



AN ISO 9001:2015
CERTIFIED COMPANY



GoldenTM
Tough on power soft on Machine



**INNOVATING
ENERGY**

**ULTRA & K RATED
ISOLATION TRANSFORMER**



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Isolation transformers provide galvanic isolation and are used to protect against electric shock, to suppress electrical noise in sensitive devices, or to transfer power between two circuits which must not be connected. A grounded Faraday shield between the primary and the secondary greatly reduces the coupling of common-mode noise.

Specifications:

Standards	IS 11171, IS 2026, IS 1180, EN 61558-2-4
Type of Harmonic K rating	K1, K4, K13, K20 Rated
Voltage Range	400V-400V/415V-415V/415V-230V
Service	Indoor/Outdoor
Duty	100% Load Continues
Di-electrical Strength	3KV for 1min.
Insulation Resistance	500MΩ for 500VDC
Electrostatic Shield	Faraday Shield Solid Copper Foil
Insulation	Class F / Class H
Winding	Dual Coated Enamelled Copper/Aluminium
Operating Frequency	50/60Hz
Operating Temp	-5C - +50C
Climatic Class	C1
Environment Class	E0
Fire Behaviour Class	F0
Vector Group	Dyn11/Dzn0/Yyn0
Type of Cooling	ANAF/ONAN
Grade of Lamination	M6 Grade for K1, M5 Grade for K4, M4 Grade for K13, M3 Grade for K20
Non-linear Load Harmonic Attenuation	35% for K4, 75% for K13, 100% for K20
Impedance Voltage	< 4%
Regulation	< 4%
Efficiency	97% - 98%
Operating humidity	90%
Relative humidity	95%
Max. Operating altitude without de-rating	up to 1000M above sea level
Acoustic Noise	50 – 60db
Enclosure Colour	Cabinet -RAL 9005 & Front Display Door RAL 7040



- ✓ Multiple K-rating selection, K1, K4, K13, K20.
- ✓ Designed for linear and non-linear loads.
- ✓ Double shielded for high common mode noise and excellent transverse mode noise attenuation.
- ✓ Attenuates triplen harmonic currents from the line.
- ✓ Suitable for use with modern sophisticated microprocessor based equipment, CNC machines, computers and other Industrial.
- ✓ Reduces Power line noise, surges, spikes & transient.
- ✓ It provides a perfectly balanced neutral at 'zero' potential and neutral can be used by grounding it.
- ✓ Optional Input/Output Breakers and change over switch.



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