

www.wic-ltd.com Phone: +44 1922 722933 wic@wic-ltd.com

Variable Auto Transformer ESS Series

Adjustable Auto Transformers For Building-In

Single-phase auto transformers are used for the low-loss, continuous adjustment of mains-connected alternating voltages. They are designed for the following specifications.

- Optimum adjustment or regulation of currents and voltages at the lowest losses and thus low heat generation.
- The same for three-phase current can be achieved by mechanical couplings of three control transformers.
- The design of the current collector ensures a reliable contact output and by actuation an independent cleaning of the contact track.
- Approximate 320° rotational angle
- Screw or solder connections



Specifications

Nom. Voltage: 230V or 400V Current ranges: Up to 80A

Frequency: 50 – 60 Hz
Opr. Mode: DB (continuous)

Safety Class: 0

Isolation cl.:

Protection cl.: IP00

Amb. Temp.: 45°C max.

Mounting: 4-Point-Flange-

В

Mounting or Axial/

Central Mounting

Test Voltage: Shaft Against

Caring Voltage

Parts 4kV

According to: VDE 0552,

EN61558-2-14

Conformity: CE, RoHS



Туре	Output Current A (by 230 V Output Current A (by 250 Output Voltage)		
ESS 102	2.5	2	
ESS 103	3.5	3.15	
ESS 104	4.5	4	
ESS 106	7	6.3	
ESS 108	9	8	
ESS 110	11.5	10	
ESS 118	20	18	
ESS 120	23	20	
ESS 9020	2.5	2	
ESS 9032	3.15	3.5	
ESS 9040	4.5	4.15	
ESS 9063	7	6.3	
ESS 9080	9	8	
ESS 9100	11.5	10	
ESS 9180	20	18	
ESS 9200	23	20	
ESS 9250	28	25	
ESS 9340	37	34	
ESS 9380	42	38	
ESS 9480	53	48	
ESS 9570	62	57	
ESS 9720	80	72	
ESS 502	2	2	
ESS 9010	1	-	
ESS 9013	1.25	-	

Туре	Output Current A by 230 V Output Voltage	Output Current A by 260 V Output Voltage	
ESS 3018	2.1	1.8	
ESS 302	2.1	1.8	
ESS 303	3.6	3.15	
ESS 3032	3.6	3.15	
ESS 305	5.7	5	
ESS 3050	5.7	5	
ESS 308	9.1	8	
ESS 3080	9.1	8	
ESS 318	21	18	
ESS 3180	21	18	
ESS 3230	26	23	
ESS 3340	39	34	
ESS 3440	50	44	
ESS 3510	58	51	
ESS 3660	75	66	



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ESS 602	1.86	1.86

Туре	Output Current A by 400 V Output Voltage	Output Current A by 430 V Output Voltage	
ESS 402	1.8	1.6	
ESS 4016	1.8	1.6	
ESS 403	2.7	2.5	
ESS 4025	2.7	2.5	
ESS 405	5.5	5	
ESS 4050	5.5	5	
ESS 409	10	9	
ESS 4090	10	9	
ESS 4120	13	12	
ESS 4180	20	18	
ESS 4230	25	23	
ESS 4250	27	25	
ESS 4340	37	34	

Туре	Nominal Input Voltage in V	Output Voltage in V	Continuous Current Carrying Capacity in A
KSS 103	42	<1-42	2.5
KSS 105	60	<1-60	5
ESS 108	250	<1-250	0.8