

## MAXIMUM CABLE PARAMETERS

Model	BASEEFA (CENELEC)					FM			
	Group	$\mu\text{F}$	mH	Or	$\mu\text{H}/\Omega$	Group	$\mu\text{F}$	mH	
MTL2210B	IIC	13 (0.9*)	69		600	A & B	7	47	
	IIB	39 (2.7*)	207		1800	C	21	190	
MTL2211	IIA	104 (7.2*)	552		4800	D	56	370	
	IIC	13 (0.9*)	69		600	A & B	5.5	75	
	IIB	39 (2.7*)	207		1800	C	16.5	270	
MTL2213	IIA	104 (7.2*)	552		4800	D	44	600	
	IIC	2.4 (0.44*)	165		825	A & B	3	165	
	IIB	7.2 (1.32*)	495		2475	C	9	495	
MTL2215	IIA	19.2 (3.52*)	1320		6600	D	24	1320	
	Maximum cable parameters defined by the associated circuit								
	Terminals 4 or 5 to 6 or 7								
MTL2442B	IIC	0.13	4.2		55	A & B	0.13	4.2	
	IIB	0.39	12.6		165	C	0.39	12.6	
	IIA	1.04	33.6		440	D	1.94	33.6	
MTL2441B	Terminals 3 or 4 to 5					Terminals 3 or 4 to 5			
	IIC	0.13	4.2		55	A & B	0.17	5.1	
	IIB	0.39	12.6		165	C	0.52	20.2	
	IIA	1.04	33.6		440	D	1.39	40.4	

\* Value when unit connected to MTL2220

## COMMON SPECIFICATION

### Location of unit

Safe area

### Isolation

250V ac between input, output and power supply terminals  
Tested at 1500V rms minimum between safe and hazardous-area terminals

### Power supply

Each model\* is available in three versions:  
240V ac nominal, 180–260V, 48–65Hz  
120V ac nominal, 90–130V, 48–65Hz  
24V dc nominal, 20–32.5V (including transients and ripple)  
\*(except the MTL2441B/2442B which are available only for ac supplies)

### Replaceable fuse (24V dc units only)

160mA, 5 x 20mm glass, DIN 41571 sheet 2

### Maximum safe-area voltage (Um)

250V rms or dc, nominal (absolute maximum in USA)

### Humidity

5–95% RH

### Terminals

For conductors up to 4mm<sup>2</sup> (12AWG)

### Mounting

On 35mm rail to EN 50 022, BS 5584 and DIN 46277, or on a flat surface using an SMC2 surface mounting clip

### Tagging

Two 18-digit rows of Klippon BSG ½ marking tags

### Weight

500g approximately

## CONDITIONS of USE

Conditions governing the use of MTL2000 range of interface units are given in the relevant certificates and schedules, copies of which are available on request.

### TO ORDER, specify:

#### 1) Model number, eg:

MTL2210B 1-channel switch-operated relay

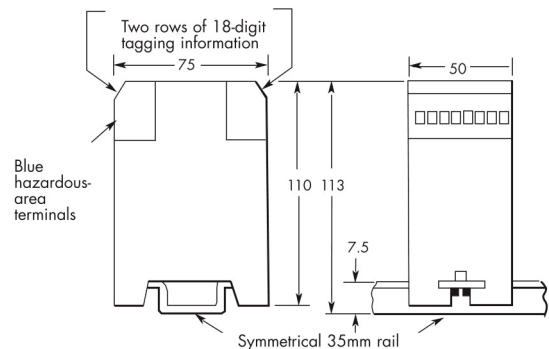
#### 2) Power supply version, ie:

240V ac, 120V ac, 24V dc (except the MTL2441B/2442B which are available only for ac supplies)

#### 3) Literature

AN9008 A user's guide to MTL3000 and 2000 range of interface units

## DIMENSIONS (mm) and MOUNTING DETAILS



## ENCLOSURES and ACCESSORIES

A range of enclosures is available which provides IP65 protection for up to 2, 4, 8, or 18 units. Alternatively, units can be installed in users' own racks or panels with MTL700 range of accessories which also provide full tagging and cable screen earthing facilities.

**APPROVALS** - for the latest certification information visit [www.mtl-inst.com/certs\\_1.nsf](http://www.mtl-inst.com/certs_1.nsf)



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