

PSU5A SERIES

PSU6A SERIES



AC-DC DIN rail mountable power supply industrial control equipment

- Universal input 85~264VAC
- Short circuit protection
- Internal input filter
- 2 years warranty

PSU5R SERIES



The PSU 5R is the ideal choice for your control supply needs for both the DFE (up to 97A) and PFE Soft Starters. It is a compact 24VDC power supply that is DIN Rail mounted which cuts down on cabinet space and minimises installation time.

One PSU 5R can control up to 3 PFE or DFE (up to 97A) Soft Starters reducing the need for multiple power supply systems.

MODEL

Model No.	Input Voltage	Output Wattage	Output Voltage	Output Current	EEF. (min)	EEF. (typ.)
DRA18-24A	90~264 VAC	18 WATTS	+ 24 VDC	750 mA	75%	77%

SPECIFICATIONS

All Specifications Typical At Nominal Line, Full Load, 25 C Unless Otherwise Noticed

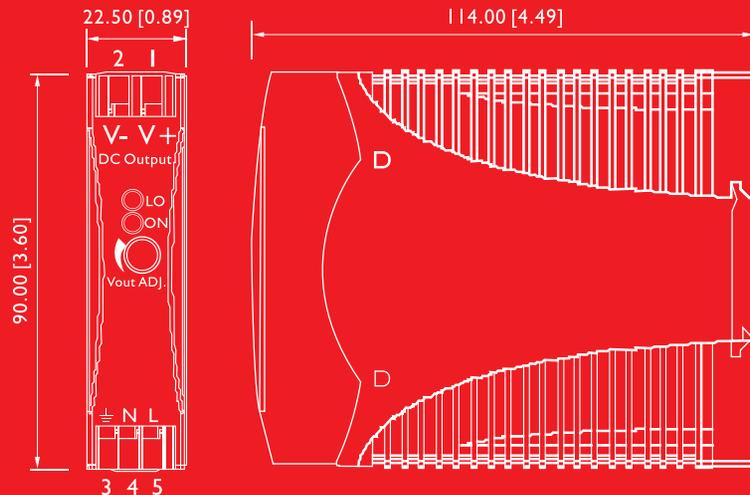
INPUT SPECIFICATION					
Characteristics	Condition	min.	typ.	max.	unit
Rated input voltage	Io nom	100		240	VAC
Input current	Vi: 115/230 VAC, Io nom		335/210		mA
Rated input current	Vi: 90 VAC, Io nom			500	mA
Line frequency	Vi: nom, Io nom	47		63	Hz
Inrush current	Vi: 115/230 VAC, Io nom			10/18	A
Power dissipation	Vi: 230 VAC, Io nom 24V model		4.45		W
Leakage current	Input - Output			0.25	mA
	Input - FG			3.5	mA

OUTPUT SPECIFICATION					
Characteristics	Condition	min.	typ.	max.	unit
Output voltage accuracy (Adjusted before shipment)	Vi: nom, Io max	0		+1	%
Rated continuous loading	Vi nom, 24V model	0.75 A @ 24Vdc / 0.6 A @ 28.8 Vdc			

CONTROL AND PROTECTION					
Characteristics	Condition	min.	typ.	max.	unit
Rated over load protection	Vi nom (see typ current limited curve)	110		140	%

MECHANISM & PIN CONFIGURATION

Sizes mm (inches)



CONSTRUCTION

Easy snap-on mounting onto the DIN-Rail (TS35/7.5 or TS35/15), unit sits safely and firmly on the rail.

INSTALLATION

Ventilation / Cooling
Normal convection
All sides 25mm free space
For cooling recommended
Connector size range
Spring terminal:
AWG24-14 (0.2~2mm²) flexible / solid cable,
10 m/m stripping at cable end recommends
Use copper conductors only, 60 / 75°C

GENERAL TOLERANCE	
0.00[0.00] - 30.00[1.18]	±0.30[0.01]
30.00[1.18] - 120.00[4.72]	±0.50[0.02]

PSU6R SERIES



The PSU 6R is the ideal choice for your control supply needs for the DFE (above 97A) Soft Starters. It is a compact 24VDC power supply that is DIN Rail mounted which cuts down on cabinet space and minimises installation time.

