MTL800 RANGE
COMMON SPECIFICATION

Humidity
5–95% RH (without condensation)

EMC compliance
EN 50081-2/EN 50082-2, generic emission/immunity standards. These refer to appropriate IEC/CISPR standards.

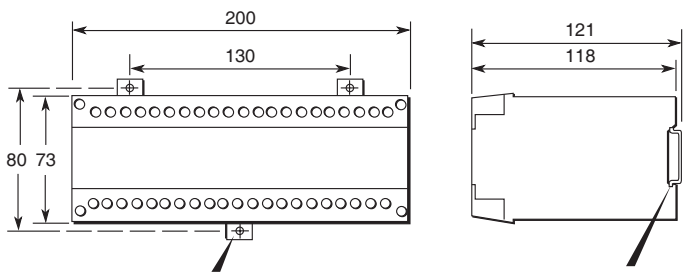
Terminals
Detachable, each accommodates two 2.5mm2 conductors

Casings
Moulded polycarbonate

CONDITIONS OF USE

The conditions governing the use of MTL800 range of multiplexers are given in the relevant certificates and schedules, copies of which are available from Eaton's MTL product line.

DIMENSIONS (mm)



Surface-mounting clip x 3 (in extended position)

Top-hat rail

MTL800 RANGE
SYSTEM SPECIFICATION

Maximum loop impedance (each data highway)
50Ω when using MTL3052 interface (terminals 7 & 8)
130Ω when using MTL3052 interface (terminals 5 & 6)
300Ω for non-IS applications

Transmission distance (transmitter to receiver)
0.5km typically (IS applications)
1.5km typically (non-IS applications)
For many applications it is possible to use longer distances up to 3km, for details consult Eaton's MTL product line

Intrinsically safe interface (IS applications)
1 MTL3052 isolating interface unit for each data highway

Earth fault protection (optional)
An optional MTL4220 earth leakage detector will detect line-to-earth faults on either line of either highway.

Data highway monitoring
Highway 1 LED, green (located on receiver)
ON when highway 1 connected and operating
Highway 2 LED, green (located on receiver)
ON when highway 2 connected and operating
Highway 1 & 2 status
Serial output receivers: condition of highway(s) transmitted in unit status word to process controller

System failure monitoring
System failure LED, red (located on receiver)
ON when both highways disconnected or faulty or when there is an internal receiver fault
System failure signal
Serial output receivers: derived from status word

Power supply failure
All relays and LEDs de-energise

APPROVALS

Country	Canada	Czech	Russia	UK	USA
MTL831B					
(Authority)	**(CSA)**	**(FTZU)**	**(GosGor TechNadzor)**	**(BASEEFA)**	**(FM)**
Standard	C22.2 No.157	CSN EN 50014 CSN EN 50020	–	EN 50014 EN 50020 EN 50284	3610 Entity
Approved for	Class 1, Div 1, Gps A-D	Ex ia IIC T4	EEx ia IIC T4	EEx ia IIC T4	Class 1, Div 1, Gps A-D
Certificate/ File No.	1192829	FTZU98Ex0025	PPC00-25146	03ATEX0006X	J.I.5B0A8.AX-1
MTL3052					
(Authority)	**(CSA)**	**(FTZU)**	**(GosGor TechNadzor)**	**(BASEEFA)**	**(FM)**
Standard	C22.2 No.157	CSN E33 0380	–	EN 50014 EN 50020	3610 Entity
Approved for	Class 1, II, III Div 1, Gps A-G	[Ex ia IIC]	[Ex ia] IIC T4	[EEx ia] IIC	Class 1, II, III Div 1, Gps A-G
Certificate/ File No.	LR36637-42	J02043	PPC00-25146	03ATEX0034	J.I.0Q4A0.AX

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
www.mtl-inst.com

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EUROPE (EMEA):
+44 (0)1582 723633 mtlenquiry@eaton.com
THE AMERICAS:
+1 800 835 7075 mtl-us-info@eaton.com
ASIA-PACIFIC:
+65 6 645 9888 sales.mtlsing@eaton.com