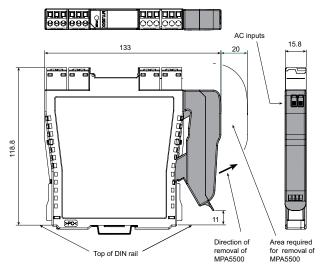# MPA5500
A.C. POWER ADAPTOR

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.

133   20   15.8   118.8   AC inputs   11

Top of DIN rail   Direction of removal of MPA5500   Area required for removal of MPA5500

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 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
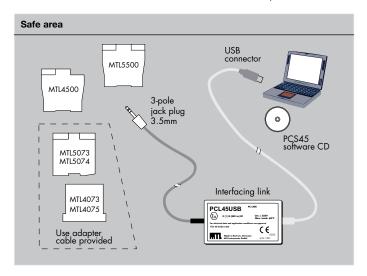Material: polycarbonate
Weight: 28g approx.

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.

Safe area

MTL5500   USB connector   MTL4500   3-pole jack plug 3.5mm   PCS45 software CD   MTL5073 MTL5074   MTL4073 MTL4075   Use adapter cable provided   Interfacing link   PCL45USB

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, Windows XP or Windows 7
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

Recommended minimum PC configuration
Microsoft Windows 2000, Windows XP or Windows 7
20MB of available hard disc space
CD ROM drive
Available USB port
Printer (local or network)