

6.1 Three-phase isolating transformers

1 kVA to 10 kVA

Common properties



for industrial applications

characteristics

- vacuum-and pressure- varnish impregnated
- separate windings
- all star-delta connection sets
- provided with one earthing terminal block
- prepared for protection class I (open execution for flush mounting)
- protection class I (enclosed execution with sheet metal case)
- degree of protection IP00 (open execution for flush mounting)
- degree of protection IP20 (enclosed execution with sheet metal case)
- dielectric strength 4500 V_{AC}
- dielectric strength referred to frame 2500 V_{AC}
- high insulation resistance 200 MΩ
- temperature class B
- maximum ambient temperature t_a 40 °C

IP20-protection cases: chapter 7

connections

- screw terminals

fixing

- supports or angles with fixing holes

standards

EN 60742 – EN 61558-2-4

special executions on request

- protection class II (enclosed executions)
- degree of protection IP23 and IP65 (watertight)
- other voltages and power ratings
- zigzag connection sets
- connections with power socket outlets and with mains cables
- with fuses
- with electrostatic screens
- tropicalized

Product presentation



SPT2500

SPT6300

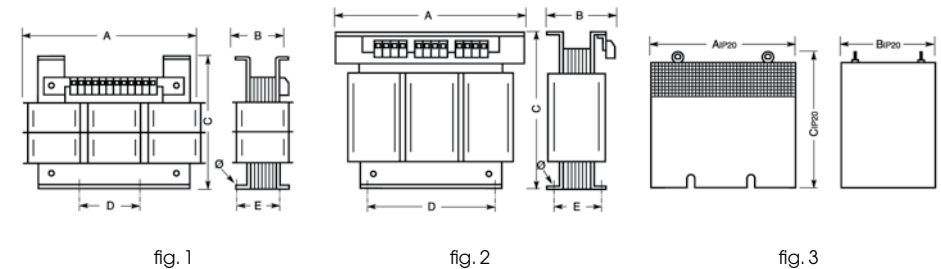
U 222 752

Technical parameters

Ps VA	type	code	U _{PR1} 50-60 Hz V	U _{SEC} V	dU %	P ₀ W	P _{cu} W	R _{dt} %	case IP20
1000	SPT 1000	2704	230 D/400 Y	230/400	4,70	22,5	47	93	K 20 EI 150
1600	SPT 1600	2706	230 D/400 Y	230/400	3,15	45,5	52	94	K 20 EI 190
2500	SPT 2500	2709	230 D/400 Y	230/400	2,80	45,5	70	95	K 20 EI 220
4000	SPT 4000	2712	230 D/400 Y	230/400	4,70	56,0	181	94	U 222 752
6300	SPT 6300	2715	230 D/400 Y	230/400	2,80	89,5	168	96	U 222 752
10000	SPT 10000	2705	230 D/400 Y	230/400	3,14	92,5	298	96	U 2222 720

The three-phase transformers SPT are also available with primary 400V triangle.

Dimensioning



Ps VA	type	fig	A mm	B mm	C mm	D mm	E mm	Ø mm	conn. mm ²	M kg	A _{IP20} mm	B _{IP20} mm	C _{IP20} mm	M _{IP20} kg
1000	SPT 1000	1	180	110	175	75	90	9	4	10,3	203	160	180	12,1
1600	SPT 1600	1	225	135	215	87	110	10	2,5	19,0	263	180	225	21,7
2500	SPT 2500	1	260	140	243	100	117	11	2,5	27,3	303	210	250	30,3
4000	SPT 4000	2	360	150	310	240	120	11	2,5	35,6	388	225	360	40,8
6300	SPT 6300	2	360	175	310	240	145	11	2,5	52,6	388	225	360	57,8
10000	SPT 10000	2	480	180	415	320	150	11	10	70,2	533	272	470	79,2