

DynaFlex AC Power Interface Unit

The AC PIU is the power interface unit for connecting the DynaFlex M16 subrack to a mains voltage source. This unit generates all the required voltages necessary for the correct operation of the DynaFlex node.

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

- Wide mains input range from 90VAC to 260VAC
- Over current protection
- Transient voltage protection
- Power supply "ON" LED indication
- Summary rack alarm LEDs
- Rack alarm dry contact outputs

The AC PIU is plugged into slot 16 of the DynaFlex subrack, but can also be plugged into slot 15 when a redundant power supply is required.

The AC PIU can only be plugged into DynaFlex subracks. It must not be used with any other subrack.

Power is connected to the AC PIU using a standard IEC power cable.

The unit is switched on by plugging in the mains cord.

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



Technical Specifications

Order Code P61006.01 AC-PIU	AC Power Interface Unit	Power Power Supply Power Consumption Rated Power	90VAC to 260VAC 2W (Max.) 150W (Max.)
Mechanical Height-Depth-Width	233 x 160 x 30 mm		
Alarm Reporting Front panel Alarm LEDs Front Panel Power LED	Major (red) - A alarm Minor (yellow) - B alarm Power Available (green) to indicate input power to PIU	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


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