

**ELECTRONSYSTEM MD TECHNICAL SHEET**

Revision 0 of 26 Aug 2021

**APPLICATIONS**

- ENEL Medium Voltage Switchboards

**MAIN CHARACTERISTICS**

- VDS/DY1811 is a voltage detecting system conform to ENEL DY1811/1812
- The device supplies continuously an electrical signal for phase comparison (without indicator) and optical blinking led for voltage indication
- Very wide and bright leds allow simple and safe visibility for personnel encharged in verification
- Suitable for indoor applications
- Fully encapsulated electronics for indicators
- LED life time guaranteed - min. 30 years
- Suitable for panel mounting

**DESCRIPTION**

This capacitive voltage module is used in medium voltage switchgears. The voltage detector indicator and the coupling system is tested and manufactured according to the requirements of ENEL DY1811/1812

The indication of the voltage is displayed with one flashing LED for each phase with a separable indicator. The test sockets for phase comparing are nickel plated. The capacitive module has to be simply adapted to the capacitive bushing or the insulator , in which the module is used.

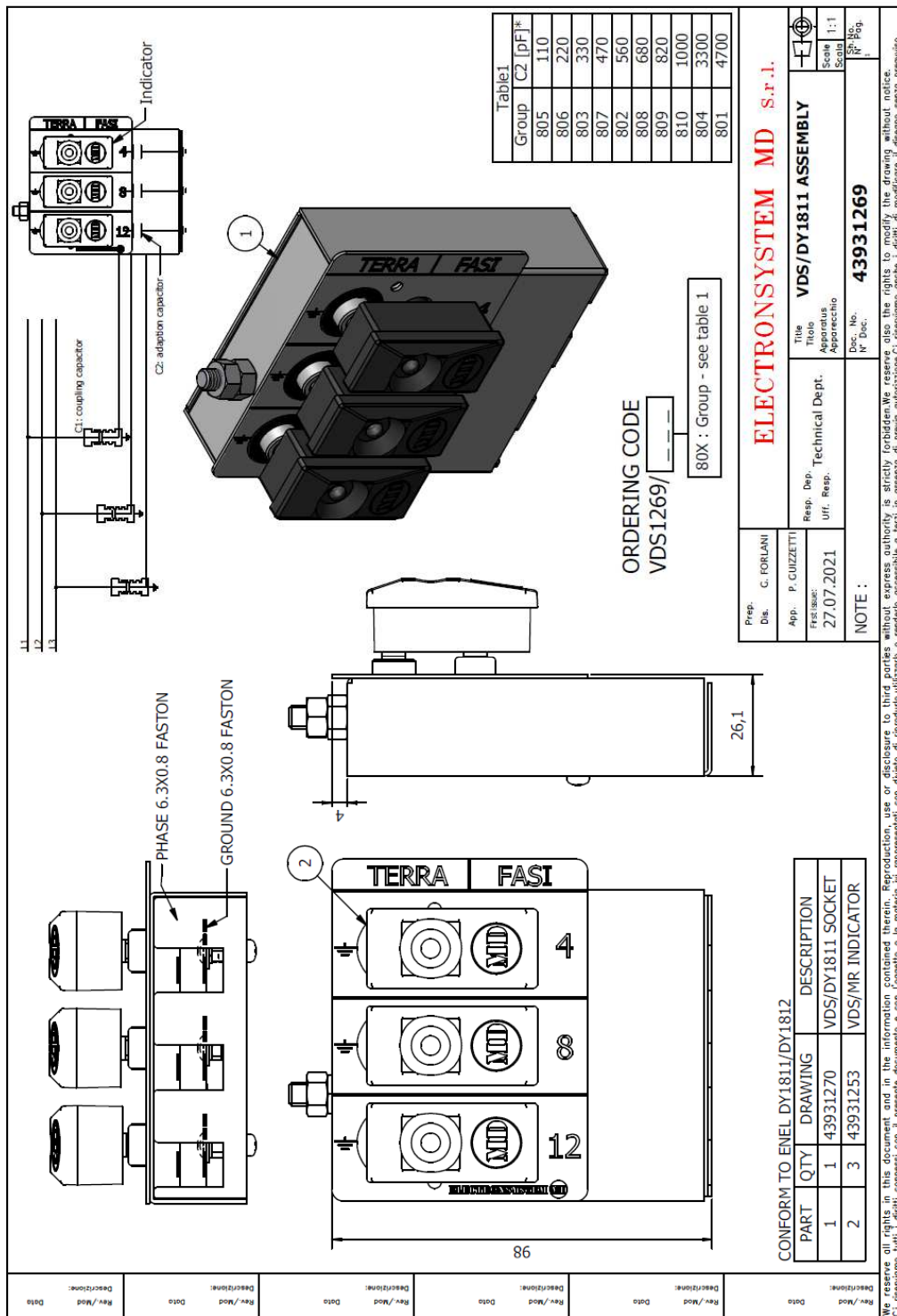
**Electrical characteristics VDS/DY1811**

