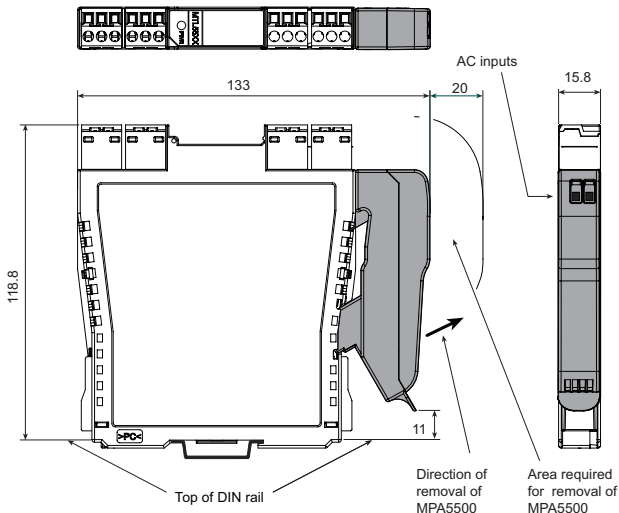# MPA5500
A.C. POWER ADAPTOR

The MPA5500 enables any MTL5500 module that is normally powered from a nominal 24V DC supply (i.e. those that are not loop-powered) to be powered from a high-voltage AC supply.

It plugs into the power socket (terminals 13 and 14) of an MTL5500 module and clips securely onto the module housing. The 25V DC power output from the adaptor is sufficient to supply a single module and can be connected to any normal AC power source.

SPECIFICATION

Input voltage
85 – 265V AC, (45–65Hz)
Efficiency
71% typ. at 230V AC
Power dissipation
1.2W typ at 230V AC.
Input terminals
Cage-clamp terminals accommodating conductors up to 1.5mm^2 stranded or 16AWG single-core
Input protection
internal fuse, not user serviceable
Output voltage
25Vdc ± 10%
Output current
120mA at 25V
Ambient temperature
Operating: –20 to +60°C
Storage: –40 to +80°C
Mounting
Plugs into and clips onto MTL5500 range I/O module
It is not for use with any equipment other than MTL5500.
Humidity
5 to 95% relative humidity
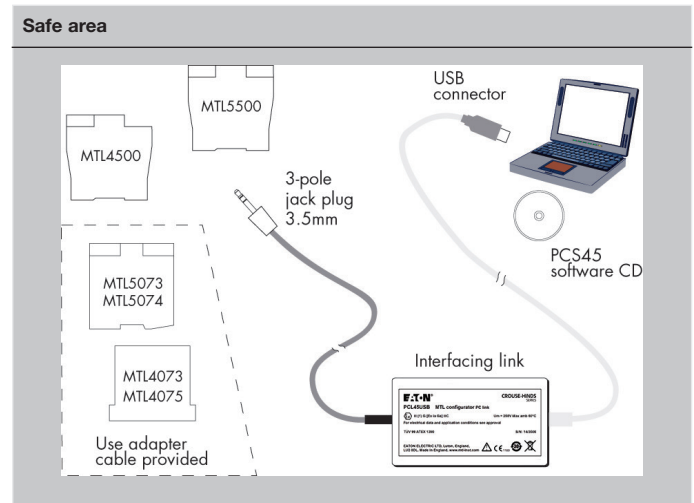**Mechanical**
Ingress Protection: IP20
Material: polycarbonate
Weight: 28g approx.
Standards compliance
EN 61326, EN 61010

PCS45/PCL45USB
CONFIGURATOR
FOR MTL CONVERTERS

The PCS45/PCL45USB configurator allows MTL converters to be configured from a standard PC running a Microsoft® Windows® operating system. It comprises PC software, provided on a CD (PCS45), and an ATEX certified interfacing link (PCL45USB). Converters can be configured from the safe area, while on-line, and configurations can be saved to disk and printed out when required. It is suitable for use with MTL4000, MTL4500, MTL5000 and MTL5500 range of products.

SPECIFICATION

PCL45USB hardware
Location
Safe area
Connections
PC side: USB B(F) socket
Converter side: cable with 3.5mm jackplug, 3-pole for MTL4500 and MTL5500 range of converters. An adapter cable is provided for other earlier MTL converters.
Cable lengths
Converter side (fitted): 1.5m
USB cable A(M) to B(M) (supplied): 2m
Ambient temperature limits
–10°C to +60°C operating
–20°C to +70°C storage
Humidity
5 to 95% relative humidity (non-condensing)
Weight
200g
PCS45 Configuration software
Compatible with Windows XP, Win7, Win8.
Consult MTL for operation with any other operating system.
Software medium
PCS45 supplied on CD
Updates are available at www.mtl-inst.com
Recommended minimum PC configuration
Microsoft Windows XP, Win7, Win8
20MB of available hard disc space
CD ROM drive
Available USB port
Printer (local or network)