

Isolation transformers



Network transformers with transformation ratio 1:1. They are used to protect against electrical shock by touching a live part, i.e. as a safety element, for example on production lines, in workshops, in laboratories, etc.

Type range: TR 9409/4 to TR 9415/4

We also produce **atypical** transformation ratios according to the customer's request.

TYPE RANGE	TYPE DESIGNATION	POWER [VA]	CORE TYPE DIN	OUTPUT VOLTAGE AND CURRENT [V / A]	NO-LOAD LOSSES [W]		TOTAL LOSSES [W]	EFFICIENCY η [%]
					ΔP CU	ΔP FE		
Isolating transformer	TR 9409/4 - 30	30	EI 75 / 20	230 / 0.13	4	4.2	8.2	78
Isolating transformer	TR 9409/4 - 50	50	EI 75 / 25	230 / 0.21	5.6	6	11.6	81
Isolating transformer	TR 9409/4 - 80	80	EI 84 / 35	230 / 0.34	7.2	8.1	15.3	83
Isolating transformer	TR 9409/4 - 100	100	EI 84 / 40	230 / 0.43	10.4	8.1	18.5	84
Isolating transformer	TR 9409/4 - 125	125	EI 96 / 35	230 / 0.54	10.5	10.5	21	85
Isolating transformer	TR 9409/4 - 150	160	EI 96 / 45	230 / 0.65	11	10.5	21.5	88
Isolating transformer	TR 9409/4 - 200	200	EI 96 / 50	230 / 0.87	14	13	27	88
Isolating transformer	TR 9409/4 - 250	250	EI 120 / 40	230 / 1.08	15	16	31	88
Isolating transformer	TR 9409/4 - 315	315	EI 120 / 50	230 / 1.37	17	16	33	90
Isolating transformer	TR 9409/4 - 400	400	EI 120 / 70	230 / 1.74	17	19	36	91
Isolating transformer	TR 9409/4 - 500	500	EI 150 / 50	230 / 2.17	20	22	42	92
Isolating transformer	TR 9409/4 - 800	800	EI 150 / 80	230 / 3.47	25	28	53	93
Isolating transformer	TR 9413/4 - 1000	1000	EI 192 / 60	230 / 4.34	27	34	61	94
Isolating transformer	TR 9413/4 - 1400	1600	EI 192 / 80	230 / 6.08	35	44	79	95
Isolating transformer	TR 9415/4 - 2000	2000	EI 192 / 100	230 / 8.69	47	46	93	95
Isolating transformer	TR 9415/4 - 2500	2500	EI 192 / 130	230 / 10.86	61	50	111	95
Isolating transformer	TR 9415/4 - 3 k	3000	UI 180 / 60	230 / 13.04	72	90	162	95
Isolating transformer	TR 9415/4 - 4 k	4000	UI 180 / 80	230 / 17.39	90	104	194	95
Isolating transformer	TR 9415/4 - 5 k	5000	UI 180 / 100	230 / 21.74	109	125	234	96
Isolating transformer	TR 9415/4 - 6 k	6300	UI 210 / 102	230 / 27.4	130	156	286	96
Isolating transformer	TR 9415/4 - 8 k	8000	UI 210 / 130	230 / 34.8	150	192	342	96
Isolating transformer	TR 9415/4 - 10 k	10000	UI 210 / 130	230 / 43.5	150	207	357	97
Isolating transformer	TR 9415/4 - 15 k	15000	UI 240 / 150	230 / 65.2	69	220	289	98

THERMAL CLASS:	F 155°C
VOLTAGE WITHSTAND:	PRI / SEC / CORE 4,75kV 50Hz
SHORT-CIRCUIT RESISTANCE:	NOT SHORT-CIRCUIT RESISTANT
TEMPERATURE RISE (HEAT RUN):	85 °C
PROTECTION CLASS:	I.
PROTECTION:	IP00
AMBIENT TEMPERATURE:	-10 °C až + 35 °C