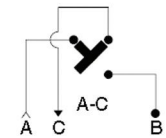
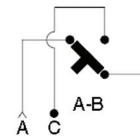
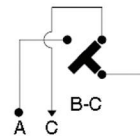
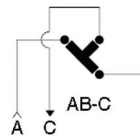
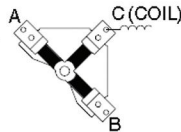


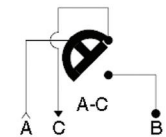
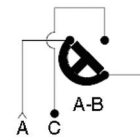
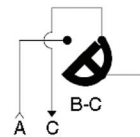
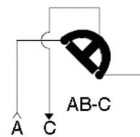
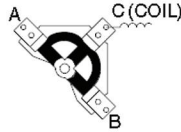
Figure 14.

Table 2. Wiring schematics

T-BLADE
BREAK BEFORE MAKE
LINES A & B TO C
LINE A ONLY TO C LINE B ONLY TO C
LINES A TO B C OPEN



T-BLADE
MAKE BEFORE BREAK
LINES A & B TO C
LINE A ONLY TO C LINE B ONLY TO C
LINES A TO B C OPEN



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

Table 3. Ordering Information

Model	Rated Voltage (kV)	Rated Current (A)	Phase	Dimensions (mm)	Deck structure	Current flow type	Wiring schematics
FYN33-(15)25/630-25-J1	15/25	630	1	Figure 3. Figure 5.	Figure 11.	BBM	T-blade
FYN33-(15)25/630-25	15/25	630	3	Figure 3. Figure 8.	Figure 11.	BBM	T-blade
FYN33-(15)25/630-25-Y-J1	15/25	630	1	Figure 3. Figure 5.	Figure 12.	MBB	T-blade
FYN33-(15)25/630-25-Y	15/25	630	3	Figure 3. Figure 8.	Figure 12.	MBB	T-blade
FYN33-(38)40.5/630-25-J1	38/4.5	630	1	Figure 4. Figure 7.	Figure 13.	BBM	T-blade
FYN33-(38)40.5/630-25	38/4.5	630	3	Figure 4. Figure 9.	Figure 13.	BBM	T-blade
FYN33-(38)40.5/630-25-Y-J1	38/4.5	630	1	Figure 4. Figure 7.	Figure 14.	MBB	T-blade
FYN33-(38)40.5/630-25-Y	38/4.5	630	3	Figure 4. Figure 10.	Figure 14.	MBB	T-blade