

Lamp with transformer

FTHNTRFI - Three-phase BTA - Ø30mm



Reference :

HNTR + VOLTAGE + CA + COLORS + 30

Example : HNTR400CARVJ30
+ filter option

Generalities

The three-phase **FTHNTRFI** signal lamps are intended for the « three-phase voltage presence » function with an anti-harmonic filter protect and wiring neutral. these devices are a 3 in 1 ! Thank to the converter box, the LED lamp, at very low-voltage (<48V), can be mounted on electrical cabinet door with safety.

Description

- Body : Co-polyamide , fixing plastic nut, diameter 30 mm (1.181"), IK10, IP67 in front face, through the flat gasket provided, RoHS compliant, CE, UL 94 V-0. (also available with LED lamp diameter 22 mm).
- Front face : 3 color LED : red (R), green (V), yellow (J), white (Bc), ou blue (Be) high brightness, + 1 transparent cap. See also FTTNTR version, with LED arranged in triangle.
- Converter enclosure : beige polyamide PA6 (UL 94-HB), rail DIN foot black polyamide PA66 (UL 94-V2).

Technical specifications

- BTA voltages (<500Vca) (+/-20%) 50/60Hz, and consumptions :

Voltages \ Colors	110Vac	127Vac	230Vac	400Vac	440Vac	460Vac	490Vac
Cutoff frequencies	2.9 Khz	2.9 Khz	2.9 Khz	2.9 Khz	2.9 Khz	2.9 Khz	2.9 Khz
R, J, I, O	1,85 VA Cos φ : 0.85 Capacitive	2,1 VA Cos φ : 0.85 Capacitive	3,7 VA Cos φ : 0.85 Capacitive	6,4 VA Cos φ : 0.85 Capacitive	12,5 VA Cos φ : 0.50 Capacitive	13 VA Cos φ : 0.50 Capacitive	13,9 VA Cos φ : 0.50 Capacitive
V, B, Bc	1,6 VA Cos φ : 0.85 Capacitive	1,9 VA Cos φ : 0.85 Capacitive	3,25 VA Cos φ : 0.85 Capacitive	5,6 VA Cos φ : 0.85 Capacitive	11,3 VA Cos φ : 0.50 Capacitive	12,9 VA Cos φ : 0.50 Capacitive	13,7 VA Cos φ : 0.50 Capacitive

(see also versions with lamp Ø22mm and no filtered «FTHNTR»)

- 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)

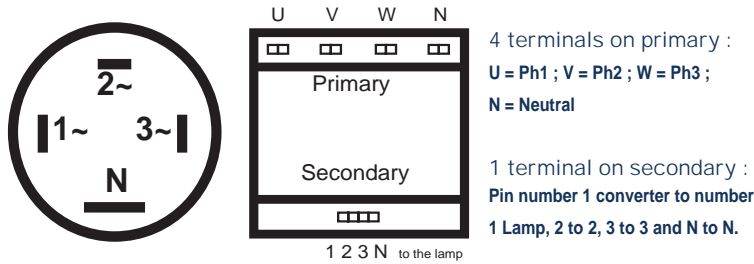
Advantages

- 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.



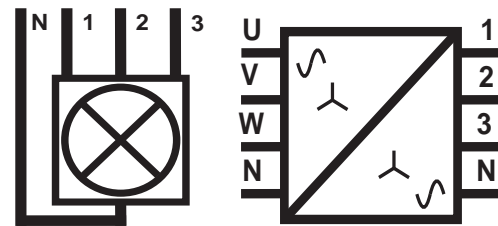
Connections

- Lamp : 3 quick-fits male 2.8mm (0.110") + 6.3mm (Neutral)
- Converter : 5 screw terminals.



