






PSU048-0480S1X2AAD1A PSU 48VDC/10A 480W 90-264VAC



General information

Description	PSU 48VDC/10A 480W 90-264VAC , Output: 48 VDC, 480 W, Switchmode, 1 phase AC, Input: 230 V, 85-264 VAC, DIN rail, Lowcost high performance		
Voltage Output	48	Output Current	10
PSU power out [W]	480	PSU Efficiency [%]	92.5
Input Voltage	90-264VAC		
CE Marked	Yes		
			
Approval - ROHS-3	Yes		
			
Approval UL	Yes		
			
Weight net [kg]	1.50	Manufacture	JVL
Tariff no			



JVL A/S | Bregnerødvej 127 | DK-3460 Birkerød | Denmark | Tel. (+45) 4582 4440 | www.jvl.dk | sales@jvl.dk

PSU048-0480S1X2AAD1A PSU 48VDC/10A 480W 90-264VAC

Mechanical information

Width [mm]	85.5	Depth	128.5
Height [mm]	125.2		
Protection house	IP20		
Box Size units	mm	Box size	17.5x12x15.5 cm



PSU048-0480S1X2AAD1A PSU 48VDC/10A 480W 90-264VAC

Electrical information

Input Voltage	90-264VAC	Input voltage Min-Max	90-264VAC
Input AC Current	4.8A/115VAC, 2.4A/230VAC	Inrush Current	20A/115VAC 35A/230VAC
Input Voltage Frequency	47-63Hz		
Voltage Output	48	Output Voltage Adj. Range	48-55
Output Voltage Tolerance	+/-1.0%	PSU Output Ripple	
PSU power out [W]	480	No Load Power [W]	
Output Setup Time	1500ms	Output Rise Time	100ms/230VAC 3000ms, 100ms/115VAC at full load
Output Load Regulation	+/-1.0%	Output Line Regulation	+/-0.5%
Output Hold Up Time	16ms/230VAC 16ms/115VAC at full load		
PSU max current [A]	10	Output Current Range	0-10
Overvoltage Protection	56-65	Overload Protection	105 ~ 130% rated output power
PSU Efficiency [%]	92.5		
Protection Overload	105 ~ 130% rated output power	Protection Overload Type	Constant current limiting, unit will shut down after 3 sec., re-power on to recover
Protection Overvoltage	56-65	Protection Overvoltage Type	Shut down o/p voltage, repower on to recover
Protection Overtemperature	Shut down o/p voltage, recovers automatically after temperature goes down		
Humidity working	20-95% None-Condensing	Humidity Storage	10 ~ 95% RH non-condensing
Temperature ambient [°C]	-20 - +70□ Refer to "Derating Curve"	Temperature storage	-40 - +85□, 10 - 95% RH
Vibration	Component: 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6		
Safety Standards	UL508, TUV EN62368-1, EAC TP TC 004 BSMI CNS14336-1 approved, ;meet EN60204-1		
Withstand Voltage	I/P-O/P: 3KVAC I/P-FG: 2KVAC O/P-FG: 0.5KVAC		
EMC Emission	Compliance to EN55032 CISPR32, EN61204-3 Class B, EN61000-3-2,-3, EAC TP TC 020, CNS13438 Class B		
EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN61000-6-2 EN50082-2, EN61204-3, heavy industry level, criteria A, EAC TP TC 020		
Relay of Contact rating			



JVL A/S | Bregnerødvej 127 | DK-3460 Birkerød | Denmark | Tel. (+45) 4582 4440 | www.jvl.dk | sales@jvl.dk

PSU048-0480S1X2AAD1A PSU 48VDC/10A 480W 90-264VAC

Cable information

Item number	Mount on	Cable con 1 +Con 1 angle	Cable application	Wires no totally	Cable length [m]
Item description		Cable con 2 +Con 2 angle	Cable flexibilty	Wire [mm2]	Connector 1 LED