

Feature	SD822Z	SD831	SD832	SD833	SD834
Mounting spacing Width mm	15 mm (0.59 in.)	15 mm (0.59 in.)	15 mm (0.59 in.)	15 mm (0.59 in.)	15 mm (0.59 in.)
Mounting spacing Height mm	25 mm (1 in.)	40 mm (1.57 in.)	40 mm (1.57 in.)	40 mm (1.57 in.)	40 mm (1.57 in.)
Weight (lbs.)	620 g (1.4 lbs)	430 g (0.9 lbs.)	500 g (1.1 lbs.)	700 g (1.5 lbs.)	1200 g (2.6 lbs.)
Corrosive atmosphere ISA-S71.04	G3	G2	G2	G2	G2
CE mark	Yes	Yes	Yes	Yes	Yes
El. safety, Haz loc, C1 Zone 2	No	No	No	No	No
El. safety, Haz loc, C1 Div 2	No	No	No	No	Yes
Electrical safety	IEC 61131-2, UL 508, EN 50178 (Note! UL 508 not valid for SS823)				
Pollution degree	Degree 2, IEC 60664-1				
Mechanical operating conditions	EN 61131-2				
EMC	EN 61000-6-4 and EN 61000-6-2				
Overvoltage Categories	Over-voltage Category III (IEC/EN 60664-1)				
RoHS compliance ⁽²⁾	EN 50581:2012				
WEEE compliance ⁽²⁾	DIRECTIVE/2012/19/EU				

(2) For detailed information on each module, please visit:

www.800xahardwareselector.com
www.compacthardwareselector.com

Feature	SD853	SD854	SS822Z	SS832	SS823
Article number	3BSE088188R1	3BSE088189R1	3BSC610055R1	3BSC610068R1	3BSE038226R1
Rated output current	10 A	20 A	20 A	10 A (20 A in parallell operation)	20 A
Rated output power	240 W	480 W	-	-	-
Rated output voltage	24 V d.c.	24 V d.c.	-	-	-
Rated input power			500 W	240 W (480 W in parallell operation)	500 W
Mains/input voltage, nominal	100-240 V a.c. 110-150 V d.c.	100-240 V a.c. 110-150 V d.c.	2x24 V d.c.	2x24 V d.c (1x24 V d.c in parallell operation)	1x24 V d.c
Mains voltage variation allowed	85-264 V a.c / 88 -180 V d.c.	85-264 V a.c / 88 -180 V d.c.	-	-	-
Mains frequency	50-60 HZ (+ - 6%)	50-60 HZ +- 6%	-	-	-
Primary peak inrush current at power on	< 11 A	< 10 A	-	-	-
Applications	SELV and PELV	SELV and PELV	-	-	-
Load sharing	-	Parallell connection (1) See instruction	Two in parallell	Two in parallell	Yes
Power Factor (at rated output power)	0.99/0.97	0.99/0.95	-	-	-
Heat dissipation	16.4 W / 12.1 W, 120/230 V a.c.	29.6 W / 22.1 W, 120/230 V a.c.	10 W at 20 A and 2,5 W at 5 A	9 W (18 W)	24 W at 20 A and 6 W at 5 A
Efficiency factor	93.6/95.2 % @ 120/230 V a.c.	92.4/95.6 % @120/230 V a.c.	-	-	-
Output voltage regulation at max. current	max 50 mV 0 - 12 A	100 mV	0,5 V lower than input	0.85 V lower than input	1.2 V lower than input
Ripple (peak to peak)	< 50 mV	50 mV	-	-	-
Secondary voltage holdup time at mains blackout	37 ms	32 ms	-	-	-
Maximum output current (min)	12 A At ambient temp < 45 °C	24 A At ambient temp < 45 °C	35 A (Overload)	25 A (Overload)	35 A (Overload)
Maximum ambient temperature	60 °C	60 °C	60 °C	60 °C	55 °C

Feature	SD853	SD854	SS822Z	SS832	SS823
Primary: Recommended external fuse ⁽¹⁾	10-20 A	10-20 A	-	-	-
Secondary: Short circuit	30 A for < 12 ms	60 A for < 12 ms	-	-	-
Secondary: Over-Voltage protection	Max 32 V	Max 32 V	-	-	< 30 V
Class of protection	I PE (Protective Earth) connection required		-	-	-
Protection rating	IP20 according to IEC60529				
Height	124 mm (4.88 in.)	124 mm (4.88 in.)	125 mm (4.9 in.)	125 mm (4.9 in.)	132 mm (5.3 in.)
Width	39 mm (1.53 in.)	48 mm (1.88 in.)	50 mm (1.97 in.)	32 mm (1.26 in.)	116 mm (4.6 in.)
Depth	117 mm (4.60 in.)	127 mm (5.00 in.)	110 mm (4.3 in.)	117 mm (4.61 in.)	145 mm (5.8 in.)
Mounting spacing Width mm	15 mm (0.59 in.)	15 mm (0.59 in.)	15 mm (0.59 in.)	15 mm (0.59 in.)	15 mm (0.6 in.)
Mounting spacing Height mm	40 mm (1.57 in.)	40 mm (1.57 in.)	25 mm (1 in.)	25 mm (1 in.)	25 mm (1.2 in.)
Weight (lbs.)	600 g (1.32 lbs)	830 g (1.83 lbs)	630 g (1.4 lbs)	350 g (0.77 lbs.)	870 g (1.9 lbs.)
Corrosive atmosphere ISA-S71.04	G3	G3	G3	G2	G3
CE mark	Yes	Yes	Yes	Yes	Yes
El. safety, Haz loc, C1 Zone 2	ATEX: EN 60079-0, EN60079-15; IECEx: IEC60079-0, IEC 60079-15; ANSI/ISA 12.12.01-2015, Class 1 Div 2		No	No	No
El. safety, Haz loc, C1 Div 2	UL: Class 1, Div2, Groups A, B, C, D T4		No	No	No
Electrical safety	IEC 60950-1		IEC 61131-2, UL 508, EN 50178 (Note! UL 508 not valid for SS823)		
Pollution degree	Degree 2, IEC 62477-1		Degree 2, IEC 60664-1		
Mechanical operating conditions	EN 61131-2				
EMC	EN 61000-6-4 and EN 61000-6-2				
Overvoltage Categories	Over-voltage Category III (IEC/EN 60664-1)				
RoHS compliance ⁽²⁾	EN 50581:2012				
WEEE compliance ⁽²⁾	DIRECTIVE/2012/19/EU				

(1) Microcircuit Breaker (MCB), Characteristic B

(2) For detailed information on each module, please visit:

www.800xahardwareselector.com

www.compacthardwareselector.com