RedLion®
BY HMS NETWORKS

AIMI 0 (4) to 20 mA Passive Loop Powered Isolator

Item number: AIMI0010

The AIMI 0 (4) to 20 mA Passive Loop Powered Isolator provides passive electrical isolation and processing of analog 0 to 20 mA or 4 to 20 mA current signals. Detachable programming window makes it easy to program and recalibrate the device, as well as mirror existing configurations to save time.

Connect control and process equipment with the AIMI loop-powered isolator

Features and benefits

✓ **Single channel input loop-powered isolator**

1:1 input loop powered isolator of current signals in the range 0(4) to 20 mA.

✓ **Reliable operation**

Provides surge suppression and protects control systems from transients and noise. Excellent signal/noise ratio > 60 dB. Excellent conversion accuracy, better than 0.1% in the range 0 to 20.5 mA. Fast response time < 5 ms and low input voltage drop.

✓ **Designed for harsh environments**

Engineered to deliver uncompromising performance in demanding environments.

✓ **Value meets function**

Competitive choice in terms of both price and technology for galvanic isolation of current signals. High galvanic isolation of 2.5 kVAC. Inputs and outputs are floating and galvanically separated.

✓ **Easy installation**

Easily installation to a DIN-rail.

✓ **Industry certified**

UL-listed and ATEX/IECEx approvals. Class 1, Division 2 or Zone 2 hazardous locations.

AIMI 0 (4) to 20 mA Passive Loop Powered Isolator

General

Net Weight (g)	70.023265
Packed Weight (g)	70.023265
Operating Temperature °C Min	-25
Operating Temperature °C Max	70
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Relative Humidity	< 95% RH (non-cond.)
Power Consumption (W)	0
Mounting	DIN rail mount (bracket included)
Packaging Material	Cardboard
Warranty (years)	2

Identification and Status

Product ID	AIMI0010
Country of Origin	United States of America (the)
HS Code	9032890090
Dual Usage	No

Physical Features

SD Card Slot	No
Flash Drive	No
Contains Battery	No

Certifications and Standards

Protection Class IP	IP20

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Certifications and Standards

RoHS Compliant	Yes
CE	No
FCC	No
UKCA	No
UL	Yes
ATEX	Yes
DNV	No
KC	No