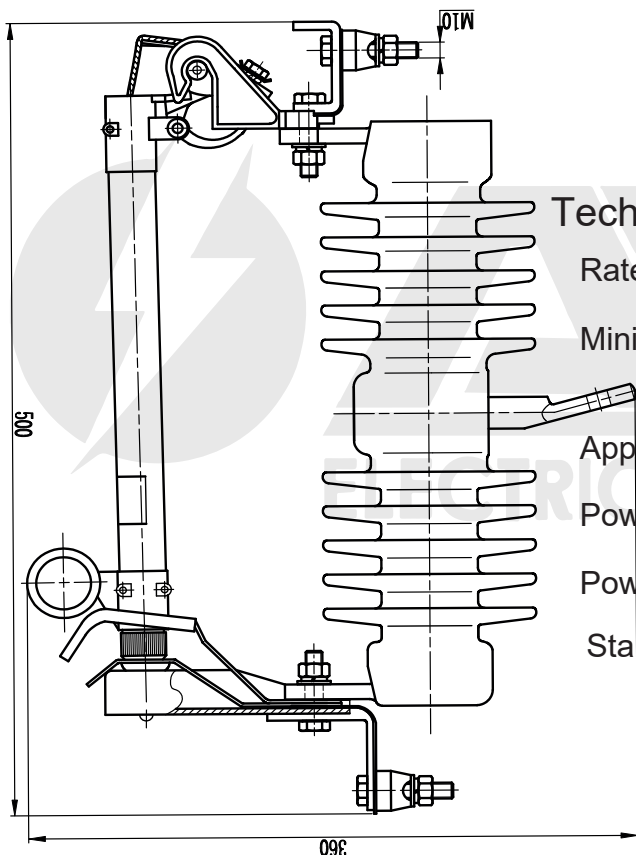# Guaranteed Technical Particulars
Of 27kV Out Door Drop out Fuse Cut-out

1. 27kV Outdoor DOFC PORCELAIN TYPE

Sl no.	Description	Unit	Requirements of IEC 282-2	Particulars of Manufacturer
1.	Manufacturer's name and country	-	To be mentioned	ATP ELECTRIC POWER
2.	Manufacturer's model no.	-	To be mentioned	THC1-27KV/100A
3.	Frequency	Hz	50	50
4.	System nominal voltage	KV	24	27
5.	Breaking capacity	KV	8kA	8kA
6.	Continuous current rating of cut-out	A	100	100
7.	Basic insulation level (BIL) (To earth and between poles)	KV	150	150
8.	Creepage distance	mm		450
9.	Power frequency withstands voltage, dry & wet (To earth and between poles)	KV	70	70
10.	Installation	-	Outdoor	Outdoor
11.	Operating Mechanism	-	Manual	Manual
12.	Mounting position	-	Vertical	Vertical
13.	Type of contact	-	Silver plated	Silver plated
14.	Dimension (LxWxH)	mm	To be mentioned	46.5*39*14
15.	Total weight of unit	Kg	To be mentioned	10.5
16.	Manufacturer's ISO 9001 certificate	-	To be mentioned	
17.	Standard (IEC 282-2/ BS EN ISO 1461:2009/ ANSI-C 37.40, 37.41 & 37.42 and NEMA standard)	-	To be mentioned	(IEC 282-2/ BS 729/ ANSI-C 37.40, 37.41 & 37.42 and NEMA Standard)

ROUTINES TEST FOR FUSE CUTOUT

NO	Test Item	Standard Value	Test value	Evaluation
1	Type	THC1 - 27 KV/100A	27KV-100A	
2	Visual test	No damage for Porcelain and whole fuse cutout	No damage for Porcelain and whole fuse cutout	Passed
3	Contact performance Test	Contact touch performancemore than 75%	Light obscuration test，Contact touch performancemore than 75%	Passed
4	Withstand Voltage Test	Power frequency withstand voltage test,Applied voltage 70kV, Withstood 1min,No flashover	Power frequency withstand voltage test,Applied voltage 70kV, Withstood 1min,No flashover	Fulfilled the requirements.
5	Mechanical stability tests	Open & close 20 times，No deform and No damage	Open & close 20 times，No deform and No damage	Fulfilled the requirements.

Technical

Rated load current: 100A

Minimum current breaking capacity   12kA

Approximate creepage/ leakage distance: 460mm

Power frequency withstand voltage- dry: 45kV

Power frequency withstand voltage- wet: 36kV

Standard specification:IEC 60282-2