

			EASY200-POW	EASY400-POW	EASY500-POW	EASY600-POW
General						
Standards			EN 55011, EN 55022, IEC/EN 61000-4, IEC 60068-2-6, IEC 60068-2-27, EN 61000-6-2			
Dimensions (W × H × D)		mm	35.5 × 90 × 58 (2 space units)	71.5 × 90 × 58 (4 TE)	71.5 × 90 × 58 (4 PE)	107.5 × 90 × 58 (6 space units)
Weight		kg	0.1	0.25	0.28	0.3
Mounting			Top-hat rail IEC/EN 60715, 35 mm or screw fixing using fixing brackets ZB4-101-GF1 (accessories)			
Terminal capacities						
Solid		mm ²	0.2/4 (AWG 22 – 12)			
Flexible with ferrule		mm ²	0.2/2.5 (AWG 22 – 12)			
Standard screwdriver		mm	3.5 × 0.8	3.5 × 0.8	3.5 × 0.8	3.5 × 0.8
Max. tightening torque		Nm	0.6	0.6	0.6	0.6
Climatic environmental conditions						
Operating ambient temperature		°C	–25 ... 55, low temperatures to IEC 60068-2-1, high temperatures to IEC 60068-2-2			
Condensation			Take appropriate measures to prevent condensation			
Storage		°C	–40...70	–40...70	–40...70	–40...70
Relative humidity, non-condensing (IEC/EN 60068-2-30)		%	5...95	5...95	5...95	5...95
Air pressure (operation)		hPa	795...1080	795...1080	795...1080	795...1080
Max. installation altitude above sea level, observe derating with higher altitudes		m	2000	2000	2000	2000
Ambient conditions, mechanical						
Pollution degree			2	2	2	2
Degree of protection IEC/EN 60529			IP 20	IP 20	IP 20	IP 20
Vibrations (IEC/EN 60068-2-6)						
Constant amplitude 0.15 mm		Hz	10...57	10...57	10...57	10...57
Constant acceleration 2 g		Hz	57...150	57...150	57...150	57...150
Mechanical shock resistance (IEC/EN 60068-2-27) semi-sinusoidal 15 g/11 ms		Impacts	18	18	18	18
Drop to IEC/EN 60068-2-31	Drop height	mm	50	50	50	50
Free fall, packaged (IEC/EN 60068-2-32)		m	1	1	1	1
Mounting position			Horizontal/vertical			
Electromagnetic compatibility (EMC)						
Electrostatic discharge (IEC/EN 61000-4-2, Level 3, ESD)						
Air discharge		kV	8	8	8	8
Contact discharge		kV	6	6	6	6
Electromagnetic fields (IEC/EN 61000-4-3, RFI)		V/m	10	10	10	10
Radio interference suppression (EN 55011)			EN 55011 Class B; EN 55022 Class B, EN 50081-2 Class B			
Burst pulses (IEC/EN 61000-4-4, level 3)		kV	2	2	2	2
High-energy pulses (surge) (IEC/EN 61000-4-5)		kV	2 (supply cables, symmetrical)			
High-energy pulses (surge) (IEC/EN 61000-4-5, level 2), 24 V		kV	0.5 (outgoer cables symmetrical, EASY...DC)			
Immunity to line-conducted interference to (IEC/EN 61000-4-6)		V	10	10	10	10
Surge voltage (EN 50178), 24 V		kV	6	6	6	6
Insulation resistance						
Clearance in air and creepage distances			EN 50178			
Insulation resistance			EN 50178			
Protection class U_{out} to U_{in}			Class II to IEC 60536			
Potential isolation primary/secondary			Yes, SELV (VDE 0100 Part 410; IEC 60364-4-41, HD 384.4.41 S2) EN 60950, EN 50178			
Input voltage						
Rated input voltage AC		V	100/120/230/240 (–15/+10 %)			
Protective switches AC			FAZ-C1/1 or FAZ-B6/1			
Rated input voltage DC		V	85 – 264	85 – 264	85 – 264	85 – 264
DC protective switches			FAZ-C2/1-DC			
Voltage range		V AC	85 – 264	85 – 264	85 – 264	85 – 264
Frequency range		Hz	47 – 63	47 – 63	47 – 63	47 – 63
Mains failure bridging 115/230 V (IEC/EN 61000-4-11)		ms	> 10/> 20	> 2/> 4	> 2/> 4	> 2/> 4
Fuse 115/230 V		A	1.5 slow	2/1 slow	2/1 slow	2/1 slow



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Rating data					
Efficiency	%	> 80	> 83	> 85	> 85
Power consumption	W	Normally 7	Normally 35	Normally 70	Normally 115
Power loss	W	Normally 1	Normally 5	Normally 10	Normally 18
Input current					
Input current rated value 115/230 V AC	A	Approx. 0.17/0.05	Approx. 0.6/0.3	Approx. 0.8/0.4	Approx. 1/0.5
Inrush current at 25 °C 230 V	A	< 5	< 18	< 30	< 30
Output voltage					
12 V DC (reference voltage)					
Rated value	V DC	12	–	–	–
Tolerance	%	± 4	–	–	–
Switching peaks	mV _{SS}	< 7	< –	< –	< –
Effect of input voltage	%	± 1	–	–	–
Effect with 25 – 100 % load change	%	± 1	–	–	–
24 V DC					
Rated value	V DC	24	24	24	24
Tolerance	%	± 3	± 3	± 3	± 3
Switching peaks 115/230	mV _{PP}	< 50/30	< 5	< 5	< 5
Effect of input voltage	%	± 1	± 1	± 1	± 1
Effect with 25 – 100 % load change	%	± 1	± 2	± 2	± 2
Can be connected in parallel to increase power		–	Yes	Yes	Yes
Output current					
12 V DC (reference voltage)					
Output current	mA	0 – 20	–	–	–
Effectiveness of current limitation	mA	20	–	–	–
Reduction of output voltage after current limitation	V	< 12	–	–	–
Overload proof		Yes, by current limitation permanently short-circuit proof	–	–	–
Proof against sustained short circuit		Yes	–	–	–
24 V DC					
Output current	A	0 – 0.35	0 – 1.25	0 – 2.5	0 – 4.2
Effectiveness of current limitation	A	> 0.4	> 1.5	> 2.8	> 4.8
Reduction of output voltage after current limitation	V	–	< 18	< 18	< 18
Overload proof		Yes, by current limitation			
Proof against sustained short circuit		Yes, hiccup-mode	Yes, hiccup mode, approx. 2 Hz		
Special load conditions					
Lamp load, cold, 24 V DC	W	2	10	–	–
Base load present	W	1	5	–	–
Behaviour on emergency-stop in 24 V circuit, disconnection with contactor (contactor load, no damage)	W	6	30	–	–
Displays					
Indication of output voltage (LED, continuous green light = OK)	V DC	24	24	24	24

