



## Technical Data

wipos PB1 12-0.83		Part number: 81.000.6302.0
Rated input voltage AC	[U <sub>IN,AC</sub> ]	100 - 240 V AC
Line frequency AC		47 - 63 Hz
Power factor correction filter (PFC)		not necessary
Input voltage range AC	[U <sub>I,AC</sub> ]	90 ... 264 V AC
Input voltage range DC	[U <sub>I,DC</sub> ]	120 ... 375 V DC
Rated input current (U <sub>I,AC</sub> = 115 V, I <sub>ON</sub> )		0.2 A typ./0.3 A max.
Inrush current (U <sub>I</sub> = 115/230 V AC, I <sub>ON</sub> )		max. 15 A/max. 30 A
Input fuse		T 1A/250 V AC (internal)
Hold up time (U <sub>I</sub> = 115/230 V AC, I <sub>ON</sub> )		> 20 ms/> 100 ms
Input surge voltage protection		Varistor
Isolation voltage (input/output)		3000 V AC/4242 V DC
Isolation resistance (input/output)		100 MOhm
Switching frequency min./max.		80 kHz/90 kHz
Ventilation/Cooling		Free air convection
Mounting conditions (free space)		25 mm free space on all sides recommended for cooling
Pollution degree		2
Operating ambient temperature	[T <sub>U</sub> ]	-40 °C ... +71 °C
Humidity in operation		20 - 95 % RH
Storage temperature range	[T <sub>U</sub> ]	-40 °C ... +85 °C
Mounting		DIN rail 35 mm (EN 60715)
Degree of protection		IP 20
MTBF		884,000 h
Dimensions (W x H x D)		18 x 91 x 57 mm
Weight		ca. 0.065 kg
Housing material		Plastic
Connector cross section screw terminals		
cross section (min.)	solid/stranded	0.2 mm <sup>2</sup> (AWG26)
cross section (max.)	solid/stranded	2.5 mm <sup>2</sup> (AWG12)
Strip length		4 - 5 mm
Torque		0.56 Nm max.
Approvals and standards		
UL/cULus		UL 508 Listed, UL60950-1 Recognized
CE		EN61000-6-3, EN 55022 Class B, EN61000-3-2, EN61000-3-3, EN61000-6-2, EN55024, EN61000-4-2, Level 3, EN61000-4-3 Level 3, EN61000-4-4 Level 4, EN61000-4-5 L-N Level 3, EN61000-4-6 Level 3, EN61000-4-8 Level 4, EN61000-4-11, ENV50204 Level 2, EN60204-1, EN61204-3
Terminal connections		
-		Output voltage 12 V DC, negative output
+		Output voltage 12 V DC, positive output
L		AC: phase conductor, DC: no polarity
N		AC: neutral conductor, DC: no polarity