



## wipos P1 12-5

### Technical Data

wipos P1 12-5		Part number: 81.000.6132.0
Rated input voltage AC	[U <sub>IN AC</sub> ]	100-240 V AC (85 ... 264 V AC)
Line frequency AC		47 – 63 Hz
Power correction factor (PFC)		not required
Rated input voltage DC	[U <sub>IN DC</sub> ]	90 – 375 V DC
Rated input current		1.5 A
Inrush current 115 V AC / 230 V AC		20 A / 40 A max.
Input fuse		T2 A / 250 V (intern)
Hold up time (at I <sub>ON</sub> )	U <sub>I AC</sub> = 115 V U <sub>I AC</sub> = 230 V	> 20 ms > 30 ms
Isolation voltage (Input/Output)		3000 V AC / 4242 V DC
Isolation resistance (Input/Output)		100 MOhm
Cooling / Ventilation		free convection
Moulding conditions (free space)		25 mm free space on all sides recommended for cooling / up to 50 °C no horizontal space required
Operating temperature range	[T <sub>U</sub> ]	-40 °C ... +71 °C (UL: max. 50 °C)
Humidity in operation		20 – 95 % RH
Storage temperature	[T <sub>U</sub> ]	-40 °C ... +85 °C
Mounting on		DIN rail, 35 mm Hutschiene (EN60715)
Degree of protection		IP 20
MTBF (Bellcore issue 6 @ 40 °C, GB)		504.000 h
Dimensions (W x H x D)		40.5 x 88.5 x 115 mm
Weight		ca. 340 g
Housing material		Polycarbonate (PC)
Connector cross section (min.)	eindrätig feindrätig	0.2 mm <sup>2</sup> (AWG26) 0.2 mm <sup>2</sup> (AWG26)
Connector cross section (max.)	eindrätig feindrätig	2.5 mm <sup>2</sup> (AWG12) 2.5 mm <sup>2</sup> (AWG12)
Strip length		4 ... 5 mm
Torque		0.6 Nm max.
Approvals		
UL / cULus		UL 508 Listed, UL60950-1 Recognized
TUV / Safety		EN60950-1, EN61558-1, EN61558-2-17 (follow EN60204) , IRAM
CE		EN55022 & EN61000-6-3, EN61000-3-2, EN61000-3-3, EN55024 & EN61000-6-2, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11, EN60204-1, EN61204-3
Terminal connections		
-		2 x output voltage 12 V, negative pole (internally connected)
+		2 x output voltage 12 V, positive pole (internally connected)
NC		Not connected
L		AC: Phase, DC: without polarity
N		AC: Neutral, DC: without polarity
⊕ (PE)		PE (Ground), always connect