MEGAWIN

| TECHNICAL DATA SHEET - METAL CLAD VCBs – Duvi series | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sl.No | Description | Technical Parameters | | | | | | | Technical Parameters | | | |
| 1 | Description of the Switchgear | Metal clad **Roll-on-Floor** **(H-type)** VCBs | | | | | | | Metal clad **Roll-on-Floor** **(N-type)** VCBs | | | |
| 2 | Standards followed in design, manufacture and testing | IEC 62271-100/200/1 | | | | | | | IEC 62271-100/200/1 | | | |
| 3 | **Panel Type Designation** | **DUVI1516/25-6** | **DUVI1220/25-8** | | | **DUVI1225/25-10** | **DUVI2412/25-10** | **DUVI3616/25-12** | | | | |
| 4 | Rated System Voltage | 15kV | 12kV | 12kV | 12kV | 12kV | 24kV | 36kV | 12kV | 12kV | 24kV | 36kV |
| 5 | Rated Continuous Bus-Bar Current | 1600A | 2000A | 2000A | 2000A | 2500A | 1250A | 1600A | 1600A | 3150A | 2000A | 2000A |
| 6 | Nominal System Voltage & Frequency | 13.4kV, 50Hz | 11kV, 50Hz | 11kV, 50Hz | 11kV, 50Hz | 11kV, 50Hz | 22kV, 50Hz | 11kV, 50Hz | 11kV, 50Hz | 11kV, 50Hz | 22kV, 50Hz | 33kV, 50Hz |
| 7 | One minute Power Frequency Voltage withstand level | 35kVrms | 28kVrms | 28kVrms | 28kVrms | 28kVrms | 50kVrms | 70kVrms | 28kVrms | 28kVrms | 50kVrms | 70kVrms |
| 8 | 1.2/50micro-second Impulse Voltage withstand level | 95kVp | 75kVp | 75kVp | 75kVp | 75kV Peak | 120kV Peak | 170kV Peak | 75kV Peak | 75kV Peak | 120kV Peak | 170kV Peak |
| 9 | Insulation | Air | Air | Air | Air | Air | Air | Air | Air | Air | Air | Air |
| 10 | **Breaker Type Designation** | **DUVI1512/25-6** | **DUVI1208/25-8** | **DUVI1212/25-8** | **DUVI1216/25-8** | **DUVI1220/25-10** | **DUVI2412/25-10** | **DUVI3612/25-10** | | | | |
| 11 | Rated continuous Current carrying capacity | 1250A | 800A | 1250A | 1600A | 2000A | 1250A | 1250A | 630A to 1600A | 3150A | 2000A | 2000A |
| 12 | No. of Poles | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 13 | Rated short time withstand current | 25kA / 3 Sec | 25kA / 3 Sec | 25kA / 3 Sec | 25kA / 3 Sec | 25kA / 3 Sec | 25kA / 3 Sec | 25kA / 3 Sec | 25kA / 3 Sec | 40kA / 3 Sec | 25kA / 3 Sec | 25kA / 3 Sec |
| 14 | Rated short circuit breaking capacity | 25kA rms | 25kA rms | 25kA rms | 25kA rms | 25kA rms | 25kA rms | 25kA rms | 25kA rms | 40kA rms | 25kA rms | 25kA rms |
| 15 | Rated short circuit making capacity | 62.5kAp | 62.5kAp | 62.5kAp | 62.5kAp | 62.5kAp | 62.5kAp | 62.5kAp | 62.5kAp | 100kAp | 62.5kAp | 62.5kAp |
| 16 | Overall Dimensions in millimetres | ( W x D x H ) | ( W x D x H ) | ( W x D x H ) | ( W x D x H ) | ( W x D x H ) | ( W x D x H ) | ( W x D x H ) | ( W x D x H ) | ( W x D x H ) | ( W x D x H ) | ( W x D x H ) |
| | a) Indoor type Panels | **600 x 1400 x 2100** | 800 x 1750 x 2200 | 800 x 1750 x 2200 | 800 x 1750 x 2200 | 1000 x 1750 x 2200 | 1000 x 1750 x 2200 | 1200 x 1750 x 2200 | 800 x 1750 x 2200 | 1000 x 1750 x 2200 | 1000 x 1750 x 2200 | 1200 x 2825 x 2200 |
| | b) Outdoor type Panels | Not available | 800 x 1800 x 2400 | 800 x 1800 x 2400 | 800 x 1800 x 2400 | 1000 x 1800 x 2400 | 1000 x 1800 x 2400 | 1200 x 1800 x 2400 | 800 x 1800 x 2400 | 1000 x 1800 x 2400 | 1000 x 1800 x 2400 | 1200 x 2900 x 2450 |
| 17 | Approx. Panel Weight | 725 | 850 kgs | 910 kgs | 960 kgs | 1150 kgs | 1250 kgs | 1380 kgs | 960 kgs | 1100kgs | 1240kgs | 1310 kgs |
| 18 | Cable Termination Incoming & Outgoing | Bottom / top Cable Entry or Busduct suitable for vertical / horizontal take off | | | | | | | Bottom / top Cable Entry or Busduct or Roof top bushings | | | |
| 19 | Type of operating mechanism | Motorized Spring charged (or) Magnetic Actuator | | | | | | | Motorized Spring charged (or) Magnetic Actuator | | | |
| 20 | Installation | Indoor & Outdoor types available | | | | | | | Indoor & Outdoor types available | | | |
| 21 | Degree of protection | Indoor Type: IP 4X / Outdoor Type: IP:55 | | | | | | | Indoor Type: IP 4X / Outdoor Type: IP:55 | | | |
| 22 | Paint type and shade | Powder Painting to Shade: RAL 7032 | | | | | | | Powder Painting to Shade: RAL 7032 | | | |

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