

MODEL

A71 VDS LRM

DESCRIPTION

The voltage detector is a fixed visual presence-voltage detection device for Medium-Voltage electrical distribution boards complying with product standard IEC 61243-5.

The visual indication is LED indicators of amber color. Connections to phases L1, L2, L3 and grounding are available on the back by fast-on type connections and on the front by plug bushing type connections (diameter 4 mm, length 19 mm, pitch between each phase bushing and the single earth point 14 mm)

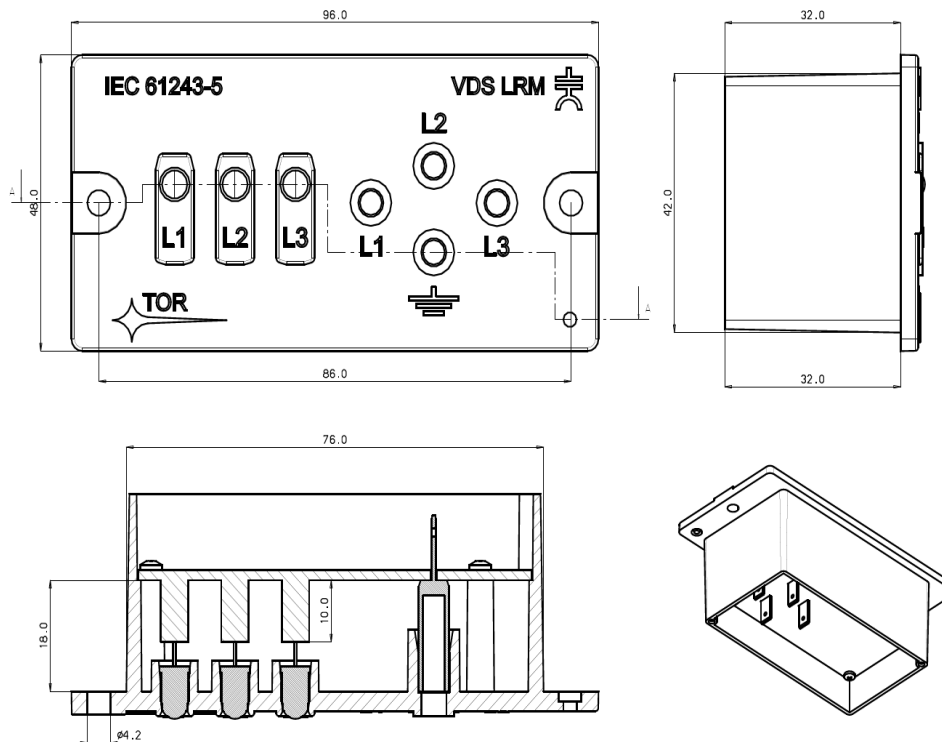
FEATURES

- Panel mounting (two mounting holes)
- Rear fast-on connections 4mm
- Front bushings with a diameter of 4mm

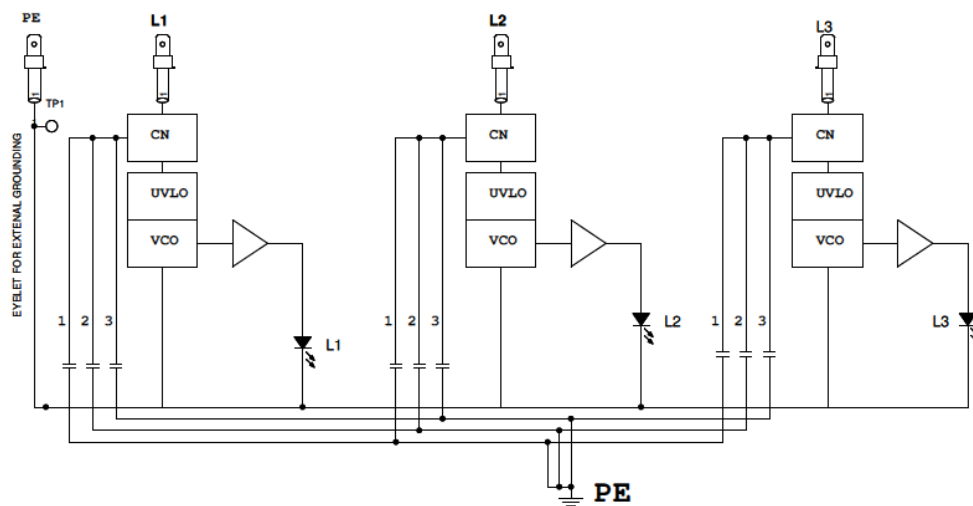
	TECHNICAL FEATURES	UNIT	VALUE	REV
1.	Phase Voltage range - U_N	kVac	24 -36	
2.	Line Frequency	Hz	47 ~ 53	
3.	Indicator	--	LED – amber color	
4.	Angle of view (vs center line)	degre	30°	
5.	Threshold on-current IVDS - I_t	uA	1,67 – 2,5uA	
6.	Threshold on Voltage - IVDS - U_T (range)	VAC	4V (4-5VAC)	
7.	Impedence IVDS - X_C range	OHM	2 – 2,4 MEG	
8.	Nr ground connections (total) - back panel	--	1x Faston 0,8x6,35	
9.	Nr phase connections - for each phase - back panel	--	1x Faston 0,8x6,35	
10.	Nr ground bushing (total) – front panel	--	1x Bushing diam 4 mm x 19 mm	
11.	Nr phase bushings - for each phase - front panel	--	1x Bushing diam 4 mm x 19 mm	
12.	Compensation capacitors (customizable*)		Tbd (1*)	
13.	Humidity without condensation – RH	%	95%	
14.	Operating Temperature IEC60068-2-3	°C	- 25 ~ +55	
15.	Storage Temperature	°C	- 25 ~ +55	
16.	Front connections - bushings	Ø	4mm	
17.	Front connections - fast-on	--	4,75 x 0,8	
18.	IP protection code - EN 60529	--	IP20	
19.	Case	--	Polycarbonate	
20.	Execution	--	Open frame container (back)	
21.	Dimensions LxDxP	mm	96 x48 x 35	
22.	Vibrations – sinusoidal 3-axes - IEC60068-2-6 Built-to meet	Hz/mm/G	10 / 0,3 / 0,6 58/ 0,3 / 19,6 150/ 0,041 / 19,6	
23.	Impact – IEC60068-2-63	G/msec	1 JOULE	
24.	Standard	--	IEC61243-5:2002	

* The value of the compensation capacitor depends on the specific VDS integration application (capacitance of the coupling electrode and its connection to the measurement point)

OUTLINE



BLOCK DIAGRAM



CODE	DESCRIPTION
A71VDSLRLM	VDS Voltage Detecting System IEC 61243-5 - LRM Low Resistance Modified C1=16pF