

Converter for led lamps FE

FTRE - AC voltage BTA - Test lamp

Faz/engineering 
Innovative and industrial signage and applications

by **Fazim**/Group 



Reference :

TRE + VOLTAGE + CA + COLOR + 22

Example : TRE230CAO22

Generalities

The FTRE converter allows driving any led lamps of FazimGroup brand with test lamp and with a very low voltage 24 Vac for the « voltage presence » function. This device is provided with one lamp FE24Vac, but you can wired until 6 lamps FE24Vac.

Description

- Lamp body : Co-polyamide , fixing plastic nut, diameter 22 mm (0,866"), IK10, IP67 in front face, through the flat gasket provided, RoHS compliant, CE, UL 94 V-0.
- Lamp front face : 3 color LED : red (R), green (V), yellow (J), amber (I), white (Bc), orange (O) or blue (Be) high brightness + 1 cap matches the colors of LED : Red, Green, Blue, Orange, Yellow or Transparent for White.
- Converter enclosure : beige polyamide PA6 (UL 94-HB), rail DIN foot black polyamide PA66 (UL 94-V2).

Technical specifications

- Voltages (+/-20%) 50/60Hz, and consumptions between phase & Neutral or 2 phases :

Colors \ Voltages			230Vac				
R, J, I, O			325 mVA Cos φ : 0.8 Inductive				
V, B, Bc			260 mVA Cos φ : 0.8 Inductive				

(Available too with Lamp Ø30mm)

- Conformities : Norms EN55015, EN61547, EN61000-6-2, EN61000-6-4, RoHS, Reach, CE.
- Lifetime (MTBF*) : 100 000 hours.
- Operating temperature : -30°C à +70°C (22°F to 158°F).
- IP protection standard : IP67 (lamp).
- IK protection standard : IK10 (lamp).

(* : mean time between failure)

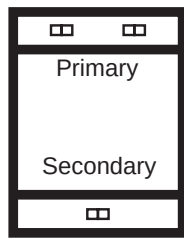
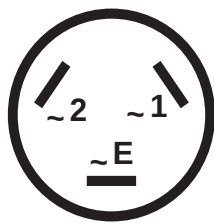
Advantages

- Insensitivity to vibrations, mechanical shocks.
- Resistance to moisture and water splashes.
- Electrical shocks resist : 5KV during 50µs.
- Immunity against magnetic fields.
- Assembly and disassembly easy, fast and secure .
- Exceptionally long life and unparalleled.
- Low power consumption and heat dissipation.
- Custom writing, custom silk-screen printing ability..



Connections

- Lamp : 3 quick-fits male 6.3mm (0.248")
- Converter : 3 screw terminals.



1 2 to lamp

2 terminals on primary :

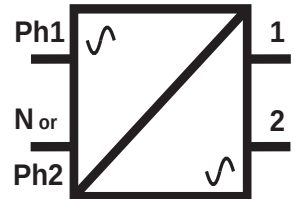
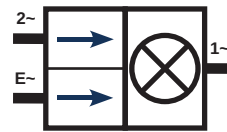
Terminal 1 = Ph1,
Terminal 2 = Neutral or Ph2.

1 terminal on secondary :
Pin number 1 converter to
number 1 Lamp, 2 to push button.

