



## Column-type Single-phase transformer Series MCC/4000

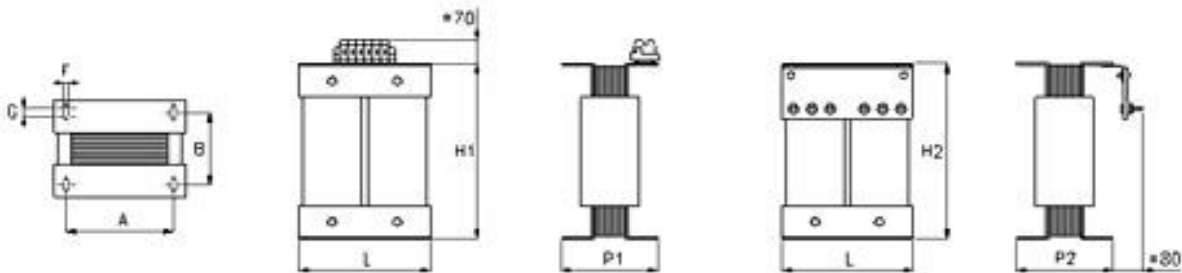
Power from 1,5kVA to 20kVA  
Input 0/230/400 Output 0/24 – 0/110 – 0/230

### Technical features

- Converting transformers built according to IEC 61558-2-2
- Dual voltage input 230/400V
- Rated voltage output <A> for 0/24V - <C> for 0/110V - <D> for 0/230V
- Frequency 50/60 Hz
- Class F insulation material
- Ambient temperature max. 40 °C
- Degree of protection IP 00
- Class H varnish dipped and oven dried

### Dimensions and drillings

Reference number	Rated thermal Output (kVA)	Dimensions			Drillings				Dissipated Power (W)	Efficiency (%)	Weight (Kg)
		L	P	H	A	B	F	G			
MCC/4001	1,5	160	165	205	120	125	7	18	74	95	17,4
MCC/4002	2	200	150	255	150	110	9	23	102	94,9	18,4
MCC/4003	2,5	200	170	255	150	130	9	23	115	95,4	22
MCC/4004	3	240	160	305	205	120	9	23	123	95,9	25
MCC/4005	4	240	170	305	205	130	9	23	157	96	29
MCC/4006	5	240	180	305	205	140	9	23	204	95,9	35
MCC/4007	6	240	190	305	205	150	9	23	213	96,5	43
MCC/4008	8	280	190	355	230	140	12	30	272	96,6	49
MCC/4009	10	280	220	355	230	170	12	30	331	96,7	61
MCC/4010	12	280	250	355	230	200	12	30	352	97	72
MCC/4011	15	320	270	405	280	220	12	30	435	97,1	83
MCC/4012	20	360	310	455	300	260	12	30	534	97,4	98



The data indicated could change without notice

## Note tecniche

The technical choice in using a column-type instead of a shell-type core is determined by the greater heat dissipation capability needed when output power increases. Comparing it to the shell-type transformer, the winding is divided up on 2 double-height coils, thus creating a larger surface for heat exchange. The magnetic cores of the whole family are low loss grain oriented and thus with low power dispersal.

The connections, according to the transformer power and voltages, are on terminal blocks on a rail or on a panel board with silver-alloy welded screws. This feature is fundamental when high currents are used. The braze welding system ensures a good mechanical sturdiness and an excellent electrical contact.

The MCS safety isolating transformer family has the same use as the SMM shelltype, differing only in power (max. 10 KVA, as per standard requirements) and the type of usable loads.

The isolating transformers of the MCI family are used to create isolated supply lines from the mains supply, for electromedical equipment in hospital installations, operating rooms, where the presence of a tap on winding output to be connected to an isolation detector is needed. This family is also used for computer systems when the neutral line does not exist or is unstable.

Upon request, it is possible to fit, between the input and output, an electrostatic shield connected to a terminal block. When connecting it to earth, higher safety levels and filtering effects from the common mains supply interferences are obtained, thus eliminating stray capacitance effects between input and output.

The standard vertical installation has vertical coils and "L" shape brackets. In horizontal installations, transformers with "Z" shape brackets can be supplied, upon request or after contacting our Technical Service.