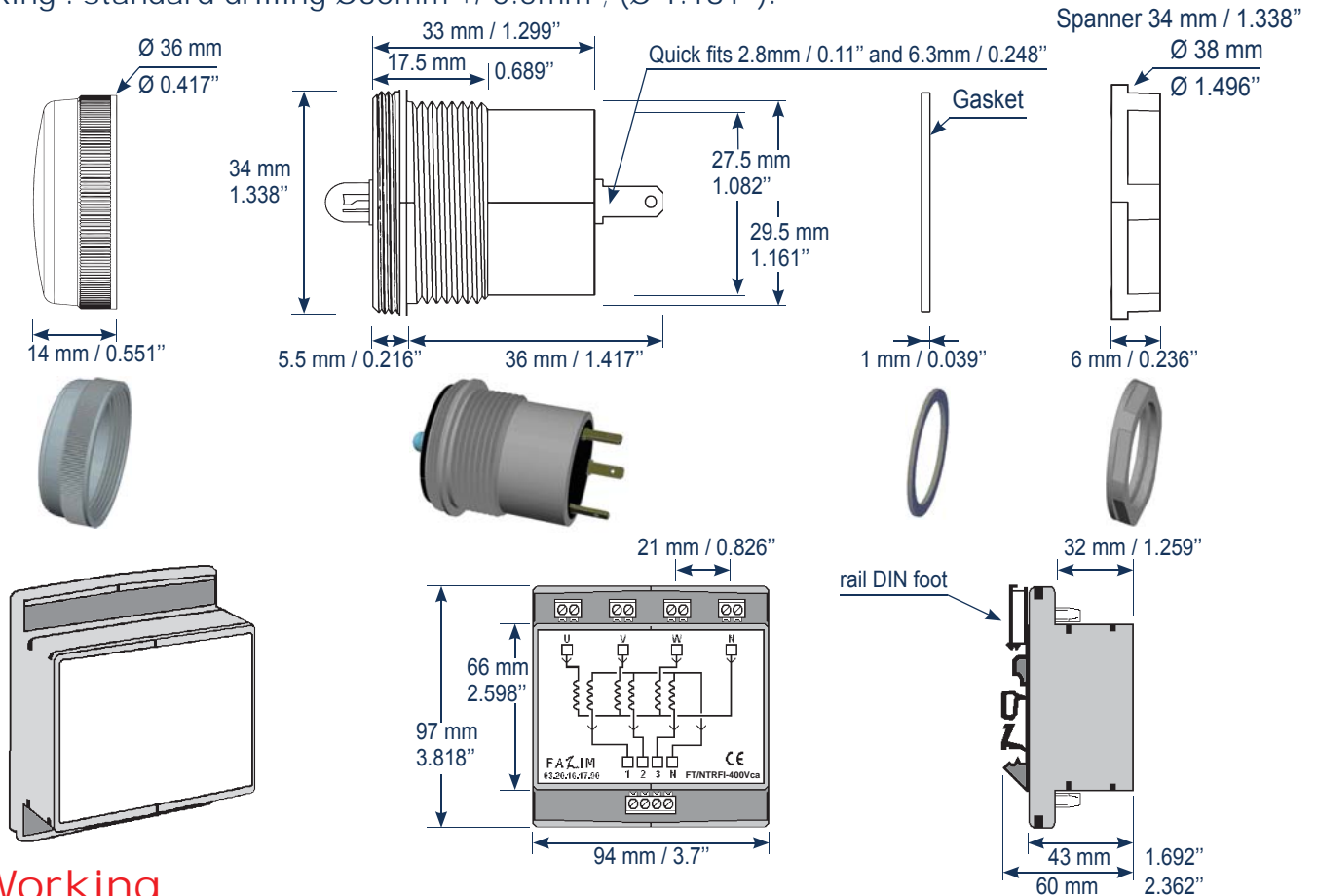
Electrical symbol

- Internal electrical wiring wye



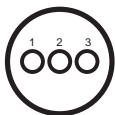
Mechanical specifications

- Fixing : standard drilling $\varnothing 30\text{mm} \pm 0.5\text{mm}$; ($\varnothing 1.181''$).

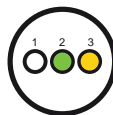
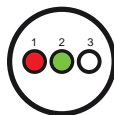
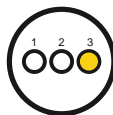
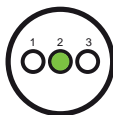


Working

- Off :



- On :



N + Ph1

N + Ph2

N + Ph3

Ph1 + Ph2

Ph1 + Ph3

Ph2 + Ph3

Ph1 + Ph2 + Ph3 or
Ph1 + Ph2 + Ph3 + N

Options & warranty

- Options : Other voltages and frequencies on request, other cutoff frequencies values, color LED (Pink Ro and Purple Vi), color cap, output wiring terminals, snap contact with screw or a connector of your choice...
- 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.