

DynaFlex DC Power Interface Unit

The DC PIU is the power interface unit for the DynaFlex M16 subrack. It supplies two DC battery feeds to the subrack within the voltage range of -20 to -72 volts. It also provides dry contact summary alarm outputs and LED indications.

The DC PIU provides a number of key features when plugged into the DynaFlex subrack:

- Dual DC power feed inputs (A and B)
- ORing function for battery feeds
- Reverse battery polarity protection
- Over current protection
- Transient voltage protection
- Power supply "ON" LED indication
- Power feed status LED indication
- Summary rack alarm LEDs
- Rack alarm dry contact outputs

The DC PIU is designed specifically for the Dynaflex subracks. It is installed into slot 16 of the DynaFlex subrack, but can also be plugged into slot 15 when a redundant power supply is required.

Power is supplied to the DC PIU using 4 way, 5.0mm terminal connectors. Two separate battery inputs (A and B) are supported. Each connected to the DC PIU using a separate terminal connector.

The DynaFlex subrack summary alarms are provided by 3 dry contact outputs. They are provided through a front panel 6-way 3.5mm terminal connector.



Technical Specifications

Order Code P61005.01 DC-PIU	Dual DC Power Interface Unit	Power Power Supply Power Consumption Rated Power	-20 to -72 VDC 2W (Max.) 150W (Max.)
Mechanical Height-Depth-Width DB4X	233 x 160 x 45mm		
Alarm Reporting Front panel Alarm LEDs Front Panel Power LED Front Panel Power Feed Status LEDs	Major (red) - A alarm Minor (yellow) - B alarm Power Available (green) to indicate input power to PIU LED ON (green) indicates power is present on referenced feed	Environmental Operating Temperature Relative Humidity	-20 °C to +65 °C 5-90% (Non-condensing)
Alarm Contacts	3 x Relay outputs with current carrying capacity of 1A @ 24V	Standards	EN55022 Class A Emissions EN60950 Safety EN55024 Immunity EN50082-2 Generic Immunity IEC 61850-3 Immunity ETS 300 019 -1-1 Operational ETS 300 019 -1-2 Storage ETS 300 019 -1-3 Transport A-tick / C-tick CE Mark

Head Office

9 Business Park Drive
 Notting Hill, Victoria 3168
 Australia
 Tel: +61 3 95400330
 Fax: +61 3 99236545

www.avaratechnologies.com

Regional Distributor

