

Single phase ultra-isolation transformers IP-20



Single phase transformer with ultra galvanic isolation between primary and secondary winding through one or three electrostatic shields.

Wounds totally protected against mechanical chocks and adverse environments. Screw fixing.

Connections by screws with self-lifting supporting washers. Its safe cover protects users from the risk of electrical shocks and connections contact are not accessible by the user.

High degree of attenuation and filtering of electromagnetic disturbances.

Elevated harmonic distortion causes electric noises, malfunctioning and failure in electronic and control equipments. CUP series transformer is the most convenient choice to protect them against these undesired disturbances.

Electromagnetic disturbances can be caused by:

- Interruptions of inductive loads
- Deficient or no Earth connection system
- Atmospheric discharges
- Operation with significant loads
- Proximity of electrical motors

Technical characteristics

Power rating 200 ÷ 5000 VA

Input voltage 230 V

Output voltage 230 V

Frequency 50/60 Hz

Ambient temp. 40 °C

Insulation class F (155 °C)

Protection degree IP-20

Safety class Class I 

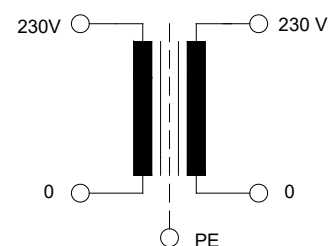
Test voltage 4 kV

Standard IEC/UNE-EN 61558-1

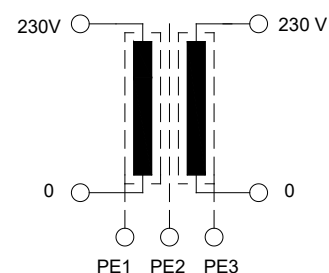


IEC/UNE-EN 61558-2-4

Electrical diagram CU1P – One shield

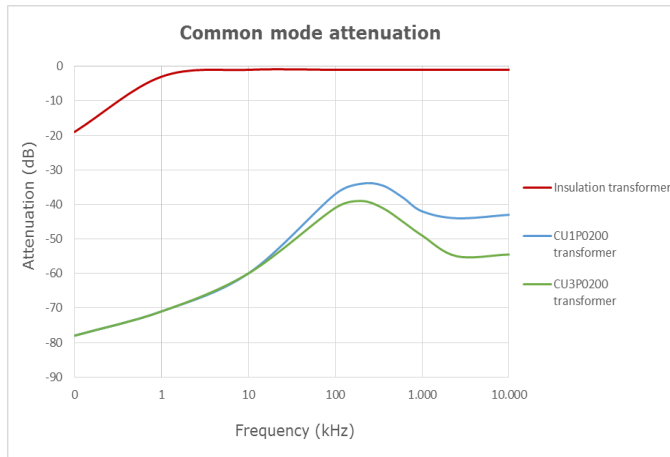


Electrical diagram CU3P – Three shields

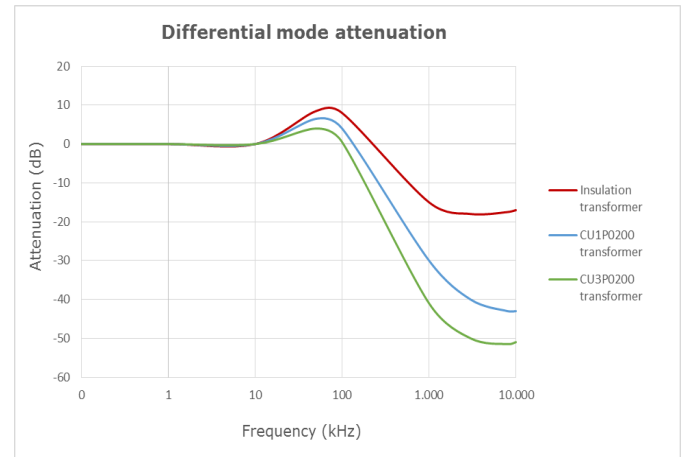


Disturbances or transients in the voltage cause interferences (electrical noises) in the utility. These noises can be:

Common mode noise, refers to noise that occurs between an active phase or neutral and the ground conductors.



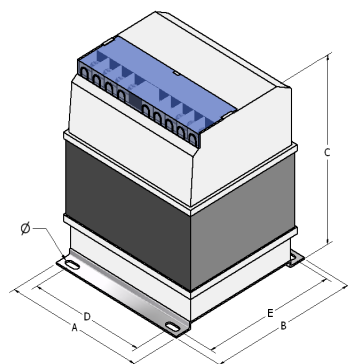
Differential mode noise, refers to noise that occurs between the hot and neutral conductors.



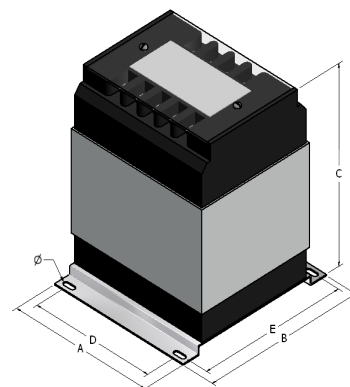
Rating VA	Reference		Dimensions mm						Weight kg	Type
	1 Shield	3 Shields	A	B	C	D	E	Ø		
200	CU1P0200	CU3P0200	105	115	116	70	99	7x14	2,9	I
315	CU1P0315	CU3P0315	115	123	134	80	108	7x14	4,5	I
500	CU1P0500	CU3P0500	135	145	148	101	130	7X15	6,5	I
630	CU1P0630	CU3P0630	135	145	170	101	130	7X15	8,4	I
1000	CU1P1000	CU3P1000	150	158	190	124	143	7X15	12,7	I
1600	CU1P1600	CU3P1600	155	158	228	124	143	7X15	17,8	I
2000	CU1P2000	CU3P2000	192	212	215	165	195	7X16	24,6	II
2500	CU1P2500	CU3P2500	192	212	230	165	195	7X16	33	II
3150	CU1P3150	CU3P3150	192	212	250	165	195	7X16	42	II
4000	CU1P4000	CU3P4000	240	255	235	205	235	9X18	53	II
5000	CU1P5000	CU3P5000	240	255	255	205	235	9x18	59	II

* Other features, power, voltage, etc., on request.

* Torytrans reserves the right to modify the information in any time and without prior notice.



Type I



Type II