ELECTRONSYSTEM MD TECHNICAL SHEET

Revision A of 10 March 2023





APPLICATIONS

- **Medium Voltage Switchboards**

MAIN CHARACTERISTICS

- **VPIS is a voltage presence indicating system conform to IEC62271-206 standard**
- **The device supplies continuously an electrical signal for phase comparison and optical blinking led for voltage indication**
- **Very wide and bright leds allow simple and safe visibility for personnel encharged in verification**
- **Dip-switch for fast and simple sensitivity adjustment allow to manage a lot of different applications with only one device reducing a lot the stock cost**
- **LED life time guaranteed - min. 30 years**
- **Suitable for panel mounting**

DESCRIPTION

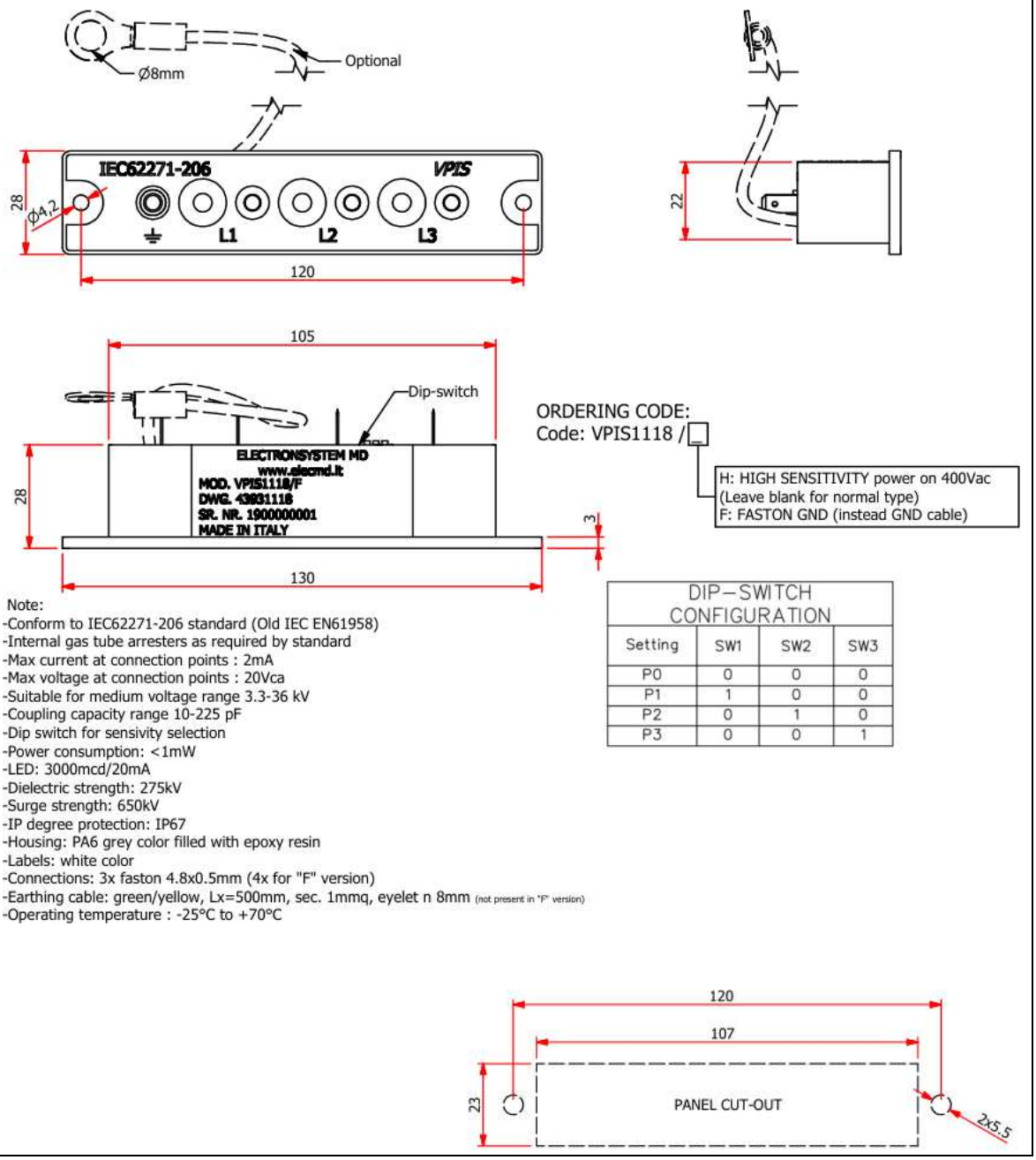
This capacitive voltage module is used in medium voltage switchgears. The voltage detector module is tested and manufactured according to the requirements of IEC 62271-206.
The indication of the voltage is displayed permanently with one flashing LED for each phase. The test sockets for phase comparing are nickel plated. The capacitive module has to be simply adapted to the capacitive bushing or the insulator , in which the module is used, by rear dipswitch and the selection is very easy and can be done just before shipment simplifying a lot stock management and cost.

