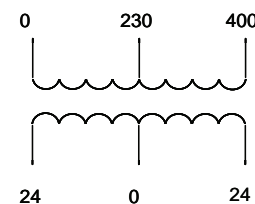


Single phase safety and insulating transformers

Single phase safety transformers

Primary voltage 230, 400V. Secondary voltage 48V (24V-0-24V). Thermal class B

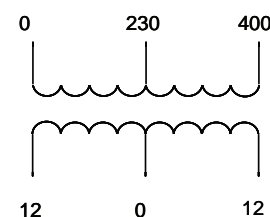
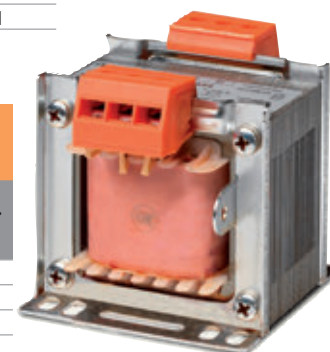
Type	Description	Code No.	Power (VA)	Dimensions LxHxP (mm)	Weight (kg)	Packaging. (pcs)
TRANSF 1f B 24-0-24V 30VA	Single phase safety transf. 24-0-24V 30VA	003801031	30	77x77x78	1,00	12
TRANSF 1f B 24-0-24V 50VA	Single phase safety transf. 24-0-24V 50VA	003801032	50	77x77x83	1,45	12
TRANSF 1f B 24-0-24V 75VA	Single phase safety transf. 24-0-24V 75VA	003801033	75	77x77x93	1,65	12
TRANSF 1f B 24-0-24V 100VA	Single phase safety transf. 24-0-24V 100VA	003801034	100	85x85x93	1,88	12
TRANSF 1f B 24-0-24V 150VA	Single phase safety transf. 24-0-24V 150VA	003801035	150	98x95x93	2,40	6
TRANSF 1f B 24-0-24V 200VA	Single phase safety transf. 24-0-24V 200VA	003801036	200	98x95x103	2,93	6
TRANSF 1f B 24-0-24V 250VA	Single phase safety transf. 24-0-24V 250VA	003801037	250	123x108x91	3,90	4
TRANSF 1f B 24-0-24V 300VA	Single phase safety transf. 24-0-24V 300VA	003801038	300	123x108x95	4,00	4
TRANSF 1f B 24-0-24V 400VA	Single phase safety transf. 24-0-24V 400VA	003801039	400	123x108x108	5,10	4
TRANSF 1f B 24-0-24V 500VA	Single phase safety transf. 24-0-24V 500VA	003801040	500	123x130x120	7,20	4
TRANSF 1f B 24-0-24V 630VA	Single phase safety transf. 24-0-24V 630VA	003801041	630	153x130x135	8,90	4
TRANSF 1f B 24-0-24V 800VA	Single phase safety transf. 24-0-24V 800VA	003801042	800	153x130x145	11,70	1
TRANSF 1f B 24-0-24V 1000VA	Single phase safety transf. 24-0-24V 1000VA	003801043	1000	153x130x160	12,50	1
TRANSF 1f B 24-0-24V 1600VA	Single phase safety transf. 24-0-24V 1600VA	003801044	1600	195x187x150	17,00	1
TRANSF 1f B 24-0-24V 2000VA	Single phase safety transf. 24-0-24V 2000VA	003801045	2000	195x187x160	19,10	1
TRANSF 1f B 24-0-24V 2500VA	Single phase safety transf. 24-0-24V 2500VA	003801046	2500	195x187x190	23,00	1
TRANSF 1f B 24-0-24V 3000VA	Single phase safety transf. 24-0-24V 3000VA	003801047	3000	195x187x210	30,00	1
TRANSF 1f B 24-0-24V 4000VA	Single phase safety transf. 24-0-24V 4000VA	003801048	4000	240x270x270	40,00	1
TRANSF 1f B 24-0-24V 5000VA	Single phase safety transf. 24-0-24V 5000VA	003801049	5000	240x270x280	44,00	1
TRANSF 1f B 24-0-24V 6000VA	Single phase safety transf. 24-0-24V 6000VA	003801050	6000	240x270x290	46,00	1
TRANSF 1f B 24-0-24V 8000VA	Single phase safety transf. 24-0-24V 8000VA	003801051	8000	320x430x270	60,00	1
TRANSF 1f B 24-0-24V 10000VA	Single phase safety transf. 24-0-24V 10000VA	003801052	10000	320x430x280	75,00	1



