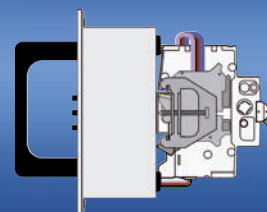


## 回馈式电子负载用AIU模块

## AIU module for recovering electronic DC loads



- 可改装，安装简易
- 3U模块适合装入19"机柜或机架内
- 可配也可不配接触器
- 符合VDE AR 4105德国标准
- 同时也符合CEI 0-21意大利标准
- 多语言用户界面（德语，英语，意大利语）

## 概要

按照欧洲标准或对于本土供电公司的规定，若运行能量回馈式设备时，如：太阳能电池板，有回馈功能的电子负载，要求安装一自动隔离器（AIU，前称：ENS）。

**EA-ENS2**是**ELR 9000**与**ELR 5000**系列能量回馈式电子负载的一个可选配件。

此类设备的安装通常只在隔离操作下运行电子负载时才需求，因为此时返回的电量比消耗的要多。**ENS2**会监控电量返回时交流电网电压、频率与相位角度的变化，如果监测到的参数不符，它会自动将回馈式设备与电网断开。

如果接上同等能量消耗设备进行正常操作，即：消耗的能量等同于或大于回馈能量，则可省略此隔离设备。

自动隔离设备一般都会检测三相电的所有相位。

## 各款型号

本产品有两个型号。**EA-ENS2 10.5 kW** 给一台功率在**10.5 kW**以下的电子负载用，比如来自**ELR 9000**的型号，或者返回电流在**16 A**以下的产品。另外一款则适合两台或两台以上**ELR**系列并联操作。与**ENS2**模块连接所需的接触片不随货提供，因为它需定制以符合特定条件，并由当地电工安装。

- Retrofittable, simple installation
- 3U module for installation in 19" cabinets or racks
- With or without included contactors
- According to german standard VDE AR 4105
- Also according to italian standard CEI 0-21
- Multi-language user interface (GER, ENG, ITA)

## General

According to european standards or provisions of local electricity supply companies it can be necessary to install an automatic Insulation unit (AIU, former name: ENS) when operating energy recovery devices, such as solar panels or electronic loads with feedback.

The **EA-ENS2** is an optional accessory for the electronic loads of series **EA-ELR 9000** and **EA-ELR 5000**.

Installing such a device is usually required only when running the electronic load in so-called isolated operation, where the recovered energy is higher than that consumed. The ENS2 supervises the energy recovery regarding AC grid voltage, frequency and phase angle and automatically cuts the back-feeding device from the grid, in case the supervised parameters are not met.

For normal operation with a balanced energy consumption, i.e. consumed energy is equal or bigger than the recovered energy, such an AIU can be omitted.

The automatic Insulation unit always supervises all three phases of a three-phase supply.

## Variants

There are two models available. Model **EA-ENS2 10.5 kW** is intended for the use with one electronic load device of up to 10.5 kW power, for example from series **EA-ELR 9000**, or up to 16 A recovered current. The other model is for any other situation where two or more ELR units are operating in parallel. The required contactors, which have to be used in connection with the AIU module, are not included in the version **EA-ENS2** and are usually specified to meet the given situation and installed by an electrician on location.

技术参数	Technical Data	EA-ENS2	EA-ENS2 10.5 kW
交流：电网电压	AC: Grid voltage	230 V AC (L-N) / 400 V AC (L-L)	230 V AC (L-N) / 400 V AC (L-L)
交流：电网频率	AC: Grid frequency	50 Hz	50 Hz
交流：电网相位	AC: Phases	3	3
标准	Standards	VDE AR 4105, CEI 0-21	VDE AR 4105, CEI 0-21
是否装接触器？	Contactors installed?	-	2 (16 A)
尺寸（宽x高）	Dimensions (WxH)	19" x 3 HE/3U	19" x 3 HE/3U
安装深度	Installation depth	127 mm	127 mm
重量	Weight	2.3 kg	2.7 kg
订购编号	Ordering number	33200499	33200498

