Type code:
- ESM: Single-phase isolating transformers / vertical / for medical rooms
- ELM: Single-phase isolating transformers / horizontal / for medical rooms

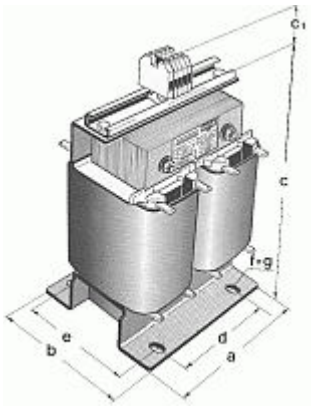
Generally:
- Separated windings (transformer with protective separation between input and output windings)
- Short-circuit voltage uk < 3%
- Exitation current < 3%
- Inrush current < 8-fach In
- Shielding winding (laid on isolated terminal)
- brought in PTC thermistors for temperature monitoring.
- construction with isolated fixing parts
- Degree of protection IP00 (suitable for the installation in enclosures up to IP20)
- Dimensioning for pollution severity P2
- maximum ambient temperature 40°C / Insulation class E
- Frequency 50 to 60 Hz
- Vacuum-resin-impregnated
- Dimensioned for continuous operation (ED = 100 %)

c UL us auf Anfrage

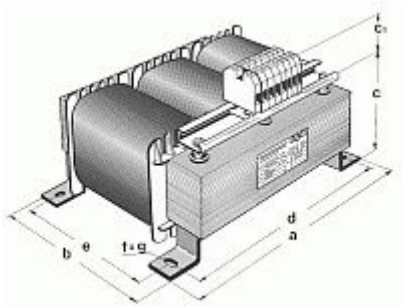
Standards and basics:
- VDE0570-1 (EN61558-1 / IEC61558-1) – follow-up standard for VDE0551 (EN60742 / IEC742)
„Safety of transformers, power packs and the like“
- EN61558-2-15 / IEC61558-2-15 – follow-up standard for VDE0551 (EN60742 / IEC742)
„Isolating transformers for medical rooms“
- General technical conditions and information

- Variants of voltage:	
Primary: 230 V	Secondary: 230 V

Type: ESM



Type: ELM



Nominal powers, output powers, dimensions and weights

Size in kVA **= Type designation**	output power **in kVA**	**Dimensions of the types ESM**						**Dimensions of the types ELM**						**ESM und ELM**	
		a in mm	**b in mm**	**c in mm**	**d in mm**	**e in mm**	**f in mm**	**a in mm**	**b in mm**	**c in mm**	**d in mm**	**e in mm**	**f in mm**	**Cu.-weight in kg**	**total weight in kg**
3,5	2,5	240	170	310	200	130	11	230	300	170	205	240	7	15	35
4,5	3,2	240	185	310	200	145	11	230	300	185	205	240	7	18	38

5,0	4,0	240	185	310	200	145	11	230	300	185	205	240	9	20	45
6,3	5,0	280	200	365	240	155	11	260	350	190	235	280	9	22	54
7,5	6,3	280	215	365	240	170	11	260	350	205	235	280	9	29	68
8,8	8,0	280	230	365	240	185	11	260	350	220	235	280	9	39	81
Maß c1 = 50 - 80 mm															

Options (on inquiry)
- Installation in enclosure
- Protections