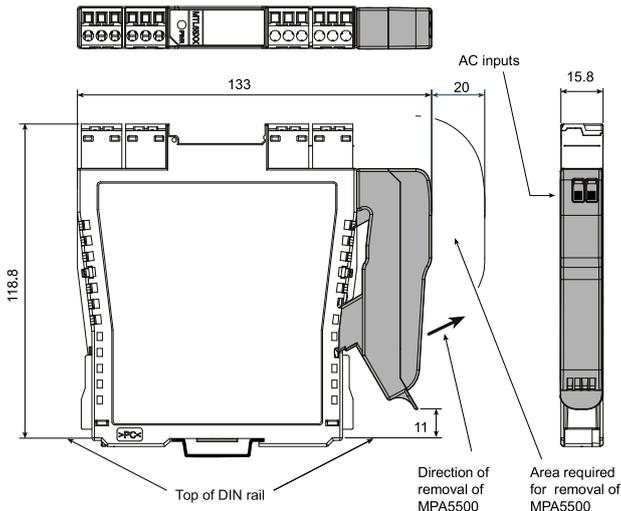


## MPA500 A.C. POWER ADAPTOR

The MPA500 enables any MTL500 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 MTL500 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 ± 10%

#### Output current

120mA at 25V

#### Ambient temperature

Operating: –20 to +60°C

Storage: –40 to +80°C

#### Mounting

Plugs into and clips onto MTL500 range I/O module  
It is not for use with any equipment other than MTL500.

#### Humidity

5 to 95% relative humidity

#### Mechanical

Ingress Protection: IP20  
Material: polycarbonate  
Weight: 28g approx.

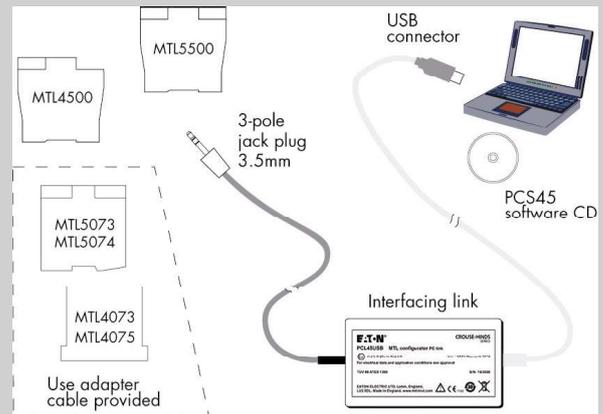
#### Standards compliance

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.

### Safe area



### 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

Updates are available at [www.eaton.com](http://www.eaton.com)

#### Recommended minimum PC configuration

Microsoft Windows XP, Win7, Win8

20MB of available hard disc space

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.



Powering Business Worldwide

#### Eaton Electric Limited,

Great Marlings, Butterfield, Luton  
Beds, LU2 8DL, UK.  
Tel: + 44 (0)1582 723633 Fax: + 44 (0)1582 422283  
E-mail: [mtlenquiry@eaton.com](mailto:mtlenquiry@eaton.com)  
[www.eaton.com](http://www.eaton.com)

© 2024 Eaton  
All Rights Reserved  
Publication No.  
EPS45/5500 Rev6 230524

#### EUROPE (EMEA):

+44 (0)1582 723633 [mtlenquiry@eaton.com](mailto:mtlenquiry@eaton.com)

#### THE AMERICAS:

+1 800 835 7075 [mtl-us-info@eaton.com](mailto:mtl-us-info@eaton.com)

#### ASIA-PACIFIC:

+65 6 645 9888 [sales.mtling@eaton.com](mailto:sales.mtling@eaton.com)