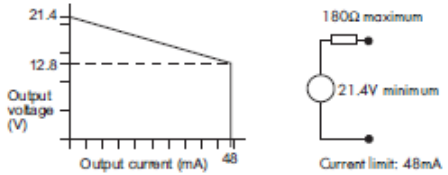
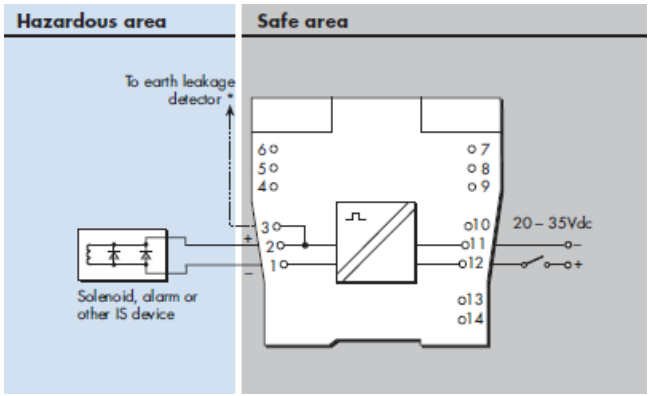
SPECIFICATION

Number of channels
One
Location of load
Zone 0, IIC, T4—6 hazardous area if suitably certified
Div. 1, Group A hazardous location
Minimum output voltage **Equivalent output circuit**

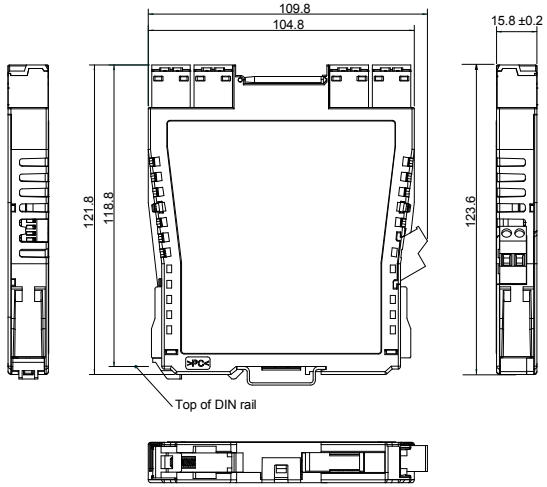


Input voltage
20 to 35V dc
Hazardous-area output
Minimum output voltage: 12.8V at 48mA
Maximum output voltage: 24V from 180Ω
Current limit: 48mA
Output ripple
< 0.5% of maximum output, peak to peak
Response time
Output within 10% of final value within 100ms

Wiring



*Signal plug HAZ1-3 is required for access to this function
LED indicator
Yellow: output status, on when output active
Maximum current consumption
90mA at 24V
Power dissipation within unit
1.4W at 24V
Safety description
V_o=25V I_o=147mA P_o=0.92W U_m = 253V rms or dc
SIL capable
These models have been assessed for use in IEC



Isolation
250V rms, tested at 1500V rms minimum, between safe- and hazardous-area terminals.
50V between safe-area circuits and power supply
Supply voltage
20 – 35V dc
Location of units
Safe area
Terminals
Accepts conductors of up to 2.5mm2 stranded or single-core
Mounting
T-section 35mm DIN rail (7.5 or 15mm) to EN 50022
Ambient temperature limits
-20 to +60° C (-6 to +140° F) operating
-40 to +80° C (-40 to +176° F) storage
Humidity
5 to 95% relative humidity
Weight
Approximate (except where indicated)
MTL5500 150g

Connectors
Each unit is supplied with signal connectors, as applicable.
When using crimp ferrules for the hazardous or non-hazardous (safe) signal connectors the metal tube length should be 12mm and the wire trim length 14mm.

REV.	PROJECT NAME:	Cooper Industries Japan K.K.	Model name	MTL5521		
REV.	USER NAME :	TEL: +81-(0)3-5420-1281 FAX: +81-(0)3-5420-2405	SIZE	FSCM NO	Drawing No.	rev
REV.	JOB NAME:	DATE: 2011/May/25			SS-MTL5521	-
	Ref no.:	CHKD T.IWANE	DRAWN K.KUSAKABE	SCALE N/A	SHEET 1 / 1	