

Technical Data

wipos PB1 24-2.5		Part number: 81.000.6330.0	
Rated input voltage AC	[U _{IN,AC}]	100 - 240 V AC	
Line frequency AC		47 - 63 Hz	
Power factor correction filter (PFC)		not necessary	
Input voltage range AC	[U _{I,AC}]	90 ... 264 V AC	
Input voltage range DC	[U _{I,DC}]	120 ... 375 V DC	
Rated input current (U _{I,AC} = 115 V, I _{ON})		1.1 A typ./1.5 A max.	
Inrush current (U _I = 115/230 V AC, I _{ON})		max. 30 A/max. 60 A	
Input fuse		T 2A/250 V AC (internal)	
Hold up time (U _I = 115/230 V AC, I _{ON})		> 12 ms/> 60 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.		45 kHz/55 kHz	
Ventilation/Cooling		Free air convection	
Mounting conditions (free space)		25 mm in all directions	
Pollution degree		2	
Operating ambient temperature	[T _U]	-40 °C ... +71 °C	
Humidity in operation		20 - 95 % RH	
Storage temperature	[T _U]	-40 °C ... +85 °C	
Mounting on		DIN rail 35 mm (EN 60715)	
Degree of protection		IP 20	
MTBF		608,000 h	
Dimensions (W x H x D)		71 x 91 x 57 mm	
Weight		ca. 0.25 kg	
Housing material		Plastic	
Connector cross section			
cross section min.	solid/stranded	0.5 mm ²	(AWG26)
cross section max.	solid/stranded	2.5 mm ²	(AWG12)
Strip length		7 mm	
Torque		0.6 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	
Control elements			
Vout Adjust		Trim potentiometer for U _{out} adjustment	
Terminal connections			
-		2 x output voltage 24 V DC, negative output (internally connected)	
+		2 x output voltage 24 V DC, positive output (internally connected)	
L		AC: phase conductor, DC: no polarity	
N		AC: neutral conductor, DC: no polarity	