

Safety isolating transformer, IP00

Type SU

Open single-phase safety isolating transformer designed and tested according to norm EN61558-2-6. Separate insulated windings and protected against dust, humidity and corrosion through complete impregnation in heat tempered varnish. For fixed installation in cabinets or switchboards. The transformer is designed according to DnV, Lloyds register of shipping and Bureau Veritas standards which require 45°C ambient temperature.

Applications:

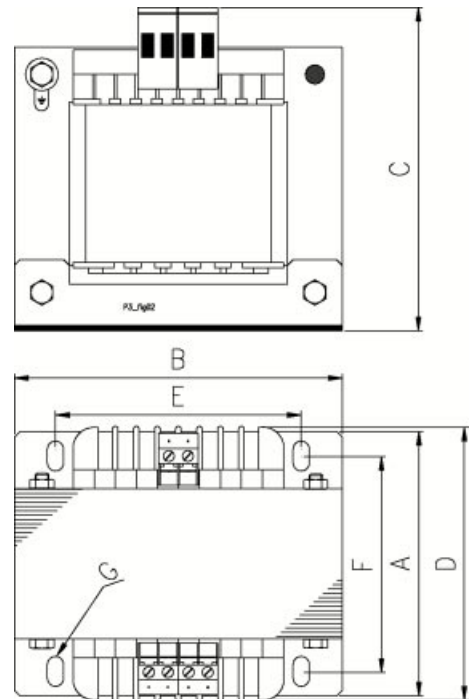
Industrial transformer designed for low voltage installation in processing industry and switchboards, class I. The transformer has to be mounted in cover. Uncovered installation prohibited. Special designed metal plate covers available (Type SUK). The transformer must be protected against short circuit and overload with separate fuse arrangement.



Dimensions - weight (mm - kg)

Type	Dimensions (mm)								Weight (Kg)
	A	B	C	(C*)	D	E	F	G	
SU60A	47	60	75	-	65	44	35	3,5x7	0,6
SU60B	57	60	75	-	75	44	45	3,5x7	0,8
SU66A	54	66	80	-	67	50	42	4x9	0,7
SU66B	65	66	80	-	78	50	52	4x9	1,0
SU78A	58	78	89	-	69	56	45	5x9	1,2
SU78B	67	78	89	-	80	56	54	5x9	1,5
SU84A	60	84	93	-	72	64	46	5x9	1,4
SU84B	74	84	93	-	86	64	60	5x9	1,9
SU96A	76	96	104	-	80	84	59	6x11	2,3
SU96B	86	96	104	-	90	84	69	6x11	2,8
SU96C	100	96	104	108	100	84	85	6x11	3,5
SUI20A	86	120	120	125	88	90	69	6x11	4,2
SUI20B	98	120	120	125	100	90	81	6x11	5,1
SUI20C	117	120	120	165	120	90	101	6x11	6,6
SUI50A	103	150	147	190	108	122	83	7x13	8,1
SUI50B	120	150	147	190	125	122	100	7x13	9,9
SUI50C	147	150	147	193	150	122	127	7x13	13,3
SUI74B	125	174	154	220	138	135	107	7x13	14,7
SUI74C	157	174	220	-	168	135	137	7x13	19,9
SUI95A	126	180	269	-	162	140	97	10x18	18,6
SUI95C	154	180	269	-	190	140	125	10x18	25,7
SU231B	160	210	312	-	210	160	130	12x18	35,4
SU231C	180	210	312	-	230	160	150	12x18	41,4

Dimensions



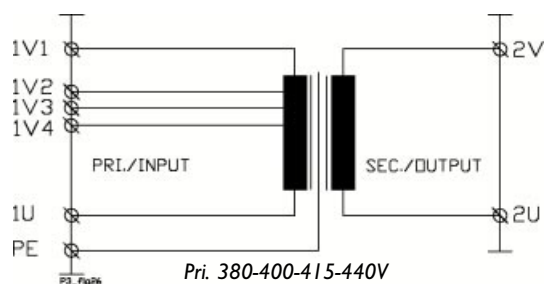
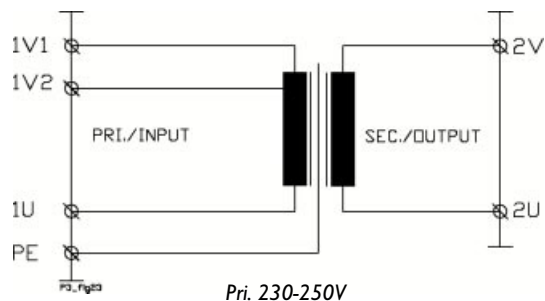
- All weights and dimensions refer to standard SU-safety isolating transformers.
 - (C*) refer to SU-transformers with 24V or less secondary voltage.

Standard types

Technical specifications

- Input voltage: 230-250V
380-400-415-440V
- Frequency: 47-63Hz
- Output voltage: 6-8V, 12V, 24V
32V, 42-48V
- According to: EN61558-2-6
- Test/insulating voltage: 2,5kV AC RMS
- Construction class: I
- Insulation class: B (130°C)
- Ambient temp. (t_a): 45°C
- Degree of protection: IP00

Wiring diagram



Type	Voltage Sec. (V)	Current Sec. (A)	Power (VA)	Art. no.
230-250/6-8V				
SU78A-23008	6-8	7,5	60	3-061-078008
SU84A-23008	6-8	11,9	95	3-061-084008
230-250/12V				
SU60A-23012	12	2,0	25	3-061-060013
SU66A-23012	12	2,9	35	3-061-060012
SU78A-23012	12	5,0	60	3-061-100362
SU78B-23012	12	6,6	80	3-061-078012
SU84B-23012	12	9,2	110	3-061-084540
SU96B-23012	12	13,3	160	3-061-100364
SU96C-23012	12	18,3	220	3-061-100365
SU120B-23012	12	33,3	400	3-061-100367
SU120C-23012	12	41,6	500	3-061-100368
230-250/24V				
SU66A-23024	24	1,5	35	3-061-060024
SU78A-23024	24	2,5	60	3-061-078024
SU78B-23024	24	3,3	80	3-061-100371
SU84B-23024	24	4,6	110	3-061-100372
SU96B-23024	24	6,7	160	3-061-096510
SU96C-23024	24	9,2	220	3-061-096024
SU120B-23024	24	16,7	400	3-060-100375
SU120C-23024	24	20,8	500	3-061-100377
SU150B-23024	24	29,2	700	3-060-100378
SU150C-23024	24	41,7	1000	3-060-100380
380-400-415-440/24V				
SU120C-38024	24	20,8	500	3-060-120020
SU150C-38024	24	41,7	1000	3-060-200380
230-250/32V				
SU78B-23032	32	2,5	80	3-061-078032
SU84B-23032	32	3,4	110	3-061-100381
SU96C-23032	32	6,9	220	3-061-100383
SU120B-23032	32	12,5	400	3-061-120590
230-250/42-48V				
SU78B-2304248	42-48	1,6	80	3-061-078048
SU84B-2304248	42-48	2,3	110	3-061-084048
SU96C-2304248	42-48	4,6	220	3-061-096048
SU120B-2304248	42-48	8,3	400	3-061-120048
380-400-415-440/24V				
SU66A-38024	24	1,5	35	3-061-060424
SU78A-38024	24	2,5	60	3-061-078424
SU84B-38024	24	4,5	110	3-061-100671
SU96B-38024	24	6,7	160	3-061-096520
SU96C-38024	24	9,2	220	3-061-096550
SU120B-38024	24	16,7	400	3-061-100653

Information on losses and short-circuit currents
on page I-18 & I-19