

DATASHEET



Product Description

The 3-Phase Surface Choke has been developed to provide the highest degree of coupling performance in its class. It's 3-phase precision balanced resistance and inductance values contribute significantly to the robust telemetry performance of the ESP gauge system.

Key Features

- Precision balanced "C" core choke assembly
- Safety interlock
- Shielded cabling
- High-voltage isolation protection
- Optional IP choke enclosure

Used to isolate the gauge surface interface package from the high-voltage ESP power cable, the choke is typically mounted inside the step-up transformer cabinet and is connected to the high-voltage terminals of the transformer via 3-high voltage isolation fuses and high voltage cable.

A shielded multi-core cable is connected from the choke signal terminals into the gauge decode module. The cable carries the gauge signal and a safety-link circuit that powers down the output from the gauge decoder when the plug of the shielded multi-core cable is removed from the choke terminal.

An optional choke enclosure is available for mounting in an outdoor environment.

The 3-Phase Surface Choke is available in different sizes with different voltage ratings to meet ESP application needs. A Single-phase surface choke is also available upon request.

Specification

	Standard	Slimline
Case	Powder coated, IP40	N/A
Mounting	Horizontal / Vertical	Horizontal
Voltage Rating	5,000V	5,000V / 3,000V
Dimensions	11 x 9 x 9" [270 x 230 x 220mm]	10 x 7 x 9" [255 x 178 x 229mm]
Weight	43lbs [19.5Kg]	33lbs [15Kg]
Connections	3x crimp connections for HV wire 1x 6-way terminal	
Safety Mechanism	Safety-link circuitry fitted as standard	
Operating Temperature	-30°C to 80°C	
Enclosure (optional)	18 x 18 x 10" [450 x 450 x 250mm]	34lbs [15Kg]
	IP65 rated, available in carbon steel with electrostatic coating or 316 SS	

* Specifications are subject to change. Alternative specifications are available upon request.