

HPS Fusion™ General Purpose Enclosed Transformer

The Ideal Solution

The HPS Fusion™ line of single phase, general purpose enclosed transformers are ideally suited for general purpose, industrial and light duty loads. They have been designed for indoor applications and offer an efficient and economical solution. These units are well suited for HVAC applications, signal and alarm systems, motor control circuits, lighting and circuit isolation. The HPS Fusion control transformer is an enclosed style unit with either molded terminal blocks (on units up to 3000 VA or 30 amps) or coil face termination. Optional Finger guards and a fuse block adapter kit are available upon request. For an economical approach to general purpose loads, the HPS Fusion is the transformer of choice.



STANDARDS		
The HPS Fusion Control Transformers meet or exceed the standards established by UL, CSA, IEC and NEMA.		
Standard	File #	VA Size
UL (ANSI/UL506)	E50394	All
CSA	LR3902	All
IEC 61558		All
NEMA (ST-1)		All



Features and Benefits

- Molded terminal blocks for primary and secondary connections up to 3000 VA or 30 amps; coil face termination over 3000VA or 30 amps
- All terminal blocks utilize a combination slot/Phillips #6 screw with a SEMS washer (suitable for 18 AWG to 14 AWG for solid wire and 18 AWG to 12 AWG for stranded wire). Coil face terminations utilize a ¼ - 20 UNC X 0.50" combination slot/Phillips screw and a spring lock washer
- Vacuum Impregnated with Polyester Resin and oven cured
- Bolted core construction
- Bolt-on mounting brackets
- Coils with high dielectric strength insulation
- Seismically certified in accordance with IBC 2009; Section 1613 Earthquake Loads, for $S_{DS} \leq 2.00g$, $z/h = 1.0$, and $I_p = 1.5$
- CSA Certified, UL Listed, CE Marked and RoHS compliant
- Meets NEMA standards
- Superior insulating materials. The HPS Fusion series transformers offer the following insulation systems:
Up to 1500 VA: 95°C temperature rise, 130°C insulation class (B)
2000 VA to 5000 VA: 130°C temperature rise, 180°C insulation class (F)
(Note: Temperature rise based on 25°C ambient)
- 50/60 Hz (60 Hz on FS***ACP and FS***AR)
- Rugged Type 1 enclosure
- Finish - forest green powder coat
- Primary and secondary ground screw
- Four (0.88") wiring knockouts and four (0.50") accessory knockouts
- Optional panel mount fuse holder available
- Easy mounting and installation via four mounting slots and two keyhole slots
- Easy access to primary and secondary wiring compartments through removable covers
- 15 year warranty

