



CURRENT ISOLATOR QA-I

3-way CURRENT ISOLATOR , ACTIVE or PASSIVE input/output, transparent to the analog signals 0-20mA/0-20mA, DIN rail mounting, universal supply AC/DC.



POWER SUPPLY	10..40 Vdc, 20-28 Vac, 50-60 Hz
RETRANSMISSION OUTPUT	On isolated analog output, Current (impressed); Active or Passive supply output.
ABSORPTION	Maximum 2 VA
PROTECTION INDEX	IP20
ACCURACY	0,1% F.S.
RESOLUTION	16 bit
REJECTION	50 -60 Hz
THERMAL STABILITY AT 25°C	<100ppm
WORKING TEMPERATURE	-15...+65°C
STORAGE TEMPERATURE	-40°C... +85°C
ISOLATION	Analog Input, analog output and Power supply, are 3-ways galvanically isolated at 1,5kV.
HUMIDITY	10...90% not condensing
ALTITUDE	Up to 2000 m s.l.m.
MOUNTING	DIN rail mounting
CONNECTIONS	Removable terminals 5,08mm
CE STANDARDS	EN61000-6-4/2006 + A1 2011; EN64000-6-2/2005 ; EN61010-1/2010
DIMENSIONS	17,5x 100x 112 mm (terminals excluded)

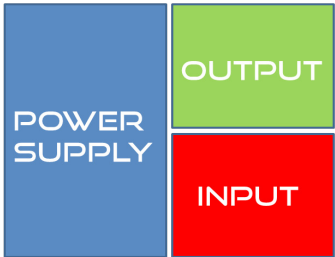
INPUT

CURRENT: Active or Passive, up to 20 mA, input impedance 20 Ohm, max resolution 2µA.

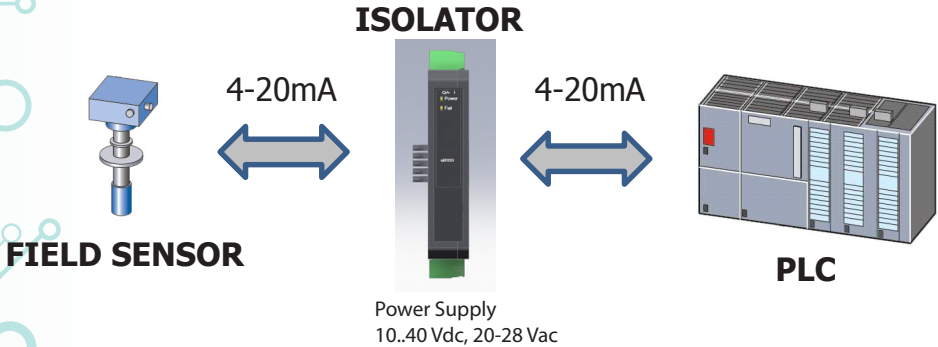
OUTPUT

CURRENT: Active or Passive, up to 20mA, maximum load resistance 600ohm.

3-WAY GALVANIC ISOLATION



Typical application :



QA-I
CURRENT ISOLATOR





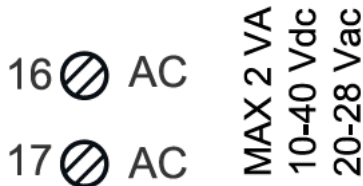
Instruction Manual

QA-I

DESCRIPTION:

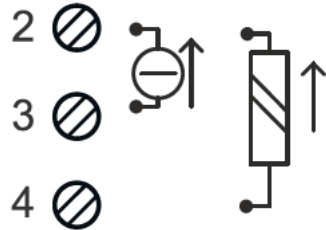
The QA-I is a current isolator signals from 0 to 20mA. You don't need to program the module, the device introducing a galvanic separation between input and output of 1.5kV, therefore the amount of input current will be made available at the output. The input and the output current can be ACTIVE or PASSIVE.

ELECTRICAL CONNECTIONS:



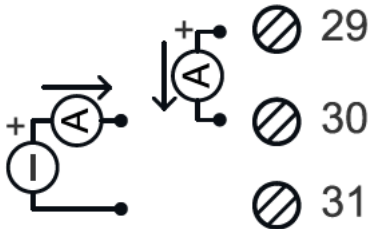
POWER SUPPLY:

10...40 Vdc or 20...28 Vac - Connectors 16 and 17 -MAX 2 VA.
Or by T-BUS connector (optional) on the base of the module



ANALOG INPUT:

For PASSIVE current input use the connectors 2 (positive) and 3.
For ACTIVE current input use connectors 2 (positive) and 4.



ANALOG OUTPUT:

For ACTIVE current output use the connectors 29 (positive) and 30.
For PASSIVE current output use the connectors 30 (positive) and 31 .

LED INDICATION

POWER: Indicates the presence of power supply on the module

FAIL : Indicates the presence of a malfunction (hardware problem, over-underrange, incorrect electrical connection)



MOUNTING INSTRUCTION:

To mount the card on DIN rail, we recommend to place the top of the form on the edge of the bar omega, then pushing the bottom until it clicks. The module is equipped with a slider fastening that will be pushed forward in order to ensure the perfect fastening of the module on the bar.



QA-VI

Instruction Manual



Disposal of electrical & electronic equipment (applicable throughout the EU and other countries with separate collection programs). This symbol, found on your product or on its packaging, indicates that this product should not be treated as household waste when you wish to dispose of it. Instead, it should be handed over to an applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences to the environment and human health, which could otherwise be caused by inappropriate disposal of it. The recycling of materials will help to conserve natural resources. For more detailed information about the recycling of this product, please contact your local city office, waste disposal service or the retail store where you purchased this product.