Coupling capacity range	pF	From 10 to 200
Medium Voltage range	kV	From 10 to 36
Power supply		No auxiliary power requested
Indication		Red led on the indicator
Led Consumption	mW	< 1
Led Intensity	Mcd	3000@20mA
Interface		3 MR measuring socket
Temperature range	°C	-25 to +65
IP degree protection	IP	>2X coupling system, 65 the indicator
Connection input		Faston 6.3x0.8mm
Box		Coupling system: Metal frame zinc plated Indicator: Black painted housing filled by epoxy resin (2 – components)

All specs are subject to change without notice

*Dimension* VDS/DY1811 ASSEMBLY

**Drawing: 43931269**

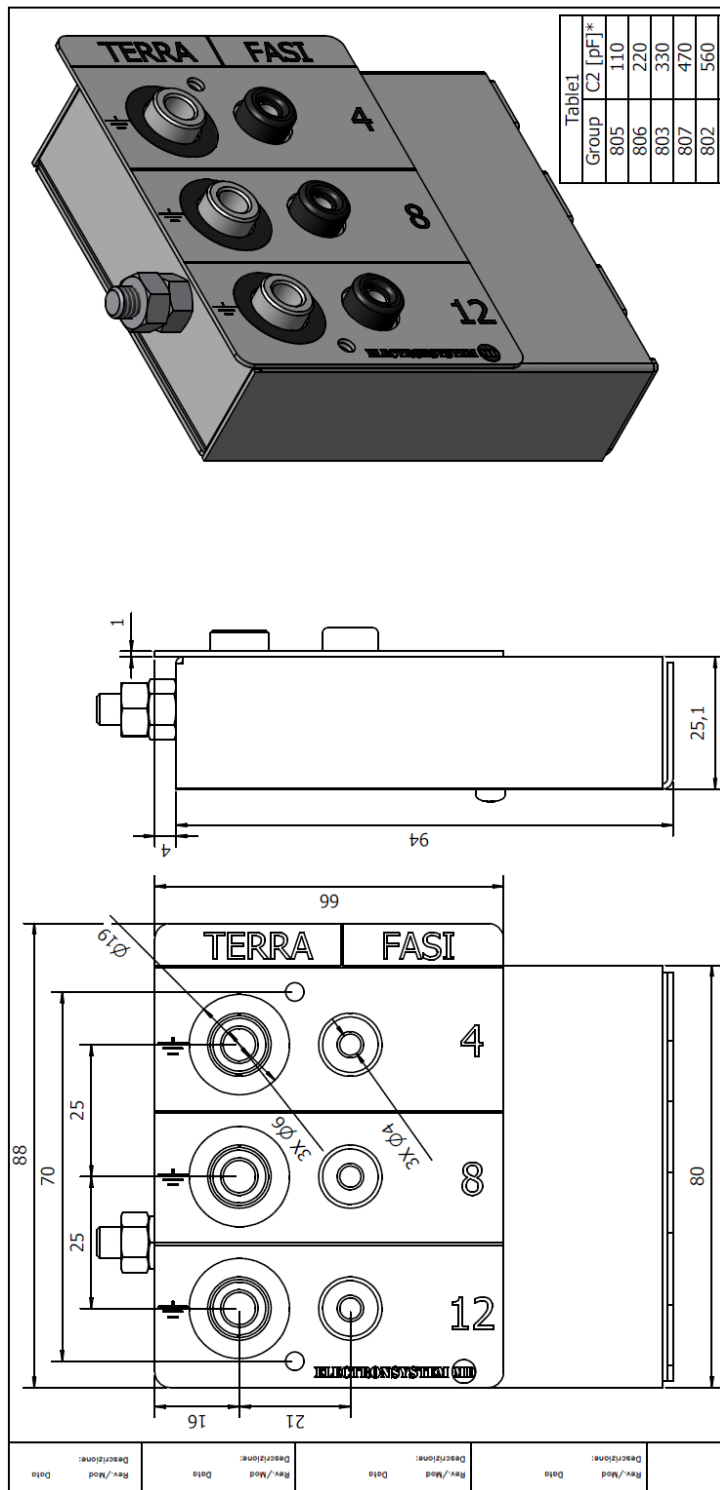


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#### Dimension VDS/DY1811 coupling system

Drawing: 43931270



**ELECTRONSYSTEM MD S.r.l.**

Prep. Dis.	G. FORLANI	Title Apparatus	VDS/DY1811 SOCKET
App. P. GUZZETTI	Resp. Dept.	Technical Dept.	Uff. Resp.
First issue:	27.07.2011	Doc. No.	43931270
NOTE :			

