

# Transformers and auto-transformers IP55

single-phase

## Safety transformers

Insulation voltages:

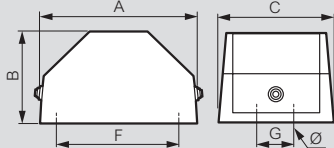
- Between windings: 4500 V for 230-400 V, 3550 V for 230 V
- Between primary and earth: 2250 V for 230-400 V, 1800 V for 230 V
- Between secondary and earth: 250 V
- Class II

Insulation class B, ambient temperature: 25°C

IP 55 - IK 07

Secondary voltage by series-parallel connection: supplied with links

Cat. Nos 0 427 20 to 27 and 0 427 60 to 65



### 230-400 V/24-48 V

Cat.Nos	Losses		Voltage drop (%) $\cos \psi = 1$	Efficiency (%) $\cos \psi = 1$	Ucc (%)	Dimensions (mm)			Fixing (mm)			Weight (kg)
	No-load losses (W)	Total losses at 100% load (W)				A	B	C	F	G	Ø	
0 427 20	5	6.8	8.7	83.6	7.4	182	92	112	143	-	6	3.6
0 427 21	7.8	10.1	8.8	84.3	7.2	192	92	112	158	-	6	4.2
0 427 22	14.5	14.5	7.6	84.3	7.9	207	100	122	167	-	6	6.3
0 427 23	15.7	20.3	7	87.2	5.9	215	100	122	175	-	6	6.7
0 427 24	17.3	30.8	7	89.0	6	245	130	156	203	50	6	11.5
0 427 25	31.3	33.4	4.6	90.7	3.7	290	150	190	247	50	6	19.2
0 427 26	32.7	36.7	3.3	93.4	2.7	290	150	190	247	50	6	19.7

### 230 V/12 V

Cat.Nos	Losses		Voltage drop (%) $\cos \psi = 1$	Efficiency (%) $\cos \psi = 1$	Ucc (%)	Dimensions (mm)			Fixing (mm)			Weight (kg)
	No-load losses (W)	Total losses at 100% load (W)				A	B	C	F	G	Ø	
0 427 60	5	10.7	15.4	79.6	11	182	92	112	143	-	6	3.5
0 427 61	7.6	13.9	11.8	82.0	9.7	182	92	112	143	-	6	3.5
0 427 62	10	18.7	10.3	84.4	7.8	192	92	112	158	-	6	4.1
0 427 63	15.7	21.5	7.9	86.3	6.6	215	100	122	175	-	6	6.6
0 427 64	27.3	29	6.1	87.5	4.9	265	130	156	223	50	6	11.9
0 427 65	31.3	33.6	4.8	90.7	3.7	290	150	190	247	50	6	19

## Circuit isolation transformers

Insulation voltages:

- Between windings: 4500 V
- Between primary and earth: 2250 V
- Between secondary and earth: 1800 V for 230 V  
2240 V for 400 V

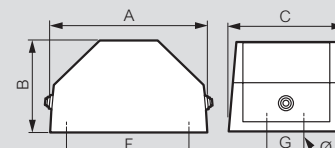
• Class II

Insulation class B, ambient temperature: 25°C

IP 55 - IK 07

Secondary voltage by series-parallel connection: supplied with links

Cat. Nos 0 425 10 to 16



### 230-400 V/115-230 V

Cat.Nos	Losses		Voltage drop (%) $\cos \psi = 1$	Efficiency (%) $\cos \psi = 1$	Ucc (%)	Dimensions (mm)			Fixing (mm)			Weight (kg)
	No-load losses (W)	Total losses at 100% load (W)				A	B	C	F	G	Ø	
0 425 10	5.3	9.0	10.6	81.4	9.8	182	92	112	143	-	6	3.5
0 425 11	10.4	15.8	12.6	78.6	10.7	192	92	112	158	-	6	4.3
0 425 12	16.2	8.2	3.7	86.8	3.7	207	100	122	167	-	6	6.3
0 425 13	15.7	20.6	6.6	87.1	6	215	100	122	175	-	6	6.7
0 425 14	27.3	24.5	4.7	88.4	4.2	245	130	156	203	50	6	11.5
0 425 15	30.9	17.0	2.0	93.0	2	270	150	190	227	50	6	18.6
0 425 16	33	38.5	3.2	93.1	2.8	270	150	190	227	50	6	18.7

## Auto-transformers

50-60 Hz. Class II

Insulation voltages:

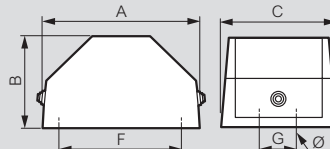
- Between winding and earth: 3000 V

Insulation:

- Class B up to 2000 VA, ambient temperature: 35°C

IP 55 - IK 07 up to 2000 VA

Cat. Nos 0 422 82 to 88



### Single-phase protected

Cat.Nos	Losses		Voltage drop (%) $\cos \psi = 1$	Efficiency (%) $\cos \psi = 1$	Ucc (%)	Dimensions (mm)			Fixing (mm)			Weight (kg)
	No-load losses (W)	Total losses at 100% load (W)				A	B	C	F	G	Ø	
0 422 82	5.0	11.1	3.8	93.9	3.0	182	92	112	143	-	6	3.5
0 422 84	11.8	25.0	4.7	93.1	3.4	207	100	122	167	-	6	6.3
0 422 85	12.2	20.5	2.5	95.8	1.8	207	100	122	167	-	6	6.3
0 422 86	19.2	24.4	2.2	95.8	1.6	245	130	156	203	50	6	11.5
0 422 87	30.6	20.2	1.2	96.7	0.9	270	150	190	227	50	6	17
0 422 88	33.7	27.0	1.2	97.0	1.0	270	150	190	227	50	6	17