

wipos PB1 12-0.83

Technical Data

wipos PB1 12-0.83		Part number: 81.000.6302.0
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})		0.2 A typ. / 0.3 A max.
Inrush current (U _I = 115 V / 230 V AC, I _{ON})		max. 15 A / max. 30 A
Input fuse		T 1A / 250 V AC (internal)
Hold up time (U _I = 115 V / 230 V AC, I _{ON})		> 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 in all directions
Pollution degree		2
Operating ambient temperature	[T _U]	-25 °C ... +71 °C
Humidity in operation		20 – 95 % RH
Storage temperature	[T _U]	-25 °C ... +85 °C
Mounting on		DIN rail 35 mm (EN 60715)
Degree of protection		IP 20
MTBF		884000 h
Dimensions (W x H x D)		18 x 91 x 57 mm
Weight		ca. 0.065 kg
Housing material		Plastic
Connector cross section		
cross section min.	solid/stranded	0.2 mm ² (AWG26)
cross section max.	solid/stranded	2.5 mm ² (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