Galvanic isolation between primary and secondary

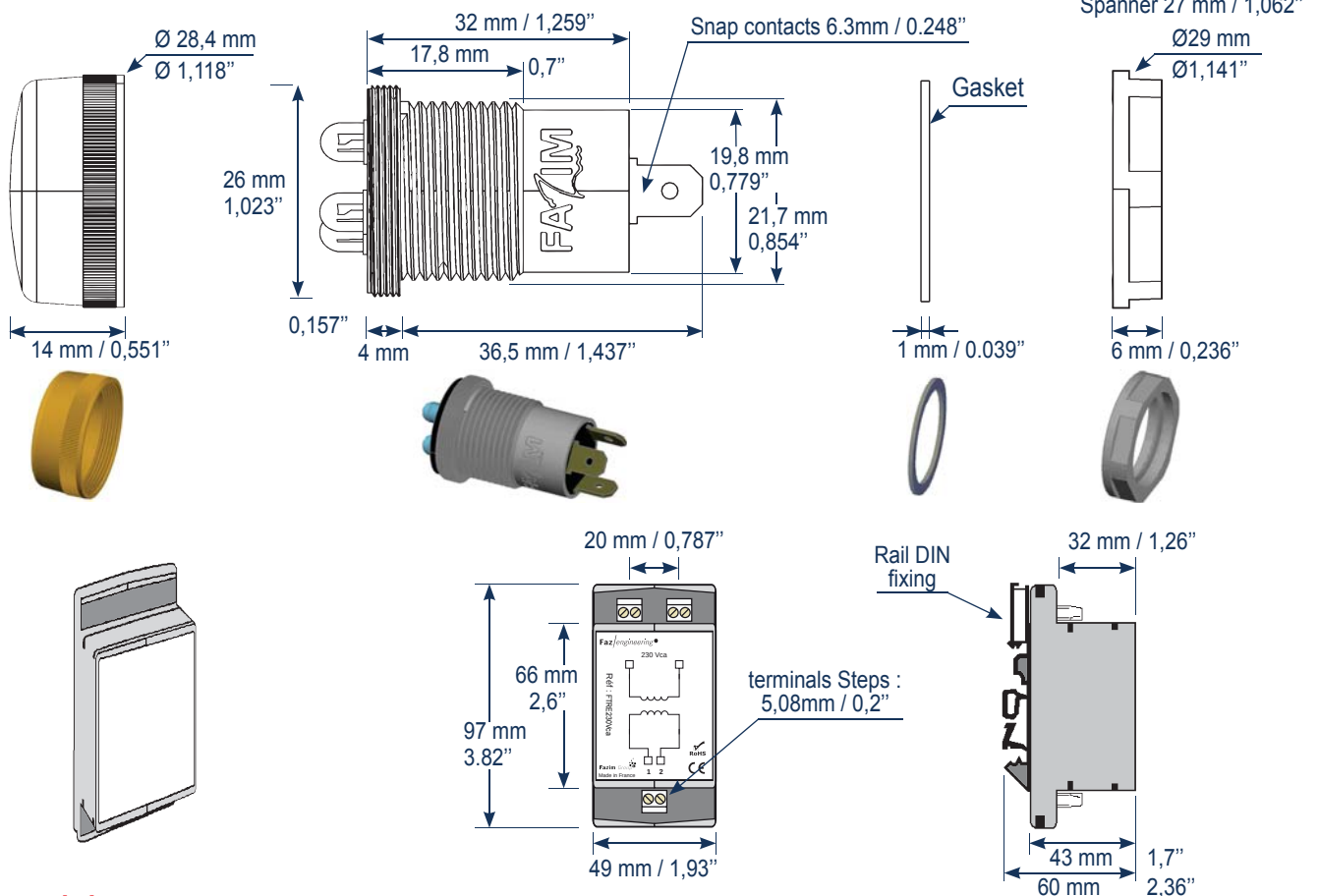
Lamp :

Converter :

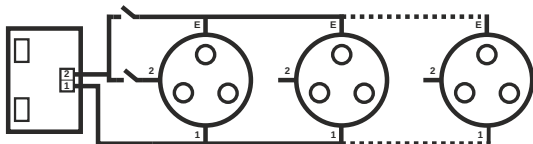


Mechanical specifications

- Fixing : standard drilling Ø22mm +/-0.5mm ; (Ø 0.866").



Working



Options & warranty

- Options : Other voltages and frequencies on request, anti harmonic filter, lamp Ø30mm, LED color, cap color, output wiring terminals or snap contact with screw...
- Warranty : 24 months manufacturer. No quick-fit terminal male must be welded or lose the guarantee.
- Recommendation : The Quick-Fit Terminal Male must be completely covered with isolation that can be removed only by destruction.