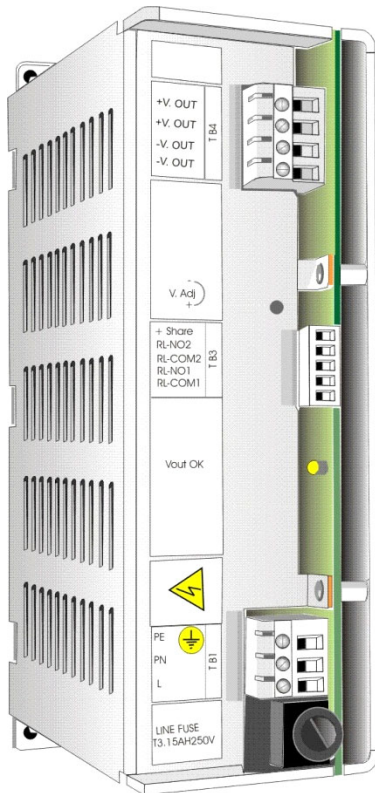


PU-A0005-1

125W AC/DC Converter

This is a universal switching feeder, which can supply a maximum current of 4A at 25 VDC. It is used, with PU-A0004 battery charger, to meet the requirements of the EN54-4 standard. The feeder is provided with a load sharing circuit, which makes it possible to connect up to four feeders in parallel.



Main Characteristics

- To be used alone or with a PU-A0004 battery charger
- Suitable to build up power supply groups certified to EN 54-4
- Input voltage variable between 110 and 240 VAC
- Input frequency from 50 to 60 Hz
- Maximum continuous current 4A at 24VDC
- Up to 4 feeders in parallel
- Load sharing circuit with Share input
- Protected against short circuit
- LED for fault indication
- Two NO contacts for status repetition
- Ripple < 266mV pk/pk at maximum current
- Stability > 1%
- Efficiency > 80%
- Dimensions 200 mm x 60 mm x 110 mm (excluding terminals)
- Operating temperature -5 to +50 °C (in open air)
- Mounting on panel backplane

WIRING OF INPUT SUPPLY

Terminal Block	Terminal	Name	Function
TB1	M1	L input	Phase (line protected by internal fuse)
	M2	N input	Neutral
	M3	PE	Ground

WIRING OF STATUS AND SHARE SIGNAL REPETITION

Terminal Block	Terminal	Name	Function
TB2	M1	RL-COM1	Status 1 relay common contact
	M2	RL-NO1	Status 1 relay NO contact
	M3	RL-COM2	Status 2 relay common contact
	M4	RL-NO2	Status 2 relay NO contact
	M5	SHARE (+)	Input of synchronization signal for load sharing

WIRING OF OUPUT SUPPLY

Terminal Block	Terminal	Name	Function
TB3	M1	- V OUT	Output voltage negative
	M2	- V OUT	Output voltage negative
	M3	+V OUT	Output voltage positive
	M4	+V OUT	Output voltage positive

General Characteristics

Input voltage	110-240 VAC (-15 to +10%) / 115-250 VDC
Maximum current at 110 VAC	1.6 A
Maximum current at 240 VAC	0.8 A
Operating temperature	-5 to +50 °C (open air)
Relative humidity	93% (non-condensing)
Input voltage frequency	47 to 63 Hz
Power ratio (W/VA)	0.6 (typical)
Efficiency	> 80%
Protection	IP20
Dimensions	200mm x 110mm x 60mm
Self-extinguishing	UL94V2
Insulation between input and output	> 2 Mohm (500 VDC)
Insulation between input and ground	> 2 Mohm (500 VDC)
Insulation between output and ground	> 2 Mohm (500 VDC)
Dielectric strength between input and output	3000 VAC for 1 minute
Dielectric strength between inputs and ground	1500 VAC for 1 minute
Dielectric strength between outputs and ground	1500 VAC for 1 minute

Feeder Section

VLOAD voltage	25 VDC (adjustable between 23 and 26 VDC)
VLOAD current	4 A
VLOAD ripple	<266 mV pK-pK at maximum current

Protection

Line	Fuse T 6.3A H 250V (5x20)
Other	over-voltage, short-circuit

Reference Standards

Product	EN54-4:1997
CE marking	EN50081-2 & EN50082-2 (industrial environment)
Safety	EN60950 (CEI-74-2)

**CERTIFIED IN ACCORDANCE WITH EN54-4
A2:2006
(C.P.D. requirements)**

This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

Honeywell International Inc.

Industrial Fire Protection

12 Clintonville Road

Northford, CT 06472-1610

+1 203-484-7161

fax: +1 203-484-7118

www.honeywell.com

Honeywell Industrial Training Center

9401 Bay Area Boulevard #400

Pasadena, TX 77507

+1 713-577-1510

Honeywell

HI-60883
January 2015
© 2015 Honeywell International Inc.