Single phase safety transformers

Primary voltage 230, 400V. Secondary voltage 24V (12V-0-12V). Thermal class F

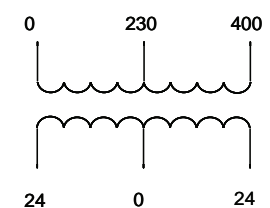
Type	Description	Code No.	Power (VA)	Dimensions LxHxP (mm)	Weight (kg)	Packaging. (pcs)
TRANSF 1f 12-0-12V 40VA	Single phase safety transf. 12-0-12V 40VA	003801121	40	77x77x78	1,00	12
TRANSF 1f 12-0-12V 63VA	Single phase safety transf. 12-0-12V 63VA	003801123	63	77x77x83	1,45	12
TRANSF 1f 12-0-12V 75VA	Single phase safety transf. 12-0-12V 75VA	003801124	75	77x77x83	1,45	12
TRANSF 1f 12-0-12V 100VA	Single phase safety transf. 12-0-12V 100VA	003801125	100	85x85x93	1,88	12
TRANSF 1f 12-0-12V 150VA	Single phase safety transf. 12-0-12V 150VA	003801126	160	98x95x93	2,44	6
TRANSF 1f 12-0-12V 200VA	Single phase safety transf. 12-0-12V 200VA	003801127	200	98x95x103	2,93	6
TRANSF 1f 12-0-12V 250VA	Single phase safety transf. 12-0-12V 250VA	003801128	250	123x108x91	3,90	4
TRANSF 1f 12-0-12V 300VA	Single phase safety transf. 12-0-12V 300VA	003801129	300	123x108x95	4,00	4
TRANSF 1f 12-0-12V 400VA	Single phase safety transf. 12-0-12V 400VA	003801130	400	123x108x108	5,10	4
TRANSF 1f 12-0-12V 500VA	Single phase safety transf. 12-0-12V 500VA	003801131	500	123x130x120	7,20	4
TRANSF 1f 12-0-12V 630VA	Single phase safety transf. 12-0-12V 630VA	003801132	630	153x130x135	8,90	4
TRANSF 1f 12-0-12V 800VA	Single phase safety transf. 12-0-12V 800VA	003801133	800	153x130x135	10,00	1
TRANSF 1f 12-0-12V 1000VA	Single phase safety transf. 12-0-12V 1000VA	003801134	1000	153x130x160	12,50	1
TRANSF 1f 12-0-12V 1600VA	Single phase safety transf. 12-0-12V 1600VA	003801135	1600	195x187x150	17,00	1
TRANSF 1f 12-0-12V 2000VA	Single phase safety transf. 12-0-12V 2000VA	003801136	2000	195x187x160	19,10	1
TRANSF 1f 12-0-12V 2500VA	Single phase safety transf. 12-0-12V 2500VA	003801137	2500	195x187x190	23,00	1



