

**Single-phase power supply/ control and isolating transformers**  
acc. to VDE0570-2-1/2-2/2-4 (EN61558/IEC61558)



**Type code:**

- **STV: Single-phase power supply/ control/ isolating transformer / EI-core / on reserve**

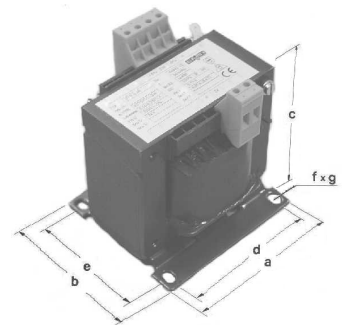
**Generally:**

- Separated windings
- Degree of protection IP00 (suitable for ambient condition in enclosures up to IP20)
- Ground connection as preparation for fitting in gears and systems with class of protection I
- Construction for pollution severity P2
- Maximum ambient temperature 40°C / insulation class B
- Frequency 50 to 60 Hz
- Vacuum resin-impregnated
- Constructed for continuous operation (ED = 100 %)

**Standards and basics:**

- VDE0570-1 (EN61558-1 / IEC61558-1) – follow-up standard for VDE0551 (EN60742 / IEC742)  
„Safety of transformers, power packs and similar“
- VDE0570-2-1 (EN61558-2-1 / IEC61558-2-1) – follow-up standard for VDE0550-3  
„Particular requirements for power supply transformers for general use“
- VDE 0570-2-2 (EN61558-2-2 / IEC 61558-2-2) – follow-up standard for VDE0550-3  
„Particular requirements for control transformers“
- VDE0570-2-4 (EN61558-2-4 / IEC61558-2-4) – follow-up standard for VDE0551 (EN60742 / IEC742)  
„Particular requirements for isolating transformers for general use“
- VDE0113 (EN60204 / IEC60204)
- „Electrical equipment of machines“
- General technical conditions and information (see page 81)

Available  
from stock



Variants of voltage		
STV		
	Primary	Secondary
	400 V +/- 5%	230 V
or	230 V +/- 5%	230 V

Size in kVA = Type designation	Short-time power in kVA *	a in mm	b in mm	c in mm	d in mm	e in mm	f in mm	Copper weight in kg	Total weight in kg
0,05	0,1	78	60	90	56	48	4,8	0,3	1,1
0,075	0,15	85	65	98	64	50	4,8	0,4	1,4
0,1	0,22	85	80	98	64	64	4,8	0,45	2,0
0,13	0,28	96	80	105	84	62	5,8	0,65	2,2
0,16	0,35	96	90	105	84	73	5,8	0,8	2,8
0,2	0,42	105	90	115	80,5	73	5,8	0,9	3,4
0,25	0,60	120	95	125	90	74	5,8	1,0	4,0
0,32	0,63	120	105	125	90	85	5,8	1,2	5,0
0,4	0,84	120	105	125	90	85	5,8	1,4	5,0
0,5	1,15	120	125	125	90	104	5,8	2,0	6,8
0,63	1,18	150	115	150	122	90	7,0	2,6	7,8
0,8	1,76	150	130	150	122	106	7,0	3,2	9,9
1,0	2,1	174	125	185	135	91	7,0	4,0	11,2
1,5	3,1	174	155	185	135	121	7,0	5,0	16,9
2,0	4,63	195	180	205	150	140	10,0	6,5	24,0
2,5	5,25	195	190	205	150	150	10,0	8,0	26,5