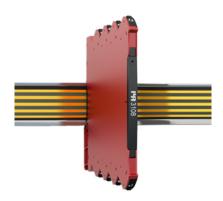


Distributed by: M.A. Selmon Company, Inc 4 Oxford Rd. Milford, CT 06460 203-377-3525





# Isolated repeater / splitter

# 3108

- Isolation and conversion of current signals
- Slimline housing of 6 mm
- Response time <7 ms
- Splitter function: 1 in 2 out
- Simple no setup needed















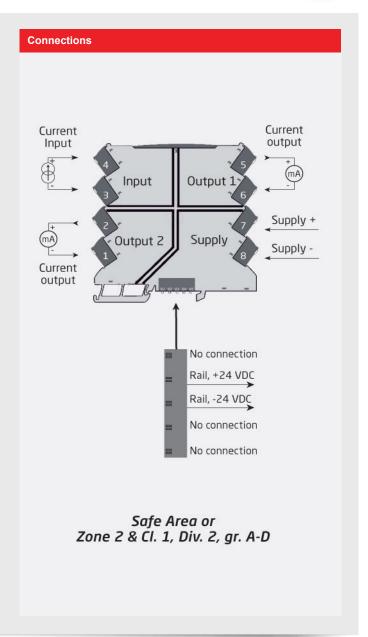


### **Application**

- · Isolation and conversion of standard DC signals.
- · Galvanic separation of analog current signals.
- · Elimination of ground loops and measurement of floating signals.
- · A competitive choice in terms of both price and technology for galvanic isolation of current signals to SCADA systems or PLC equipment.
- Installation in ATEX Ex zone 2 / IECEx Zone 2 / FM division
- · Suitable for environments with high vibration stress, e.g. ships.

### **Technical characteristics**

- The input is protected against overvoltage and polarity error.
- · Factory-calibrated measurement ranges.
- · Inputs and outputs are floating and galvanically separated.



**Type** 3108

### **Environmental Conditions**

Specifications range	-25°C to +70°C
Storage temperature	-40°C to +85°C
Calibration temperature	2028°C
Relative humidity	< 95% RH (non-cond.)
Protection degree	IP20
Installation in	

### **Mechanical specifications**

Dimensions (HxWxD)	113 x 6.1 x 115 mm
Weight approx	70 g
DIN rail type	DIN EN 60715/35 mm
DIN rail type Wire size	0.13 x 2.5 mm <sup>2</sup> / AWG 2612
	stranded wire
Screw terminal torque	0.5 Nm
Vibration: 225 Hz	±1.6 mm
Vibration: 25100 Hz	±4 g

# **Common specifications**

### Supply

#### Isolation voltage

#### Response time

### Input specifications

## Current input

Measurement range	020.5 mA
Functional range	023 mA
Input voltage drop	< 1.5 VDC

# **Output specifications**

Current output	
Signal range	020.5 mA (span)
Load (max.)	23 mA/300 Ω
Load stability	≤0.01% of span / 100 Ω
Current limit	≤ 28 mA
*of span	= 020 mA

#### **Approvals**

EMC	2004/108/EC
LVD	2006/95/EC
ATEX 94/9/EC	KEMA 10ATEX0147 X, II 3 G
	Ex nA IIC T4 Gc
IECEx	KEM 10.0068X
FM	3041043-C
DNV Marine	Stand. f. Certific. No. 2.4
GL	V1-7-2
UL	UL 61010-1
EAC	TR-CU 020/2011
EAC Ex TR-CU 012/2011	RU C-DK.GB08.V.00410
CCOE	P337347/1