

Single Phase Motor Driven ESS Series

Variable 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.
- Drive technology: Motor drive 24V/12VDC or 230VAC
- Approximate 320° rotational angle
- Actuating time less than 15 seconds
- Screw or solder connections



Specifications

Nom. Voltage:	230V or 400V
Current ranges:	Up to 80A
Frequency:	50 – 60 Hz
Safety Class:	0
Protection cl.:	IP00
Opr. Mode:	DB (continuous)
Isolation cl.:	B
Amb. Temp.:	45°C max.
Mounting:	4-Point-Flange-Mounting or Axial/Central Mounting
Test Voltage:	Shaft Against Carrying Voltage Parts 4kV
According to:	VDE 0552, EN61558-2-14
Conformity:	CE, RoHS



Type	Output Current A (at 230 V Output Voltage)	Output Current A (At 250 V Output Voltage)
ESS 9010 M/DCM/AC	1	-
ESS 9013 M/DCM/AC	1.25	-
ESS 9020 M/DCM/AC	2.5	2
ESS 502 M/DC	2	2
ESS 9032 M/DCM/AC	3.15	3.5
ESS 9040 M/DCM/AC	4.5	4.15
ESS 9063 M/DCM/AC	7	6.3
ESS 9080 M/DCM/AC	9	8
ESS 9100 M/DCM/AC	11.5	10
ESS 9180	20	18
ESS 9200 M/DCM/AC	23	20
ESS 9250 M/DCM/AC	28	25
ESS 9340 M/DCM/AC	37	34
ESS 9380 M/DCM/AC	42	38
ESS 9480 M/DCM/AC	53	48
ESS 9570 M/DCM/AC	62	57
ESS 9720 M/DCM/AC	80	72

Type	Output Current A (at 250 Output Voltage)	Output Current A (at 270 V Output Voltage)
ESS 602 M/DC	1.86	1.86