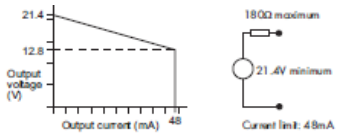
SPECIFICATION

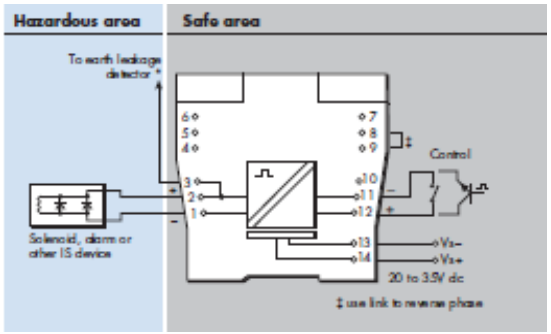
Number of channels
One
Location of load
Zone 0, IIC, T4–6 hazardous area if suitably certified
Div.1, Group A, hazardous location
Minimum output voltage Equivalent output circuit

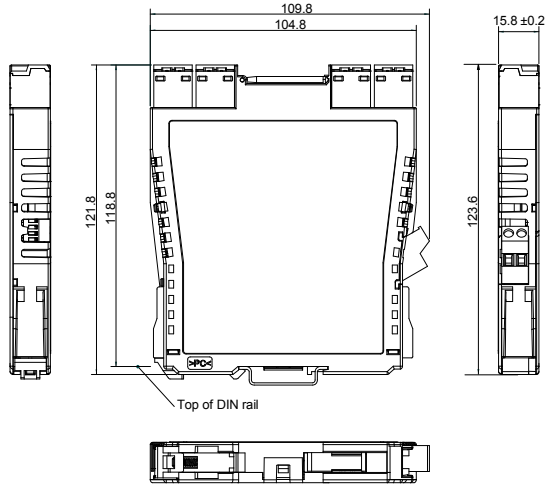


Hazardous–area output
Minimum output voltage: 12.8V at 48mA
Maximum output voltage: 24V from 180Ω
Current limit: 48mA
Output ripple
< 0.5% of maximum output, peak–to–peak
Control input
Suitable for switch contacts, an open collector transistor or logic drive
0 = input switch closed, transistor on or <1.4V applied
1 = input switch open, transistor off or >4.5V applied

*Signal plug HAZ1–3 is required for access to this function
LED indicators
Green: power indication
Yellow: output status, on when output active
Maximum current consumption
100mA at 24V dc
Power dissipation within unit
1.3W with typical solenoid valve, output on
1.9W worst case
Safety description
V_o=25V I_o=147mA P_o=919mW U_m = 253V rms or dc

Wiring





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	MTL5524		
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/Jun/7				SS–MTL5524	–
	Ref no.:	CHKD T.IWANE	DRAWN K.KUSAKABE	SCALE N/A		SHEET 1 / 1	