

## XX13S & XX21S – AC/DC MAINS POWER ADAPTOR

Low leakage, low noise, power adaptor.



US13S adaptor shown  
(EU, UK, AU, pin styles available)

**XX13S**, with a **1.3mm x 3.5mm** barrel connector for use with

- CWT Ultra-mini
- CWTUM-S
- CWTUM-F & CWTUM-HF
- CWTMini50HF
- CWTHF & CWTLF
- CMC

**XX21S**, with a **2.1mm x 5.5mm** barrel connector for use with

- CWT (original)
- LFR

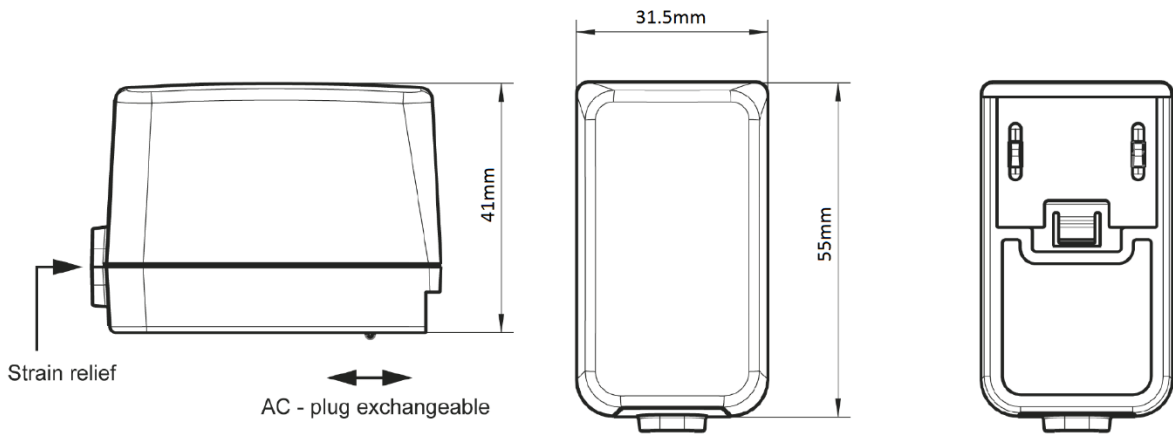
### Key Mechanical & Electrical Characteristics

- Nominal input voltage: 100-240V<sub>AC</sub> ± 10%
- Nominal input frequency: 50-60Hz
- Nominal input current: 0.16-0.08A<sub>RMS</sub> @ max load
- Stand-by power consumption: ≤ 0.1W @ 230 V<sub>AC</sub>
- Efficiency Standard: DoE Level VI
- Nominal output voltage: 12 V<sub>DC</sub> ± 5%
- Nominal output current (I<sub>out</sub>): 600mA
- Average Efficiency: ≥ 80.0%
- Safety-standard: Complies with EN60950-1, UL60950-1
- EMC standard: Complies with EN 60601-1-2:2015
- PSE Approval? Yes
- Protection class: II
- Separation (prim-sec): Galvanic by transformer
- Leakage current: I<sub>leak</sub> ≤ 10μA (according to EN60950-1)
- High-voltage test: ≥ 3kV<sub>AC</sub>
- Ambient temperature range: 0°C to +45°C

This product also complies with EN55022 Conducted Emissions Testing when used in conjunction with PEM's Rogowski current transducers.

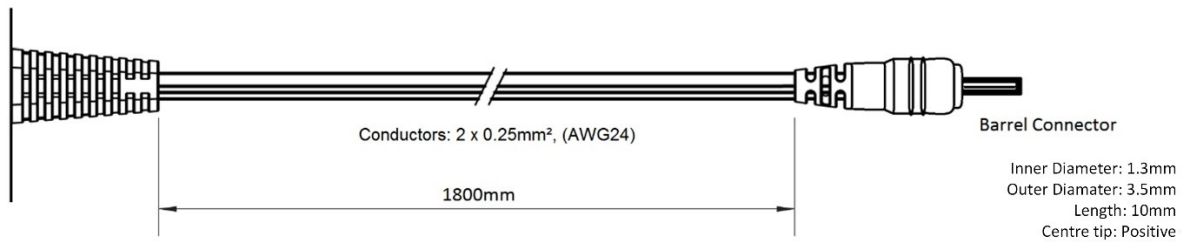
With the enclosed description, this adaptor fulfils the requirements of Low Voltage Directive 2014/35/EU, the regulations of EMC Directive 2014/30/EU and the eco design Directive 2009/125/EC. Hereby, this product is manufactured RoHS compliant and fulfils Directive 2011/65/EU.

**Dimensions**

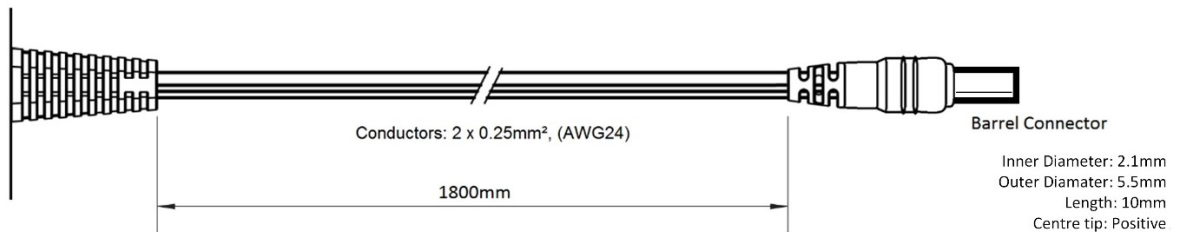


**Adaptor body**

Material: PC / ABS V0 125°C, (UL Listed: E143128)

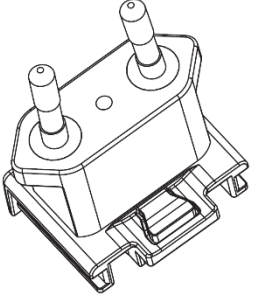


**Lead and plug – XX13S version**

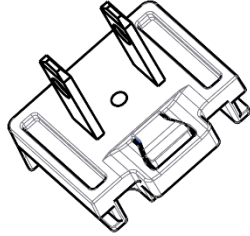


**Lead and plug – XX21S version**

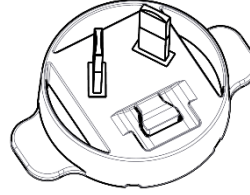
**Part codes**



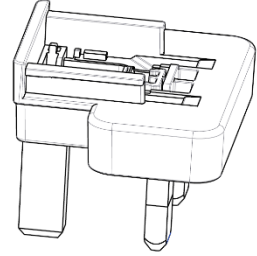
**EU13S**  
**EU21S**  
Euro Pin-Out



**US13S**  
**US21S**  
US Pin-Out



**AU13S**  
**AU21S**  
Australian Pin-Out



**UK13S**  
**UK21S**  
UK Pin-Out