

Description:

This product is specially designed as per KE specifications for 12 KV distribution system, locally type tested at Rawat laboratory and successfully delivered hundreds of panels to the largest utility company of Pakistan.



Medium Voltage Distribution

PIX-KE

12kV Air-insulated metal enclosed switchgear
with vacuum switching device

Exclusively designed for K-Electric & Private segment



Main Features:

- Type tested panel (optional)
- Reduced foot-print
- Robust construction
- Dimensioned for indoor installation
- Compartmentalized design
- Loss of service continuity category LSC2B
- Protection class PM
- Easy to install & direct coupling with old design K-Electric panels
- Rear Access without additional rear box
- Pressure relief duct for each compartment (optional)
- Door interlocks for enhanced person safety (optional)
- LV cabinet single & double door type with sealing arrangement
- VCB truck "cassette design"
- VCB operation behind closed door (optional)
- Basic interlocks to avoid operating errors

Applied Standards :

PIX-KE switchgear units meet the following standards and regulations:

Switchgear	IEC 62271-1 IEC 62271-200 (optional)
Circuit-breaker	IEC 62271-100
Current transformers	IEC 61869-2
Voltage transformers	IEC 61869-3
Measuring instruments	IEC 60051
Protection against accidental contact, foreign bodies and water	IEC 60529
Installation	IEC 61936-1

Electrical data

Electrical specification of the switchgear

Rated voltage U_r	[kV]	12
Rated lightning impulse withstand voltage U_p	[kV]	75
Rated power frequency withstand voltage U_d	[kV]	28
Rated normal current I_r	Busbar I_r [A]	630
	Circuit Breaker I_r [A]	
Rated peak withstand current I_p	[kA]	63
Rated short-time current I_k	[kA]	up to 25 (1s)
Rated frequency f_r	[Hz]	50