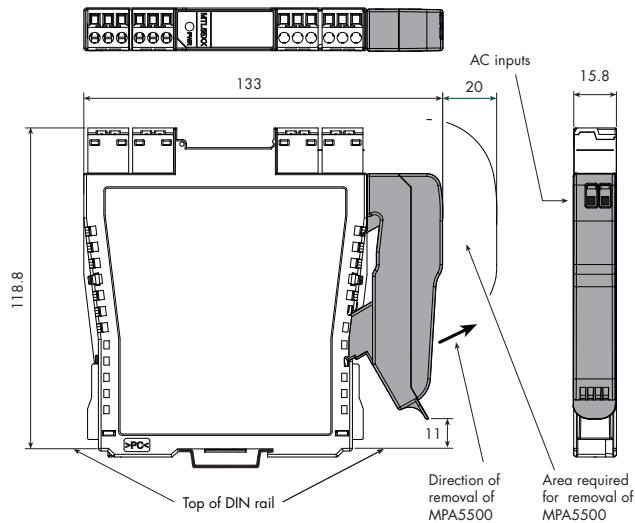


# MPA5500 A.C. POWER ADAPTOR

The MPA5500 enables any MTL5500 Series 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<sup>2</sup> stranded or 16AWG single-core

### Input protection

internal fuse, not user serviceable

### Output voltage

25Vdc  $\pm$  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 Series 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

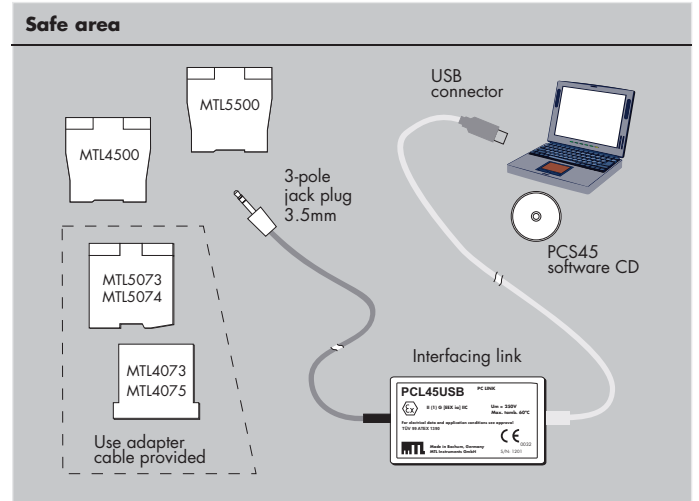
Weight: 28g approx.

### 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 series 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 series 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 2000 or Windows XP.

Consult MTL for operation with any other operating system, e.g. Windows Vista™.

#### Software medium

PCS45 supplied on CD

Updates are available at [www.mtl-inst.com](http://www.mtl-inst.com)

### Recommended minimum PC configuration

Microsoft Windows 2000 or Windows XP

20MB of available hard disc space

CD ROM drive

Available USB port

Printer (local or network)

*The given data is only intended as a product description and should not be regarded as a legal warranty of properties or guarantee. In the interest of further technical developments, we reserve the right to make design changes.*



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