

RELIABILITY AND PROTECTION



Encapsulated Solutions for Commercial and Industrial Applications

Elevate your operations with HPS encapsulated distribution transformers, available in two distinct lines tailored for commercial and industrial applications. Designed for environments prone to airborne contaminants and moisture, our transformers safeguard internal components, significantly reducing the risk of operational interruptions.

Each three phase unit is enclosed in a robust Type 4 enclosure finished with textured paint, ensuring unmatched reliability through a higher impedance design. Maintenance and installation are streamlined with a removable hinged door that provides easy access to terminations.



Encapsulated Transformers for Commercial Applications

Perfectly suited for general purpose applications where airborne contaminants, such as dust or debris, and moisture are present. The aluminum wound design makes it a cost effective encapsulated solution.

- Shopping Malls
- Schools
- Lighting
- Sports Complexes
- Offices

Encapsulated Transformers for Industrial Applications

Specifically designed for industrial and hazardous locations where airborne contaminants, moisture or flammable substances are present under abnormal conditions. Built to meet the rugged demands of Class 1, Div. 2, Group IIC, T3 (T3A/T3C) approvals, ensuring reliable performance under the most demanding conditions.

- Mining
- Marine
- Waste Water
- Oil and Gas
- Petrochemical

Product Line:	Encapsulated Transformers for Commercial Applications		Encapsulated Transformers for Industrial Applications		Typical Competitor
	Single Phase	Three Phase	Single Phase	Three Phase	Three Phase
kVA Range:	50VA to 37.5kVA	6 to 75kVA	50VA to 50kVA	2 to 150kVA	3 to 112.5kVA
Winding Material:	Aluminum	Aluminum	Copper	Copper	Aluminum and Copper
BIL Rating:	-	10kV	-	10kV	-
Enclosure Type:	Type 3R Optional 4/12	Type 4 Optional 4X	Type 3R Optional Type 4/12 and 4X	Type 4 Optional 4X	Type 3R
Enclosure Finish:	Powder Coat	Textured Paint	Powder Coat	Textured Paint	Powder Coat or Paint
Temperature Rise ¹ :	95°C, 135°C	135°C	80°C, 115°C	80°C, 95°C, 115°C	80°C, 115°C
Insulation System ¹ :	180°C	200°C	130°C, 180°C	130°C, 180°C	185°C
Ambient Temperature Rating:	25°C	40°C	40°C	40°C, 50°C ³	40°C
Grounding Lugs:	-	Yes	-	Yes	Yes
Electrostatic Shield:	Yes ²	Yes	Yes ²	Yes	Yes
Drain Valve:	-	Yes	-	Yes	-
Meets Class 1, Zone 2, Group IIC, T3 Hazardous Locations	-	-	Yes	Yes	Yes
ABS Marine Duty:	-	-	Yes	Yes	Yes
Seismic Rating:	-	-	Yes	Yes	Yes
Warranty:	10 Year	10 Year	10 Year	10 Year	1 to 10 Years

¹ Please refer to product brochures for applicable temperature rise corresponding to the insulation class.

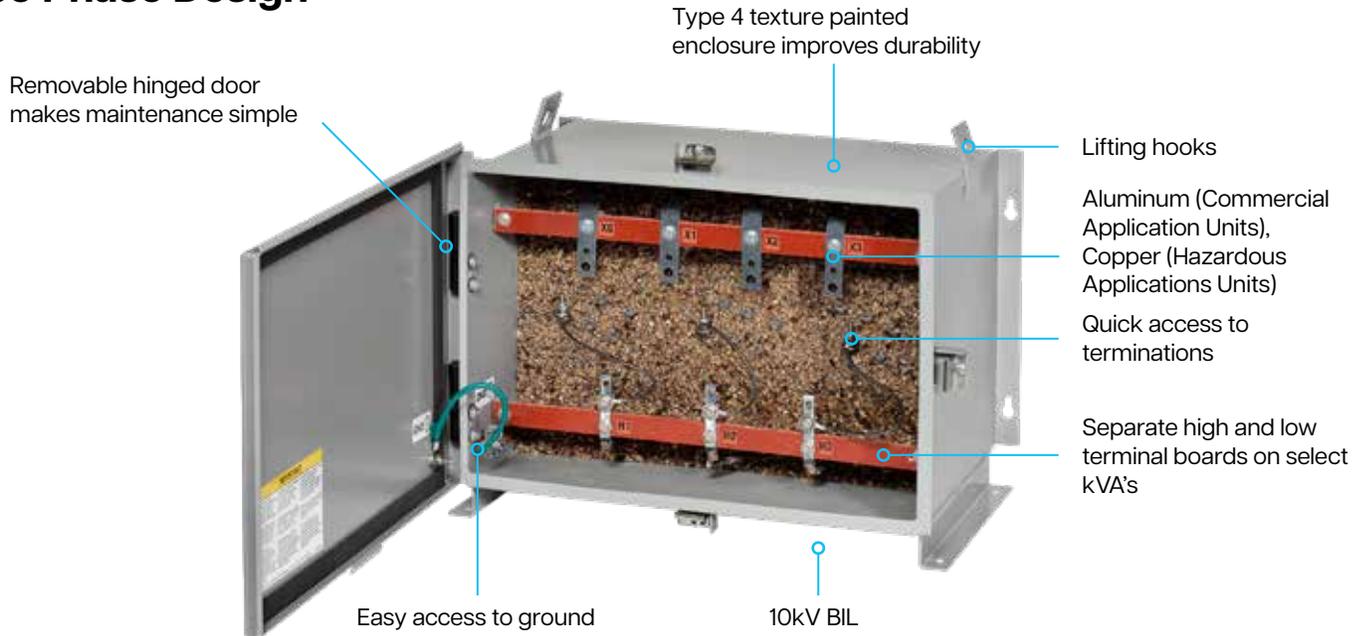
² Standard shield from 750VA and up.

³ Suitable for 50°C ambient while maintaining T3C/T3A Temperature Classification.



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Three Phase Design



Single Phase Design

