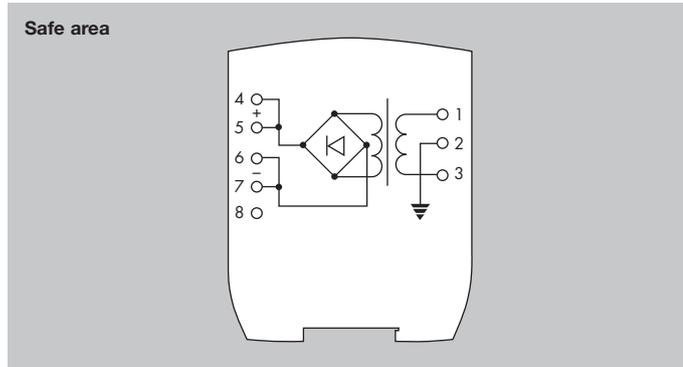


## MTL5991 24V DC POWER SUPPLY

A DIN-rail mounted unit for locations where a dc supply is not readily available. The wide input power supply range makes this unit universally applicable and the 24V dc, 2A output will drive a useful number of MTL5000 and MTL5500 series modules.



### SPECIFICATION

#### Power supply

85 to 264V ac 47 to 63Hz

#### Power dissipation within unit

7.2W @ 2A

#### Mounting

35mm DIN (top hat) rail

#### Output voltage

24V dc nom (23.64 min/24.36 max)

#### Output current

2A maximum (1.7A with <105V ac input)

#### LED indicators

Green: Power indication

#### Weight

310g

#### Ambient temperature

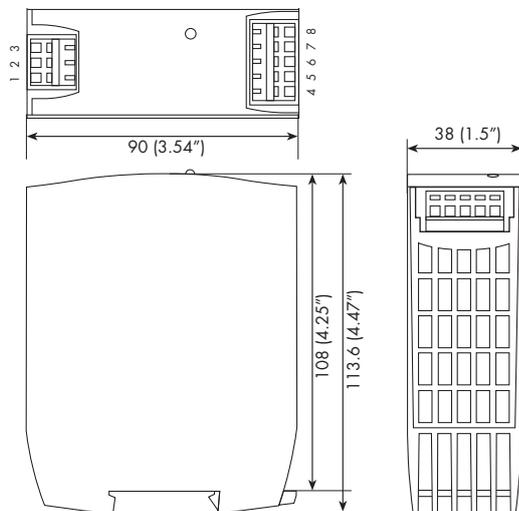
Operating temperature -10°C to +50°C

Storage temperature -40°C to +85°C

#### Terminals

Cage clamp type accommodating conductors up to 2.5mm<sup>2</sup>, stranded or single-core

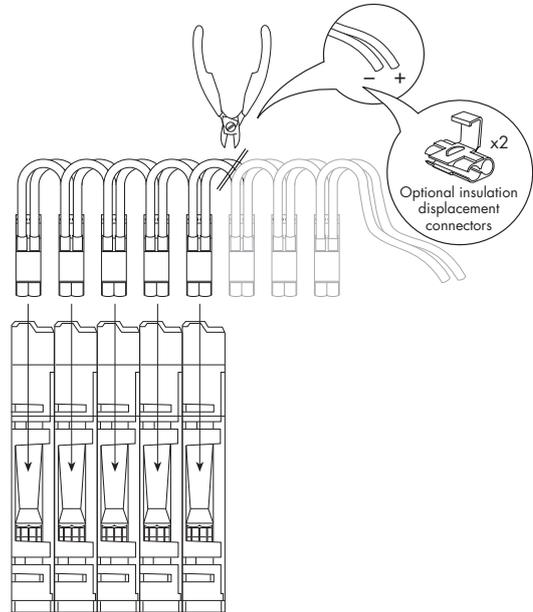
Note: Segregation between hazardous and safe area wiring must be maintained.



## MTL5500 SERIES POWERBUS KITS

PB - 8T,16T,24T,32T

A quick and easy way to distribute DC power to MTL5500 Series modules. Each powerbus kit includes 4 single ferrules, 4 twin ferrules and 2 insulation displacement connectors (Scotchlok).



### SPECIFICATION

#### Available in 4 different lengths:

PB - 8T	= 8 connectors and loops
PB - 16T	= 16 connectors and loops
PB - 24T	= 24 connectors and loops
PB - 32T	= 32 connectors and loops

#### Insulation material :

PVC

#### Conductor :

24 strands of 0.2mm dia (0.75mm<sup>2</sup>) standard copper

#### Insulation thickness :

0.5 to 0.8 mm

#### Current rating :

12A max

#### Operating temperature range :

- 20°C to +60°C

#### Max voltage drop on 32 modules drawing 130mA max :

0.5V

### CHOOSING A POWERBUS KIT

Choose a powerbus where the number of power plugs is greater than or equal to the number of isolators to be powered and if necessary cut the powerbus to the required number of terminations.

Note: To reduce the risk of excessive voltage drop or overcurrent do not connect powerbuses in series.

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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