

MK USB Charging Module

Terminal Capacity

Fig 1 - K5837WHI USB Charging module - rear view with 2x 4mm² cables



Fig 2 - K5837WHI USB Charging module - top view with 2x 4mm² cables



• Performance

- Twin USB Outlets
- Compatible with USB 2.0 and USB 3.0 (power pin) standard A plugs
- Output current can be delivered to either outlet or shared between the two, (under the control of the connected devices)
- Independent Shutters
- Zero Standby (mains supply only connected when either shutter is opened to insert a plug)
- Large Terminal capacity (3 x 2.5mm²) – suitable for direct wiring to ring main
- 2A output – capable of charging tablets at maximum rate
- Overload and Short Circuit protected output.
- SELV safety isolation between input and output
- Compatible with all MK range Euro mounting frames

• Electrical Specification...

- Mains Input Supply.....

- Voltage: 220 - 240V (range: 180 – 275V)
- Frequency: 50 - 60Hz (range 47 – 63Hz)
- Standby Power: 0W The mains supply is only connected when either shutter is opened to insert a USB lead

- Output.....

- Voltage: 5V +/-5%
- Voltage Ripple: <50mV pk-pk
- Current: 2A
- Output current can be provided to either USB or shared between the two outlets dependant upon connected devices and their charge state.
- Short Circuit and Overload protected
- SELV safety isolation between mains and USB output connections

• Installation...

- Suitable for fixed installation in dry interior locations only
- Requires 35mm deep wall box, (47mm when used with thin plate product ranges such as Edge, Aspect etc)
- Large terminal capacity suitable for direct connection to ring main
Terminals will accept: 3 x 1.5mm², 3 x 2.5mm² or 2 x 4mm² cables
- Product has L & N connections only.
- Earth connection must be provided separate to the product, (e.g. at a terminal block or at the wall box).
- No need to remove product from circuit for Insulation Resistance Testing.

Internal single pole isolation switch (providing 1.5kV rated isolation) means electronics is disconnected from circuit as long as both shutters are closed.

Product will with stand 500V test for short periods is shutters opened.