Single phase safety transformers

Primary voltage 230, 400V. Secondary voltage 48V (24V-0-24V). Thermal class F

Type	Description	Code No.	Power (VA)	Dimensions LxHxP (mm)	Weight (kg)	Packaging. (pcs)
TRANSF 1f 24-0-24V 40VA	Single phase safety transf. 24-0-24V 40V	003801141	40	77x77x78	1,00	12
TRANSF 1f 24-0-24V 63VA	Single phase safety transf. 24-0-24V 63V	003801142	63	77x77x83	1,45	12
TRANSF 1f 24-0-24V 75VA	Single phase safety transf. 24-0-24V 75V	003801143	75	77x77x83	1,45	12
TRANSF 1f 24-0-24V 100VA	Single phase safety transf. 24-0-24V 100V	003801144	100	85x85x93	1,88	12
TRANSF 1f 24-0-24V 160VA	Single phase safety transf. 24-0-24V 160V	003801145	160	98x95x93	2,44	6
TRANSF 1f 24-0-24V 200VA	Single phase safety transf. 24-0-24V 200V	003801146	200	98x95 x103	2,93	6
TRANSF 1f 24-0-24V 250VA	Single phase safety transf. 24-0-24V 250V	003801147	250	123x108x91	3,90	4
TRANSF 1f 24-0-24V 300VA	Single phase safety transf. 24-0-24V 300V	003801148	300	123x108x95	4,00	4
TRANSF 1f 24-0-24V 400VA	Single phase safety transf. 24-0-24V 400V	003801149	400	123x108x108	5,10	4
TRANSF 1f 24-0-24V 500VA	Single phase safety transf. 24-0-24V 500V	003801150	500	123x130x120	7,20	4
TRANSF 1f 24-0-24V 630VA	Single phase safety transf. 24-0-24V 630V	003801151	630	153x130x135	8,90	4
TRANSF 1f 24-0-24V 1000VA	Single phase safety transf. 24-0-24V 1000V	003801152	1000	153x130x160	12,50	1
TRANSF 1f 24-0-24V 1600VA	Single phase safety transf. 24-0-24V 1600V	003801153	1600	195x187x160	17,00	1
TRANSF 1f 24-0-24V 2500VA	Single phase safety transf. 24-0-24V 2500V	003801154	2500	195x187x190	23,00	1



Single phase safety and insulating transformers IP00

Technical data:	
Frequency	50 Hz
Thermal class	B & F
Losses in the core sheets	1,3 - 1,5 W/kg
Insulation voltage	4000V between coils 2000V between coils and ground
Primary voltage	230 V/50 Hz 230 V +/- 15V 50 Hz - type EURO
Standard	EN 61558-2-4
Service type	Continuous
Protection index	IP00

Technical features chart of single phase safety and insulating transformers. Thermal class B

Fall secondary windings power (VA)	No-load losses ΔP (W)	Losses (short circuit) ΔP (W)	U_{cc} ($\cos \varphi=1$) (%)	Efficiency ($\cos \varphi=1$) (%)
30	2,4	3,9	9,9	79%
40	3	5,7	10	79%
50	2,9	7,1	10,6	80%
63	3,8	7,1	9,6	82%
75	4,3	9,4	9,2	82%
100	4,6	10,1	9,1	85%
150	5,7	16,2	7,5	85%
200	7,2	22	7,3	86%
250	8,9	23,7	6,5	87%
300	9,8	24	5,6	89%
400	11	27	5,3	90%
500	16,2	28,2	4,2	91%
630	18,9	43	4,3	90%
800	20	46	4,1	92%
1000	28	45	3,2	93%
1600	35	65	3,1	94%
2000	30	88	2,7	94%
2500	60	67	2,1	95%
3000	70	85	3	95%
4000	50	158	3,2	95%
5000	50	250	2,8	94%
6000	60	280	2,8	94%
8000	100	240	2,9	96%
10000	137	200	1,6	97%

Technical features chart of single phase safety and insulating transformers. Thermal class F

Fall secondary windings power (VA)	No-load losses ΔP (W)	Losses (short circuit) ΔP (W)	U_{cc} ($\cos \varphi=1$) (%)	Efficiency ($\cos \varphi=1$) (%)
40	3	7	12	75%
63	3,9	8	10,5	81%
100	4,9	11	9,5	84%
160	6,1	16,8	8,5	86%
200	7,7	23	8	85%
250	9,1	25	6,5	86%
300	10	25,4	6	88%
400	12,8	32,5	5,5	89%
500	16,5	35,5	4,8	90%
630	19,1	44,2	4,6	90%
1000	28,5	48	4,5	93%
1600	38	70	3,5	93%
2000	36	76	3,5	94%
2500	65	75	2,5	94%