

## Sparstelltransformator ESS Rotary variable transformer ESS Range



ESS 120

- ▶ **Variable Wechselspannung von Null bis zum Maximalwert**  
Variable ac voltage from zero to the maximum value
- ▶ **Nahezu verlustfrei**  
High efficiency
- ▶ **Gießharzverguss**  
Resin encapsulated transformer

Sparstelltransformator nach VDE 0552

Freiliegende Kontaktbahnen

Selbstständige Reinigung der Kontaktbahnen

Dehknöpfe und Skalen auf Anfrage: Drehknopf Typ AZ 50/6-1 für ESS 102 bis 106, 302 bis 305, 9008 und 9013; Drehknopf Typ AZ 50/8-1 für ESS 108 bis 120, 308 und 318; Skala Typ SK/85 für ESS 9008 und ESS 9013; Skala Typ SK/120 für ESS 102 bis ESS 318

Rotary variable transformer to VDE 0552

Good thermal dissipation

Safety contact of the moving contact

Self cleaning of contacts

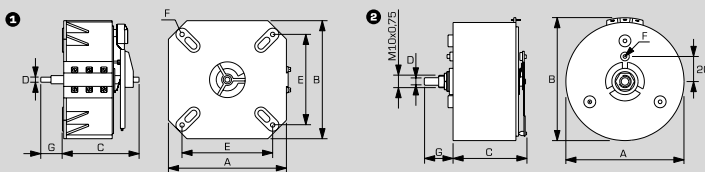
Knobs and scales on request: knob type AZ 50/6-1 for ESS 102 up to 106, 302 up to 305, 9008 and 9013; knob type

AZ 50/8-1 for ESS 108 up to 120, 308 and 318; scale type SK/85 for ESS 9008 and ESS 9013; scale type

SK/120 for ESS 102 up to ESS 318

SK/120 for ESS 102 up to ESS 318

Typ Type	ESS 9008	ESS 9013	ESS 102	ESS 103	ESS 104	ESS 106	ESS 108	ESS 110
Eingangsspannung Input voltage	230 V	230 V	230 V	230 V	230 V	230 V	230 V	230 V
Frequenzbereich Frequency range	50 - 400 Hz	50 - 400 Hz	50 - 400 Hz	50 - 400 Hz	50 - 400 Hz	50 - 400 Hz	50 - 400 Hz	50 - 400 Hz
Ausgangsspannung Output voltage	0...230 V	0...230 V	0...230/250 V	0...230/250 V	0...230/250 V	0...230/250 V	0...230/250 V	0...230/250 V
Ausgangsstrom Output current	0.80 A	1.25 A	2.00 A	3.15 A	4.00 A	6.30 A	8.00 A	10.00 A
Schutzart Protection index	IP 00	IP 00	IP 00	IP 00	IP 00	IP 00	IP 00	IP 00
Umgebungstemperatur max. Ambient temperature max.	45 °C	45 °C	45 °C	45 °C	45 °C	45 °C	45 °C	45 °C
Isolierstoffklasse Class of Insulation System	B	B	B	B	B	B	B	B
Prüfspannung Wicklung-Welle Test voltage control spindle	4 kV	4 kV	4 kV	4 kV	4 kV	4 kV	4 kV	4 kV
Drehwinkel Angle of rotation	320 °	320 °	320 °	320 °	320 °	320 °	320 °	320 °
Anschlüsse Terminals	Schraubklemmen screw type terminals	Schraubklemmen screw type terminals	Schraubklemmen screw type terminals	Schraubklemmen screw type terminals	Schraubklemmen screw type terminals	Schraubklemmen screw type terminals	Schraubklemmen screw type terminals	Schraubklemmen screw type terminals
Befestigung Fixing method	4-Punkt Flanschbefestigung four-point bolted flange joint	4-Punkt Flanschbefestigung four-point bolted flange joint	4-Punkt Flanschbefestigung four-point bolted flange joint	4-Punkt Flanschbefestigung four-point bolted flange joint	4-Punkt Flanschbefestigung four-point bolted flange joint	4-Punkt Flanschbefestigung four-point bolted flange joint	4-Punkt Flanschbefestigung four-point bolted flange joint	4-Punkt Flanschbefestigung four-point bolted flange joint
Maße in mm A/B/C/D Dimensions in mm A/B/C/D	94.5/98/59/6	94.5/95/59/6	137/125/84/6	159/147/84/6	159/147/84/6	159/147/103/6	197/185/118/8	197/185/118/8
Maße in mm E/F/G Dimensions in mm E/F/G	-/3/28	-/3/28	96/5.8/32	112/5.8/32	112/5.8/32	112/7/32	142/7/32	142/7/32
Maßbild Dimension drawing	2	2	1	1	1	1	1	1
Gewicht Weight	1.40 kg	1.40 kg	2.60 kg	3.80 kg	2.60 kg	5.20 kg	7.80 kg	7.80 kg
Bestellnummer Order Number	ESS 9008	ESS 9013	ESS 102	ESS 103	ESS 104	ESS 106	ESS 108	ESS 110





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Typ Type	ESS 118	ESS 120	ESS 302	ESS 303	ESS 305	ESS 308	ESS 318
Eingangsspannung Input voltage	230 V	230 V	230 V	230 V	230 V	230 V	230 V
Frequenzbereich Frequency range	50 - 400 Hz	50 - 400 Hz	50 - 400 Hz	50 - 400 Hz	50 - 400 Hz	50 - 400 Hz	50 - 400 Hz
Ausgangsspannung Output voltage	0...230/250 V	0...230/250 V	0...230/260 V	0...230/260 V	0...230/260 V	0...230/260 V	0...230/260 V
Ausgangsstrom Output current	18.00 A	20.00 A	1.80 A	3.15 A	5.00 A	8.00 A	18.00 A
Schutzart Protection index	IP 00	IP 00	IP 00	IP 00	IP 00	IP 00	IP 00
Umgebungstemperatur max. Ambient temperature max.	45 °C	45 °C	45 °C	45 °C	45 °C	45 °C	45 °C
Isolierstoffklasse Class of Insulation System	B	B	B	B	B	B	B
Prüfspannung Wicklung-Welle Test voltage control spindle	4 kV	4 kV	4 kV	4 kV	4 kV	4 kV	4 kV
Drehwinkel Angle of rotation	320 °	320 °	320 °	320 °	320 °	320 °	320 °
Anschlüsse Terminals	Schraubklemmen screw type terminals	Schraubklemmen screw type terminals	Schraubklemmen screw type terminals	Schraubklemmen screw type terminals	Schraubklemmen screw type terminals	Schraubklemmen screw type terminals	Schraubklemmen screw type terminals
Befestigung Fixing method	4-Punkt Flanschbefestigung four-point bolted flange joint						
Maße in mm A/B/C/D Dimensions in mm A/B/C/D	243/231/121/8	243/231/121/8	137/125/84/6	159/147/84/6	159/147/103/6	197/185/118/8	243/231/121/8
Maße in mm E/F/G Dimensions in mm E/F/G	180/11/32	180/11/32	96/5.8/32	112/5.8/32	112/7/32	142/7/32	180/11/32
Maßbild Dimension drawing	1	1	1	1	1	1	1
Gewicht Weight	14.00 kg	14.00 kg	2.60 kg	3.80 kg	5.20 kg	7.80 kg	14.00 kg
Bestellnummer Order Number	ESS 118	ESS 120	ESS 302	ESS 303	ESS 305	ESS 308	ESS 318