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Dimension VPIS/36

Drawing: 4393118



ORDERING CODE:
Code: VPIS1118 / ☐

H: HIGH SENSITIVITY power on 400Vac
(Leave blank for normal type)
F: FASTON GND (instead GND cable)

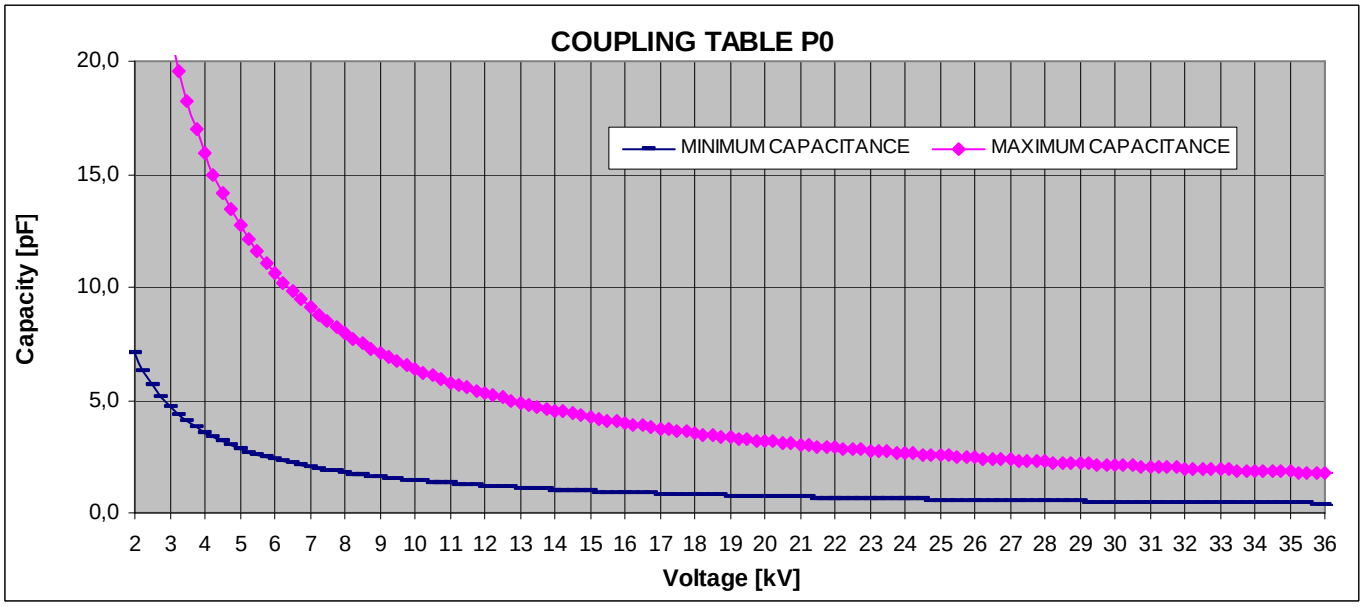
DIP–SWITCH CONFIGURATION			
Setting	SW1	SW2	SW3
P0	0	0	0
P1	1	0	0
P2	0	1	0
P3	0	0	1

