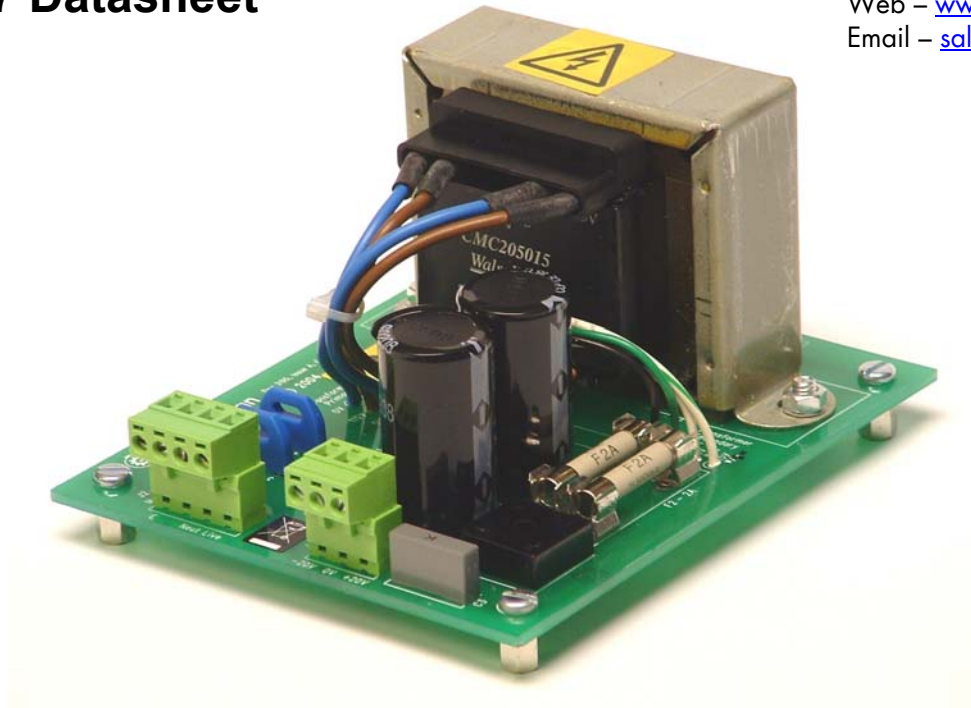


MSE47 Datasheet



The MSE47 is a power supply unit designed for chassis mounting. It has two unregulated DC outputs; +20V and –20V rated at 1.5A total, capable of supplying one MSE40-1 (1A) or three MSE40 (0.5A) servo channels at full power.

The mains input can be either 230 Vac or 115 Vac depending on pcb link selection. All of the power supply components including the fuse holders are mounted on a 2.5mm glass fibre pcb with 4 M4 threaded pillars for chassis mounting. The connections to the MSE47 are made via removable connectors with “rising clamp” style screw terminals

The mains input should be protected by a separate external 1A anti-surge fuse.

Specification

+20V and –20V output voltage	24V off load
	20V at full load
Total output current	1.5A max, (60 VA).
Mains input voltage	115 or 230 Vac, 50 or 60 Hz

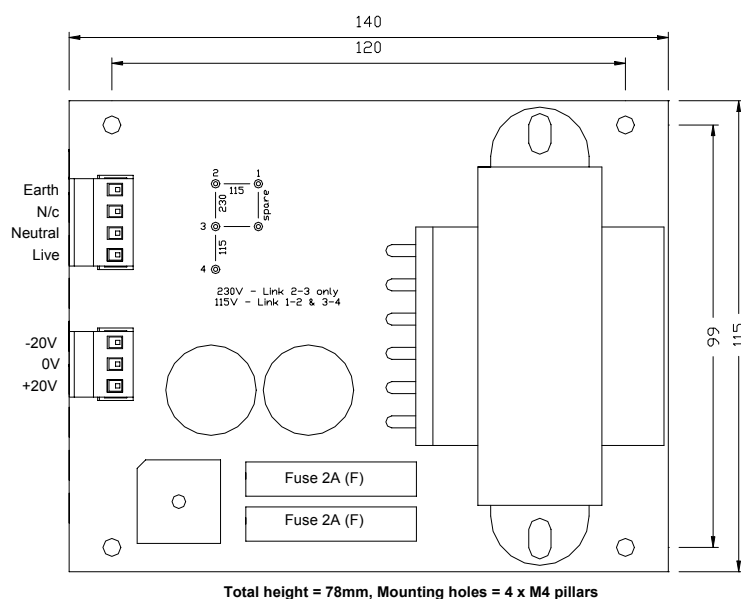
Height:	78 mm
Width:	115 mm
Length:	140 mm
Mounting dimensions (threaded M4)	99 mm x 120 mm - 6mm max thread length
Weight:	1.20 Kg
Part number:	506PSU00147

Connections

Connections		Connector	Comment
Mains Input	Live	J2/1	Externally fused (1A)
	Neutral	J2/2	
		J2/3	No connection
	Earth	J2/4	
Output	+20V	J1/1	Max 1.5A on either output or 0.75A on both.
	0V	J1/2	
	-20V	J1/3	

230V Mains operation – Blue links in 2-3 (230) and “spare”.
115V Mains operation – Blue links in 1-2 (115) and 3-4 (115).

INCORRECT MAINS SUPPLY SELECTION COULD RESULT IN DAMAGE TO THE UNIT



Fuses

Mains fuse (external) @ 230 Vac	1A	anti-surge
Mains fuse (external) @ 110 Vac	1A	anti-surge
Low voltage fuses (F1 & 2, on-board)	2A	quick-blow 32mm



Warning – Mains voltages are present on this board, do not adjust, service, dis-assemble or otherwise work on this unit whilst power is applied.



In accordance with European directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE), disposal of this item must be through the correct channels for WEEE. It should not be disposed of by landfill.

This item can be returned to Mclennan for end of life disposal under the WEEE directive, contact Mclennan for further information.