ASD-NIB
Analog Signal & Discrete Non-Incendive Barrier

- Class 1, Division 2 Barrier
- Provides non-incendive isolation for analog and discrete signals
- Eliminates need for explosion proof enclosures
- Eliminates costly wiring
- DIN rail mountable housing
- Internal thermal fuse
- LED indicator warns of a fault condition
- CSA

MODEL	NIB-TA25mA-1X
Type	Analog Signal & Discrete NIB
Wire Size	24-12 AWG
Voltage Output	24 VDC
Amperage Output	35 mA
Width	6.2 mm
Approvals	

1 channel ASD-NIB

Part Number Model Number	Std. Pack	Part Number Model Number	Std. Pack	Part Number Model Number	Std. Pack	Part Number Model Number	Std. Pack
34.243.0030.0	1						

Mechanical

Housing Material	Self-extinguishing polyamide
Degree of Protection	IP20
Temperature Range	-20°C to +70°C
Temperature Code	T3C (160°C)

Electrical

Input Voltage Range	5 - 30 VDC
Maximum Input Voltage	36 VDC
Maximum Output Voltage	24 VDC
Input Current	5 - 37 mA
Nominal Output Current	25 mA
Maximum Output Current	40 mA
4..20mA insertion loss	0.1 mA
Wire Gage	24 - 12 AWG
Internal Resistance	47 ohms

Field Wiring

(Recommended) Max. Cable Inductance	Group A — 25 µH/Ω | 0.27 µF Group B — 25 µH/Ω | 0.27 µF Group C — 60 µH/Ω | 0.81 µF Group D — 200 µH/Ω | 2.16 µF
Max. Loop Capacitance	

Indicators

Green - Normal Operation
Amber - Fault Condition

Fault Condition

Amber light typically indicates a ground fault on the output.

At 45 VDC the fault light will illuminate (even with no output connected)

If the temperature rises above 75°C a thermal fuse will open the output.