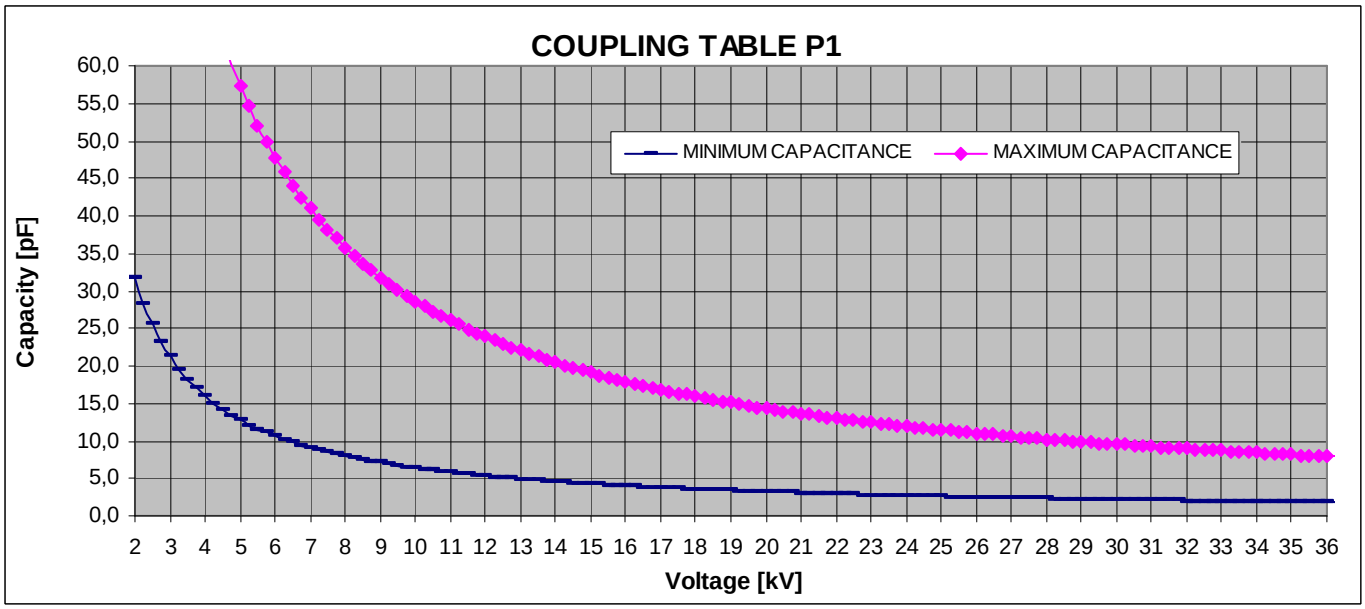
Note:
-Conform to IEC62271-206 standard (Old IEC EN61958)
-Internal gas tube arresters as required by standard
-Max current at connection points : 2mA
-Max voltage at connection points : 20Vca
-Suitable for medium voltage range 3.3-36 kV
-Coupling capacity range 10-225 pF
-Dip switch for sensivity selection
-Power consumption: <1mW
-LED: 3000mcd/20mA
-Dielectric strength: 275kV
-Surge strength: 650kV
-IP degree protection: IP67
-Housing: PA6 grey color filled with epoxy resin
-Labels: white color
-Connections: 3x faston 4.8x0.5mm (4x for "F" version)
-Earthing cable: green/yellow, Lx=500mm, sec. 1mmq, eyelet n 8mm (not present in "F" version)
-Operating temperature : -25°C to +70°C

