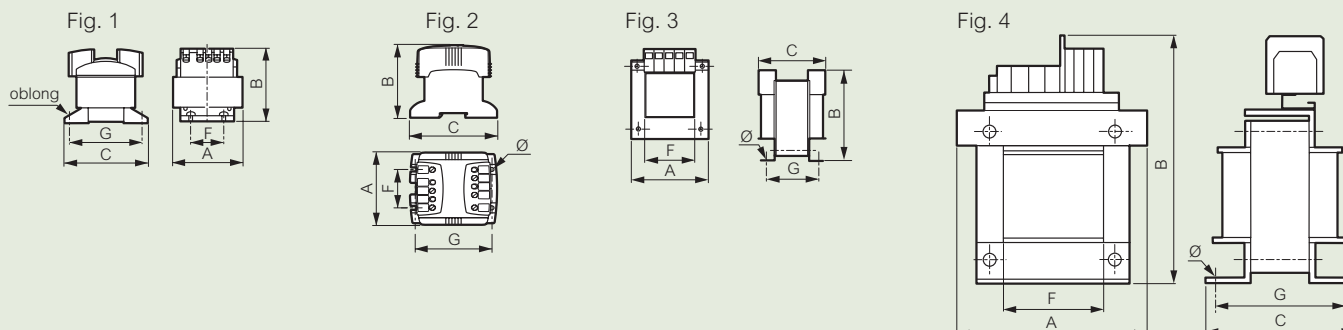


■ Characteristics

- Insulation voltage:
- between windings: 4 470 V
 - between primary and earth: 2 240 V
 - between secondary and earth: 250 V for 12 and 24 V and 1 780 V for 48, 115 and 230 V



Cat.Nos	Power (VA)	AIO (VA) cos φ 0.5	Fig.	Dimensions (mm)			Fixing (mm)			Weight (kg)	No load loss (W)	Total losses at 100% load (W)	Voltage drop (%)		Efficiency (%)		Ucc (%)	Connection PRI cable (mm²)			Connection SEC cable (mm²)		
				A	B	C	F	G	Ø				cos φ 1	cos φ 0.45	cos φ 1	cos φ 0.45		flexible	rigid	lug Ø (mm)	flexible	rigid	lug Ø (mm)
Single-phase safety transformers: Primary 230-400 V - Sec 12-24 V																							
428 40	40	55	1	84	70	98	40	86	4.5	0.9	3.7	13.1	18.3	12.7	0.75	0.58	15.6	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
428 41	63	91	1	84	77	98	40	86	4.5	1.3	4.9	16.3	13.5	10.2	0.79	0.64	11.8	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
428 42	100	140	1	84	86	98	40	86	4.5	1.6	6.2	21.0	10.5	8.7	0.83	0.68	9.5	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
428 43	160	205	1	84	104	98	40	86	4.5	2.4	9.1	31.8	8.8	7.4	0.83	0.69	7.9	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
428 44	220	290	1	96	115	110	40	98	4.5	3.4	12.6	40.0	6.9	6.3	0.85	0.71	6.5	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
428 45	310	345	2	106	123	115	50	100	5.2	3.82	14.2	54.9	7.3	6.2	0.85	0.72	8.2	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
428 46	450	1100	3	126	126	126	90	94	6.5	6	21.8	63.9	6.0	3.2	0.88	0.76	4.9	1 to 4	1 to 4	4.5	1 to 16	1 to 25	6.5
428 47	630	1520	3	126	126	141	90	105	6.5	8	25.5	62.4	4.3	2.6	0.91	0.82	3.5	1 to 4	1 to 4	4.5	1 to 16	1 to 25	6.5
428 49	1000	4130	4	220	222	170	122	140	7	14.7	43.3	76.2	2.9	1.8	0.93	0.86	2.4	0.25 to 6	0.5 to 10	-	4 to 35	2.5 to 50	-
Single-phase safety or isolation transformers: Primary 230-400 V - Sec 24-48 V																							
428 70	40	55	1	84	70	98	40	86	4.5	0.9	3.7	12.9	18.0	12.5	0.76	0.58	15.4	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
428 71	63	91	1	84	77	98	40	86	4.5	1.3	4.9	16.5	13.7	10.3	0.79	0.63	11.9	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
428 72	100	140	1	84	86	98	40	86	4.5	1.6	6.2	21.0	10.4	8.7	0.83	0.68	9.4	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
428 73	160	205	1	84	104	98	40	86	4.5	2.4	9.1	31.6	8.7	7.3	0.84	0.70	7.8	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
428 74	220	290	1	96	115	110	40	98	4.5	3.4	12.6	39.5	6.7	6.2	0.85	0.71	6.3	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
428 75	310	345	2	106	123	115	50	100	5.2	3.82	14.2	54.9	7.3	6.2	0.85	0.72	8.2	1 to 4	1 to 4	4.5	1 to 4	1 to 4	6.5
428 76	450	708	2	120	140	140	62.5	125	5.2	5.62	18.4	66.0	6.2	5.4	0.87	0.75	4.6	1 to 4	1 to 4	4.5	1 to 4	1 to 4	6.5
428 77	630	1 520	3	126	126	141	90	105	6.5	8	25.5	64.3	4.2	2.6	0.91	0.82	3.5	1 to 4	1 to 4	4.5	1 to 16	1 to 25	6.5
Single-phase circuits isolation transformers: Primary 230-400 V - Sec 115-230 V																							
427 85	40	55	1	84	70	98	40	86	4.5	1	3.7	10.9	15.6	12.6	0.79	0.62	14.2	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
427 86	63	91	1	84	77	98	40	86	4.5	1.3	4.9	15.6	12.5	9.7	0.80	0.65	11.0	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
427 87	100	140	1	84	86	98	40	86	4.5	1.6	6.2	21.1	10.7	8.9	0.83	0.68	9.7	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
427 88	160	205	1	84	104	98	40	86	4.5	2.4	9.1	32.3	8.8	7.3	0.83	0.69	7.9	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
427 89	220	290	1	96	115	110	40	98	4.5	3.4	12.6	40.1	6.8	6.2	0.85	0.71	6.4	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
427 90	310	345	2	106	123	115	50	100	5.2	3.82	14.2	54.0	7.3	6.2	0.85	0.72	6.7	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
427 91	450	708	2	120	140	140	62.5	125	5.2	5.62	18.4	64.0	5.9	5.1	0.88	0.76	4.3	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5
427 92	630	1520	3	126	126	123	90	105	6.5	7.8	25.5	64.6	4.3	2.6	0.91	0.81	4.2	1 to 4	1 to 4	4.5	1 to 4	1 to 4	4.5