ORDERING CODE  
VDS1270/

80X : Group - see table 1

\* Other values available on request  
CONFORM TO ENEL DY1811/DY1812

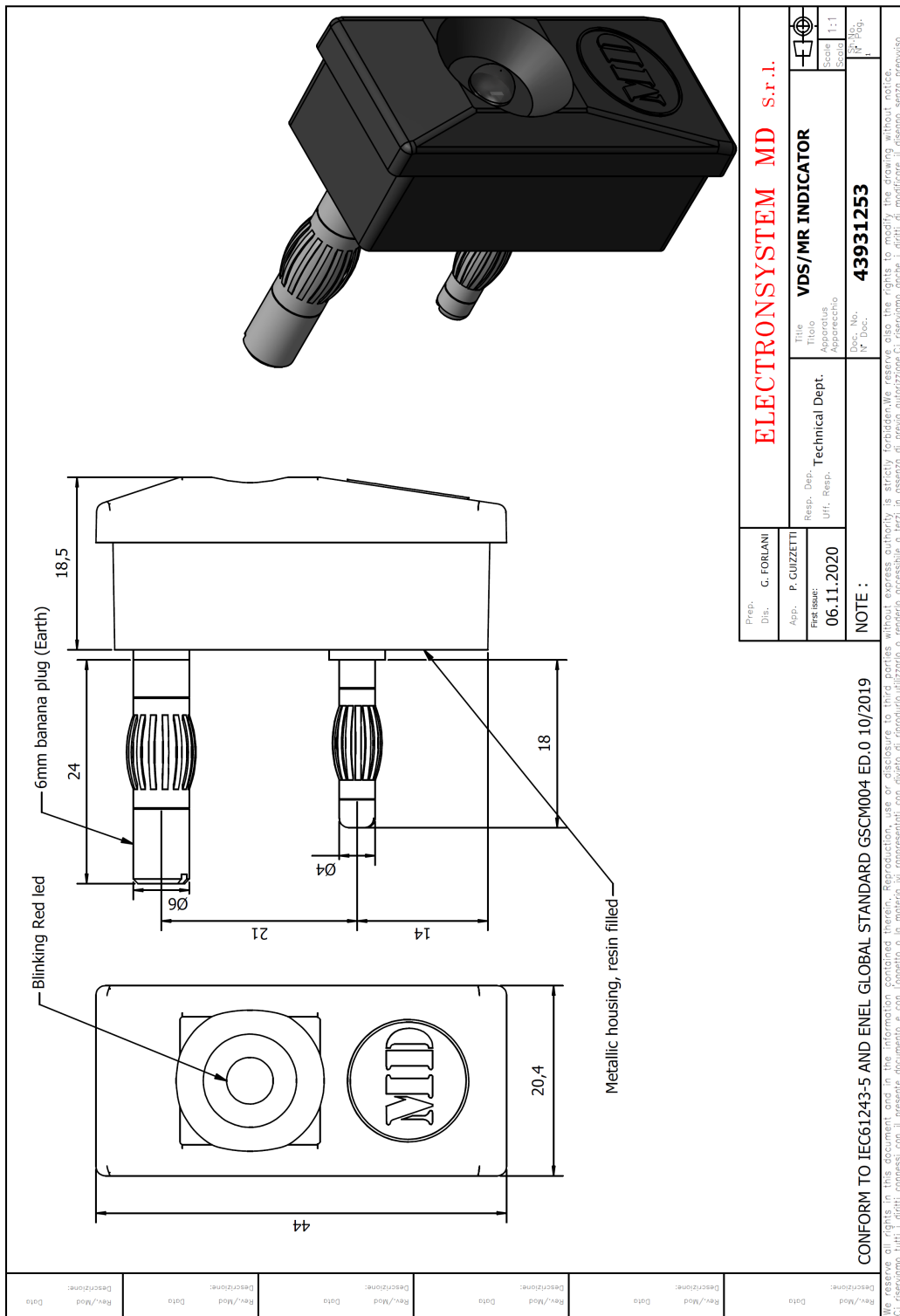
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#### Dimension VDS/MR indicator

Drawing: 43931253



## **STORAGE**

If the complex must be storage before use, please keep dry and packed.  
Do not leave outdoor.

STORAGE TEMPERATURE:  $-30^{\circ}\text{C} \div +70^{\circ}\text{C}$   
RELATIVE HUMIDITY: max 90% @  $+40^{\circ}\text{C}$

## **MAINTENANCE**

Maintenance of VDS/DY1811 assembly is subjected to periodic verification with at least 24 months interval, the last year of maintenance must be indicated on front label by the customer depending on country rules.

## **WARRANTY**

Device is covered by 24 months after installation or max 36 months after delivery.  
In case of service the VDS must be sent back to factory for inspection.

## **WARNINGS**

### **CAUTION**

Do not drop or hit the VDS. The piece is fragile and may break from sudden shock.  
When transporting the piece, use the original shipping box from Electronsystm MD.

### **DISCLAIMER NOTE:**

While we provide application assistance it is up to the customer to determine the suitability for its use.

Specification may change without notice. The information we supply is believed to be accurate and reliable as of this printing.  
However we assume no responsibility for its use.

The quality of Electronsystm MD products is guaranteed by a Quality, Safety and Environmental management system certified by DNV according to ISO 9001, ISO 18001 and ISO 14001. Electronsystm MD works in partnership with its customers in designing customized executions in order to meet specific requirements, please contact us.

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