Electrical characteristics VPIS/36

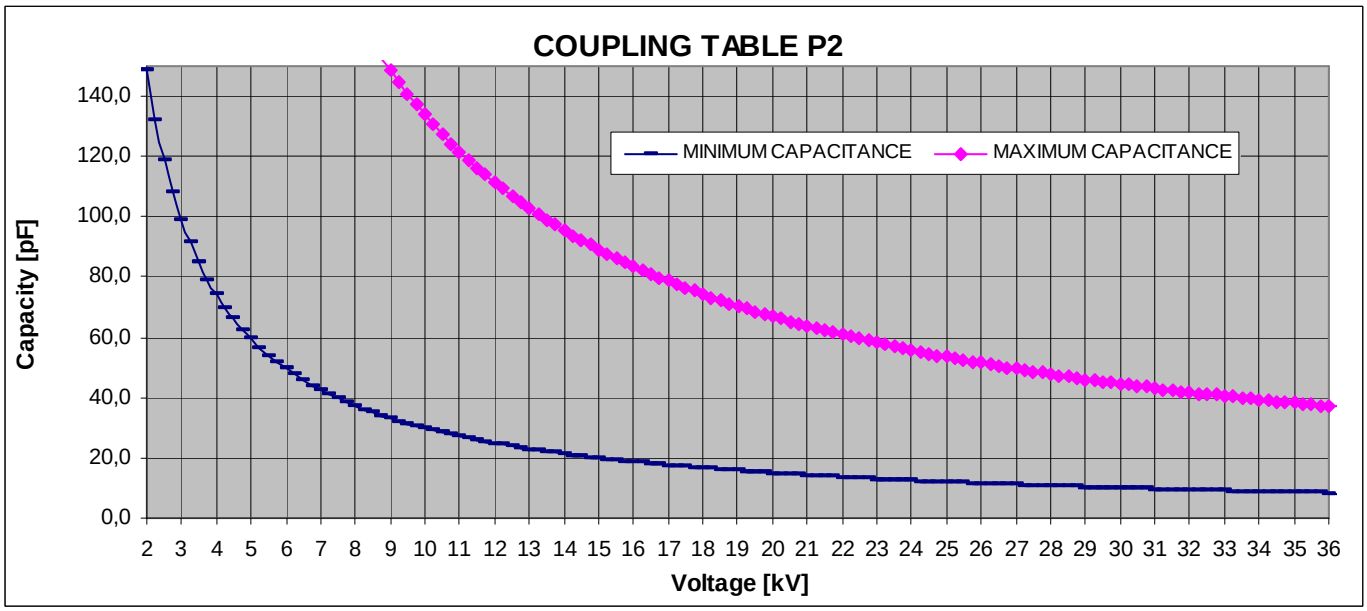
Coupling capacity range	pF	From 10 to 225
Medium Voltage range	kV	From 3.3 to 36

