

Magnetic voltage stabilizer **BSD**



General Data

Rated input voltage 230 Vac
Rated output voltage 230 Vac
Rated power 60 - 3000 VA
Degree of protection IP 00
Ambient temperature +40 °C

Advantages

Compensation for mains voltage fluctuations
Attenuation of asymmetric parasitic voltage peaks
Bridging momentary voltage dips
May be switched between high control precision and elevated parasitic voltage attenuation
Galvanic isolation from the mains
Short-circuit proof
No-load proof
RF interference free

Applications

Magnetic voltage stabilizer securing the supply voltage in the event of mains overvoltage, mains undervoltage, voltage dips and voltage surges and in the case of brief voltage interruptions.

Standards

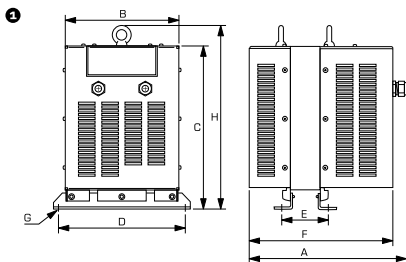
Magnetic voltage stabilizer acting as mains transformer in accordance with VDE 0570 part 2;2-12, EN 61558-1; 2-12, IEC 61558-1;2-12



Magnetic voltage stabilizer BSD

Type	BSD 60	BSD 120	BSD 250	BSD 500	BSD 800	BSD 1000
Electrical data						
<u>Operating data</u>						
Rated input voltage	230 Vac	230 Vac	230 Vac	230 Vac	230 Vac	230 Vac
Permissible tolerance (Input voltage)	+10 % to -30 %	+10 % to -30 %	+10 % to -30 %	+10 % to -30 %	+10 % to -30 %	+10 % to -30 %
Rated output voltage	230 Vac	230 Vac	230 Vac	230 Vac	230 Vac	230 Vac
Rated current	0.26 A	0.52 A	1.01 A	2.17 A	3.48 A	4.34 A
Rated Power	60 VA	120 VA	250 VA	500 VA	800 VA	1000 VA
Rated frequency	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
Harmonic content	<5 % at ohmic load	<5 % at ohmic load	<5 % at ohmic load	<5 % at ohmic load	<5 % at ohmic load	<5 % at ohmic load
Stored energy time at rated load	10 ms	10 ms	10 ms	10 ms	10 ms	10 ms
Correction time	20 - 60 ms	20 - 60 ms	20 - 60 ms	20 - 60 ms	20 - 60 ms	20 - 60 ms
<u>Environment</u>						
Ambient temperature max.	40 °C	40 °C	40 °C	40 °C	40 °C	40 °C
<u>Safety and protection</u>						
Type	enclosed	enclosed	enclosed	enclosed	enclosed	enclosed
Class of Insulation System	E	E	E	E	E	E
Protection index	IP 00	IP 00	IP 00	IP 00	IP 00	IP 00
Safety class (prepared)	I	I	I	I	I	I
Short circuit strength	short-circuit proof	short-circuit proof	short-circuit proof	short-circuit proof	short-circuit proof	short-circuit proof
Test voltage	2500 Vac, 50 Hz	2500 Vac, 50 Hz	2500 Vac, 50 Hz	2500 Vac, 50 Hz	2500 Vac, 50 Hz	2500 Vac, 50 Hz
<u>Order numbers</u>						
Order Number	BSD 60	BSD 120	BSD 250	BSD 500	BSD 800	BSD 1000
Mechanical data						
<u>Terminal and mounting</u>						
Fixing method	Mounting brackets	Mounting brackets	Mounting brackets	Mounting brackets	Mounting brackets	Mounting brackets
Terminals	Screw-type terminals	Screw-type terminals	Screw-type terminals	Screw-type terminals	Screw-type terminals	Screw-type terminals
<u>Measures and weights</u>						
Weight	3.60 kg	6.40 kg	11.00 kg	15.50 kg	22.00 kg	31.00 kg
Dimension picture (in mm)	①	①	①	①	①	①
A	212	232	266	288	318	287
B	75	100	147	147	147	210
C	138	181	216	216	216	302
D	92	120	165	165	165	235
E	58	59	66	88	118	82
F	190	210	242	264	294	261
G	66	66	140	140	140	162
H	-	-	-	-	-	340

Dimension pictures



LINE-SIDE SUPPRESSION/ VOLTAGE STABILIZERS



Magnetic voltage stabilizer BSD

Type	BSD 1500	BSD 2000	BSD 3000
Electrical data			
<u>Operating data</u>			
Rated input voltage	230 Vac	230 Vac	230 Vac
Permissible tolerance (Input voltage)	+10 % to -30 %	+10 % to -30 %	+10 % to -30 %
Rated output voltage	230 Vac	230 Vac	230 Vac
Rated current	6.52 A	8.7 A	13 A
Rated Power	1500 VA	2000 VA	3000 VA
Rated frequency	50 Hz	50 Hz	50 Hz
Harmonic content	<5 % at ohmic load	<5 % at ohmic load	<5 % at ohmic load
Stored energy time at rated load	10 ms	10 ms	10 ms
Correction time	20 - 60 ms	20 - 60 ms	20 - 60 ms
<u>Environment</u>			
Ambient temperature max.	40 °C	40 °C	40 °C
<u>Safety and protection</u>			
Type	enclosed	enclosed	enclosed
Class of Insulation System	E	E	E
Protection index	IP 00	IP 00	IP 00
Safety class (prepared)	I	I	I
Short circuit strength	short-circuit proof	short-circuit proof	short-circuit proof
Test voltage	2500 Vac, 50 Hz	2500 Vac, 50 Hz	2500 Vac, 50 Hz
<u>Order numbers</u>			
Order Number	BSD 1500	BSD 2000	BSD 3000
30 Mechanical data			
<u>Terminal and mounting</u>			
Fixing method	Mounting brackets	Mounting brackets	Mounting brackets
Terminals	Screw-type terminals	Screw-type terminals	Screw-type terminals
<u>Measures and weights</u>			
Weight	43.00 kg	56.00 kg	82.00 kg
Dimension picture (in mm)	①	①	①
A	325	418	485
B	210	210	210
C	302	302	302
D	235	235	235
E	120	153	220
F	299	392	459
G	162	162	162
H	340	340	340

Dimension pictures

