



TRIDELTA Parafoudres S.A.

Characteristics of type MDC-3 SURGE MONITOR



1. GENERAL

- 1.1 - Overall dimensions : **H 305 x W 145 x D 95**
(see drawing ref. **W 8999 03 00** for further details)
- 1.2 - Display : - **6 digits** electro-mechanical **counter**
- **0 – 100 % ammeter** calibrated for 1.5 mA at 50 %

2. ELECTRICAL PERFORMANCE

- 2.1 - Lightning current impulse operating threshold : **100 A – 8/20**
- 2.2 - Maximum permissible lightning current impulse : **110 kA – 4/10**
- 2.3 - Maximum permissible long duration current impulse : **800 A – 2000 μ s**
- 2.4 - Residual voltage at 10 kA - 8/20 : **< 4 kV peak**
- 2.5- Voltage drop under normal service conditions : **< 10 V rms**

3. MECHANICAL CHARACTERISTICS

- 3.1 - Protection degree : **IP 67**
- 3.2 - Weight : **app. 2 kg**

4. INSTALLATION

- 4.1 - Mounting conditions : through **four oblong slots 6 x 9** on **204 x 132**
- 4.2 - Terminals : **M 12 x L 30 stems** with nut and washers
- 4.3 - Upper connection (surge arrester side) : through covered copper conductor
insulation ≥ 5000 V rms / $S \geq 29^2$ / $L < 3$ m
- 4.4 – Bottom connection (earth side) : through bare copper conductor
 $S \geq 29^2$ / $L < 2$ m

NOTE : all dimensions are given **in millimeters**.