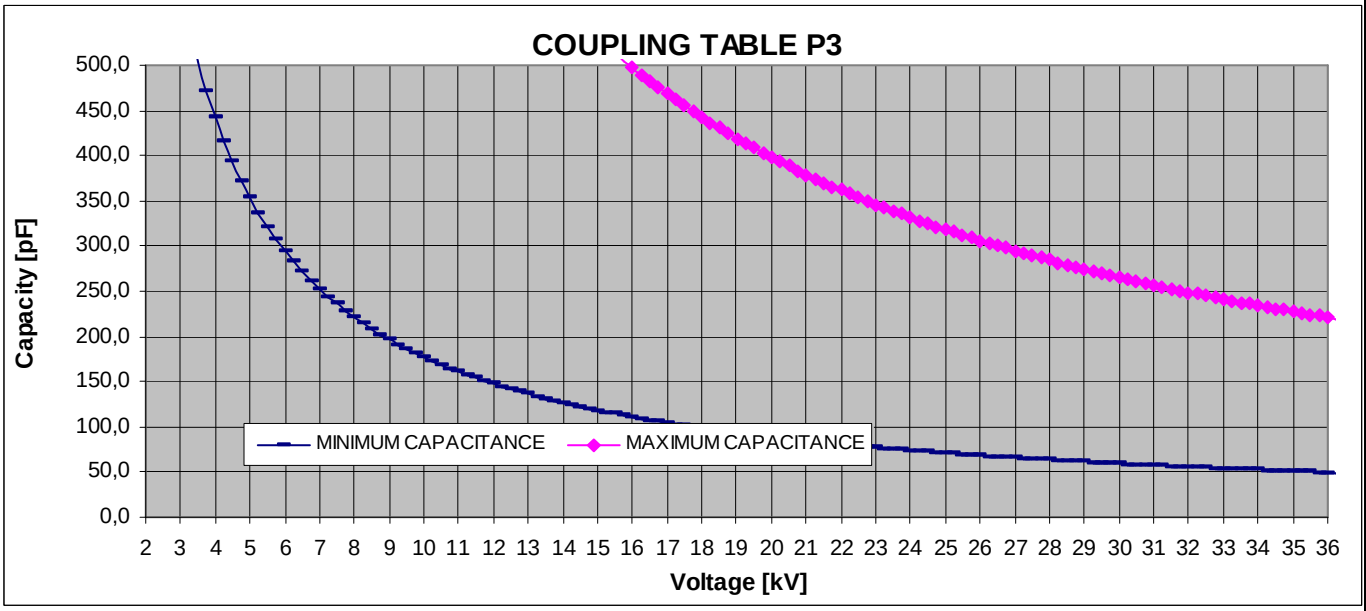
Coupling table





Coupling table





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Accessories VPIS/36

Coaxial cable
Drawing: 43922293

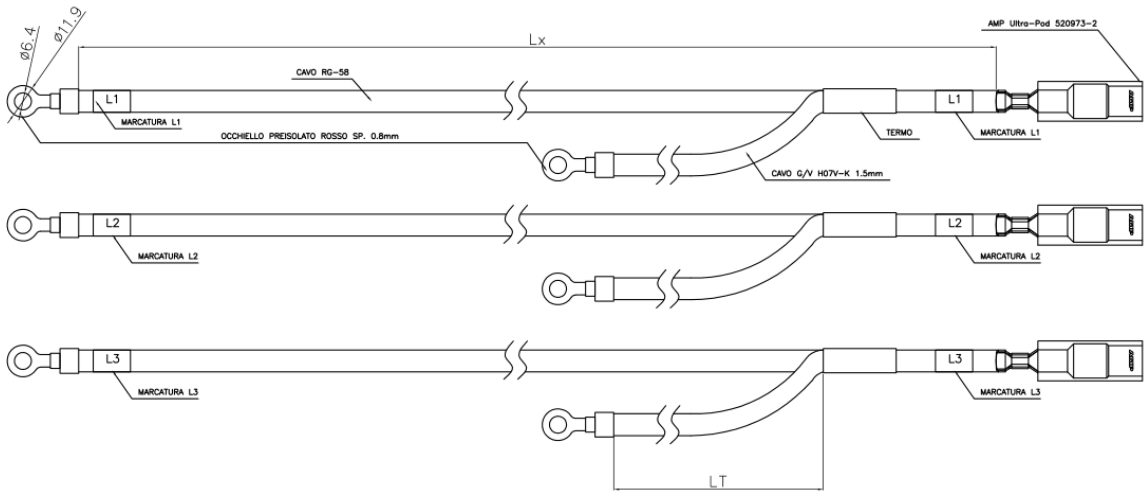


TABELLA DEFINIZIONE Lx (mm)				
	L1	L2	L3	LT
fig.1	2140	2370	2600	250
fig.2	2600	2950	3100	250
fig.3	3600	3900	4200	250
fig.4	5900	6200	6500	250
fig.5	5000	4700	4400	1000
fig.6	7000	6700	6400	1000

Electronsystem MD work in partnership with its customers in designing customized executions in order to meet specific requirements, please contact us.

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