

## TIEPCO – METERED RING MAIN UNIT

The TIEPCO's Metered Ring Main Unit a Medium Voltage Switchgear made specifically to Saudi Electricity Company's specifications 32-SDMS-02, 32-SDMS-05 & 32-SDMS-06 conforms to the latest IEC 602271-200 standard and is designed and manufactured utilizing the in house expertise and state of the art technology for primary portion from SEL Italy. TIEPCO takes pride in declaring itself the market leader for MRMUs.

### Characteristics

- Metal-enclosed, air-insulated switchgear.
- Suitable for medium voltage distribution.
- Guaranteed arc-proof units.
- Factory-tested for indoor installations.
- Tested in accordance with the main international Standards.
- Wide range of functional units available for all installation solutions.
- Modular structure, easily built-up.
- Highly effective use of space.
- Start-up, maintenance and service operations can be carried out from the front.
- Apparatus handling with the door closed.
- Complete with mechanical safety interlocks.
- Earthing switch with full making capacity.
- Maximum service continuity guaranteed.
- Available in 13.8kV, 36kV and 38kV range.
- Main busbar rating up to 630A.
- Available for indoor and outdoor installation.



## Technical Specifications:

<b>Rated Voltage</b>	17.5KV	36KV	38KV
<b>Operating Voltage</b>	13.8KV	33KV	34.5
<b>Impulse Withstand Voltage</b>	95KV	170-200KV	200KV
<b>Power Frequency Withstand Voltage</b>	38KV	70KV- 85KV	110KV
<b>Short Time Current</b>	21kA/1s	25kA/1s	25kA/1s
<b>Peak Rated Current</b>	52.5KA	62.5kA	62.5kA
<b>Busbar Current</b>	UP TO 630A		
<b>Frequency</b>	60Hz		
<b>Auxiliary Voltage</b>	220VAC/24VDC		
<b>External Protection Degree</b>	IP3X		
<b>Accessibility</b>	FRONT		
<b>Busbar Treatment</b>	BARE COPPER		
<b>Door &amp; Front Panel Painting</b>	RAL 7033		
<b>Structure</b>	GALVANIZED		
<b>Cable Inputs</b>	BOTTOM		
<b>Cable Outputs</b>	BOTTOM		
<b>Development</b>	SINGLE BUSBAR SYSTEM		
<b>SERVICE CONDITION:</b>			
<b>Altitude</b>	1000M ABOVE SEA LEVEL		
<b>Ambient Temperature</b>	FROM -5°C TO +40°C		
<b>Humidity</b>	AVE. VALUE OVER 24H < 95%		
<b>Environment</b>	NORMAL UNPOLLUTED		
<b>APPLICABLE STANDARD:</b>	SEC 32-SDMS – 02, 05 & 06. IEC 62271-100, IEC 62271- 102, IEC 62271- 103 & IEC 62271- 200		