



# Voltage Absence Presence Relay VAPR

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## INSTRUCTIONS FOR USE

Type: MAXETA VR-3/24

### 1. General

The purpose of the voltage absence presence relay (VAPR) is to make a potential free relay signal about the voltage condition of the main circuit of the switchgear in which they are installed.

The relay is to be used together with Maxeta capacitive voltage indicating systems

An auxiliary voltage is needed for operation.

### 2. Relay functions.

Relay activated

Voltage present on L1 or L2 or L3

Relay deactivated

Voltage absence on L1 and L2 and L3

**The relay will always be in deactivated position if the auxiliary voltage is in off state**

The relay function may differ from this if phase comparator is connected to the connection points.

**If the relay is used to switch an inductive load, suppressor shall be fitted to the load!!**

### WARNING!

**The function of VAPR alone is not sufficient to prove that the system is dead.**

### 3. Labels and markings.

The VAPR has the following markings

- Type of relay
- Serial number
- Auxiliary voltage
- Markings of connections L1,L2,L3

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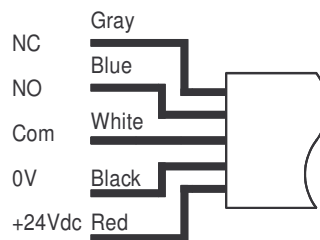
# Voltage Absence Presence Relay VAPR

## 5. Technical data.

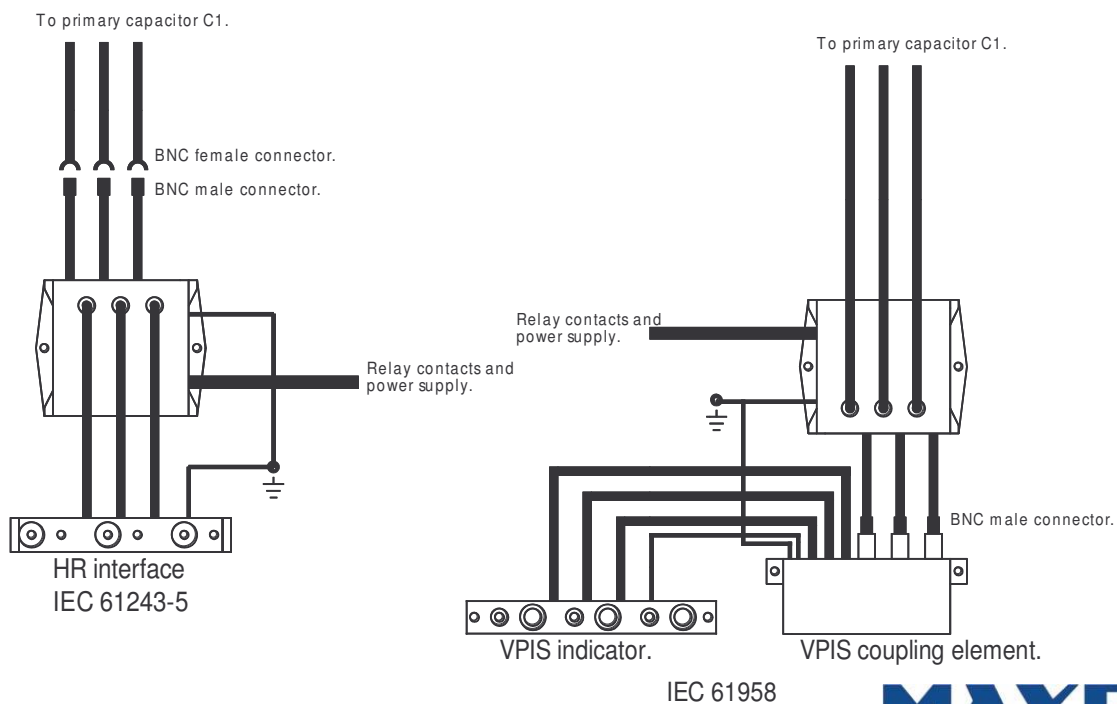
Operating frequency	:	50/60Hz
Input capacitance	:	Approx 120pF
Response time	:	Approx. 1second
Auxiliary voltage	:	24Vdc
Power consumption	:	Max 50mA
Operating temperature range	:	-25° - +55°C
Contact rating*	:	200 VDC / 60W / 2A 250 VAC / 125VA / 2A
Insulation resistance between contacts and electronic circuits	:	1000 VAC for 1 minute
Size WxHxD	:	102x77x22

\*If inductive loads, supressor must be fitted to load.

Connections:



Examples of connection to capacitive voltage indicating systems:



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