One PSU 6R controls one DFE (above 97A) Soft Starters.

MODEL

Model No.	Input Voltage	Output Wattage	Output Voltage	Output Current	EEF. (min)	EEF. (typ.)
DRA60-24A	85~264 VAC	60 WATTS	+ 24 VDC	2500 mA	86%	89%

SPECIFICATIONS

All Specifications Typical At Nominal Line, Full Load, 25 C Unless Otherwise Noticed

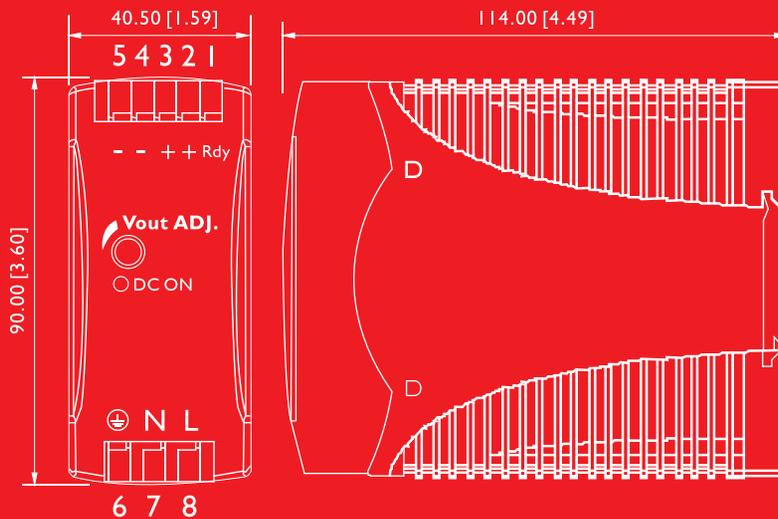
INPUT SPECIFICATION					
Characteristics	Condition	min.	typ.	max.	unit
Rated input voltage	Io nom	100		240	VAC
Input current	Vi: 115/230 VAC, Io nom		1060/590		mA
Rated input current	Vi: 85 VAC, Io nom			1500	mA
Line frequency	Vi: nom, Io nom	47		63	Hz
Inrush current	Vi: 115/230 VAC, Io nom			20/40	A
Power dissipation	Vi: 230 VAC, Io nom 24V model		8.8		W
Leakage current	Input - Output			0.25	mA
	Input - FG			3.5	mA

OUTPUT SPECIFICATION					
Characteristics	Condition	min.	typ.	max.	unit
Output voltage accuracy (Adjusted before shipment)	Vi: nom, Io max	0		+1	%
Rated continuous loading	Vi nom, 24V model	2.5 A @ 24Vdc / 2.1 A @ 28 Vdc			

CONTROL AND PROTECTION					
Characteristics	Condition	min.	typ.	max.	unit
Rated over load protection	Vi nom (see typ current limited curve)	110		150	%

MECHANISM & PIN CONFIGURATION

Sizes mm (inches)



CONSTRUCTION

Easy snap-on mounting onto the DIN-Rail (TS35/7.5 or TS35/15), unit sits safely and firmly on the rail.

INSTALLATION

Ventilation / Cooling
Normal convection
All sides 25mm free space
For cooling recommended
Connector size range
Spring terminal:
AWG24-14 (0.2~2mm²) flexible / solid cable,
10 m/m stripping at cable end recommends
Use copper conductors only, 60 / 75°C

GENERAL TOLERANCE

0.00[0.00] - 30.00[1.18]	±0.30[0.01]
30.00[1.18] - 120.00[4.72]	±0.50[0.02]

For more information on how the PSU 5 & 6 from Fairford Electronics can reduce your running costs and lower maintenance bills contact your local distributor.

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