MOELLER

Type: **SN4–025–BI7**
Article No.: **200033**

Ordering information			
Description			Controlled output voltage 24 V DC Rated current 2.5 A

General			
Mains failure bridging		ms	> 10 at 50 Hz, 187 V > 8.33 at 60 Hz, 92 V
Protection class U_{out} to U_{in}			Class I, IEC 60536
Potential isolation			Yes, SELV as per IEC/EN 60950
Efficiency			
At 115 V			0,84
At 230 V			0,86
Power consumption			
At 115 V		W	71
at 230 V		W	69
Power loss			
At 115 V		W	12
At 230 V		W	10
Short–circuit recognition		A	7 at 80 ms
Overload recognition		A	3,5
Special use			2, suitable for parallel connection to increase power output or for redundant operation at rated power
Input voltage			
Rated value		V AC	115, 230
Range		V AC	92 to 132

			187 to 264
Cooling time		s	Input side 120; current limitation, primary side
Supply frequency			
Rated value		Hz	50/60
Range		Hz	47 – 63
Output voltage			
Rated value		V DC	24
Tolerance		%	± 3
Residual ripple		mV_{ss}	< 150
Switching peaks		mV_{SS}	< 240
Short−circuit protection			Yes
Proof against sustained short circuit			Yes
Behaviour on short−circuit			Independen tstart−up every 2 s
No−load test			Yes
Electromagnetic compatibility (EMC)			
Emitted interference			Class B, EN 50081−2
ESD			6 kV contact (Level 3), IEC/EN 61000−4−2, 8 kV air (Level 3), IEC/EN 61000−4−2
RFI			10 V/m, modulated, IEC/EN 61000−4−3
Burst			2 kV (Level 3), IEC/EN 61000−4−4
Surge			2 kV (Inst. Class 3), IEC/EN 61000−4−5
Surge voltage			4.9 kV, IEC/EN 60947
Immunity to line−conducted interference to (IEC/EN 61000−4−6)		V	10 V/m, ENV 50 141
Network harmonic currents, power factor correction (PFC)			Yes, IEC/EN 61000−3−2
Displays			
24 V DC (power) indication (LED)			Yellow
Overload/short−circuit (fault) indication (LED)			Red
Environmental compatibility			
Ambient temperature		°C	−0/+55
Storage		°C	−−25/+85
Pollution degree			2, EN 50178
Vibration			0.15 mm, 20 cycles, 10 – 150 Hz, IEC 60068−2−6

Shock resistance Shock duration 11 ms		g	15, IEC 60068−2−27 (3 shocks)
Altitude		m	Up to 2000 m a.s.l.; observe drating at higher altitudes
Protection type			IP20
Fixing			Mounting rail (IEC/EN 60715), screw fixing with ZB4−101−GF1
Mounting position			
Top−hat rail			Horizontal, vertical (observe derating)
Mounting feet			As required (observe derating)
Input current			
Input current			
At 115 V		A	1,1
at 230 V		A	0,5
Inrush current (25 °C)			
At 115 V		A	5
at 230 V		A	15
Primary side fuse, minimum requirements			
At 115 V			FAZ−C2/1
at 230 V			FAZ−C3/1 FAZ−C4/1
Output current			
Output current nominal value		A	2.5 horizontal, vertical (derating), linear characteristic from 100 % to 80 % output at +40 °C to +55 °C
Range 0 to +55 °C		A	0 to 2.5 horizontal; vertical (derating)
Terminal capacities			
Solid		mm^2	0.75 – 4
Flexible with ferrule		mm^2	0.5 – 2.5
Connections			Screw connection
Dimensions			
Width		mm	135
Height		mm	85
Depth		mm	85
Weight		kg	0,8

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