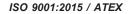


II (1)G [Ex ia] IIC Ga

E 1258



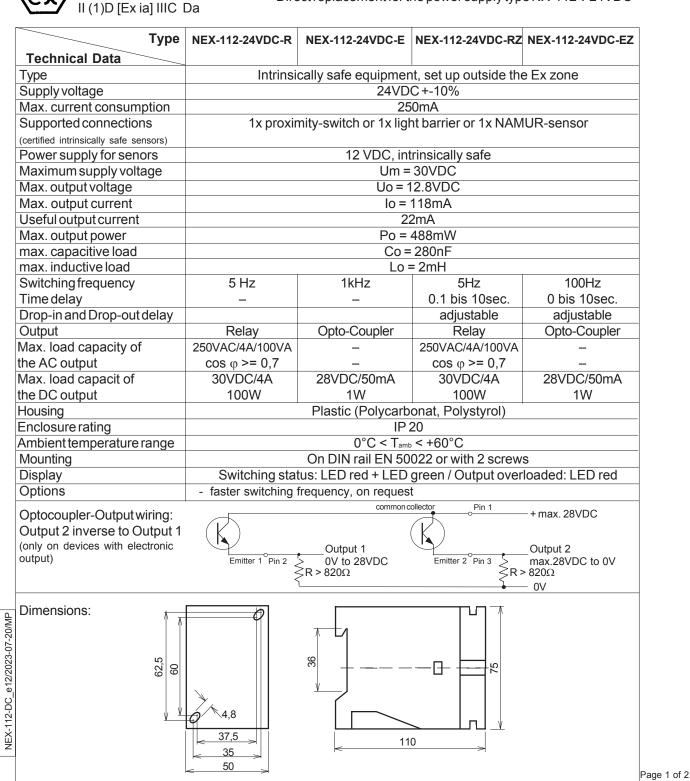


Original Operating Manual:

ASSURIX intrinsically safe power supply NEX-112-24VDC

Operating Manual and Control Drawing No. NEX-112-DC

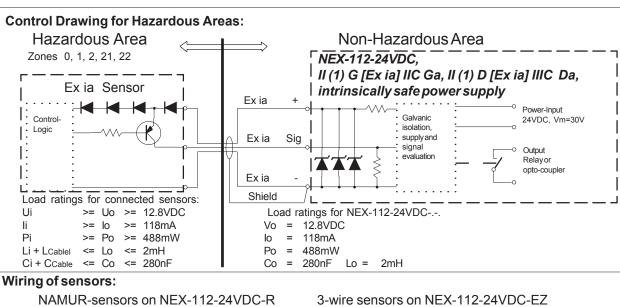
- 12V, intrinsically safe power supply and signal evaluation for sensors in Ex zones 0, 1, 2, 20, 21 and 22
- Type of protection: intrinsically safe
- ATEX EC-type examination certificate: PTB 03 ATEX 2206
- Also compatible with intrinsically of the ASSURIX series.
- With relay or electronic output
- Also available wih adjustable delay function.
- Direct replacement for the power supply type NX-112-.-24VDC

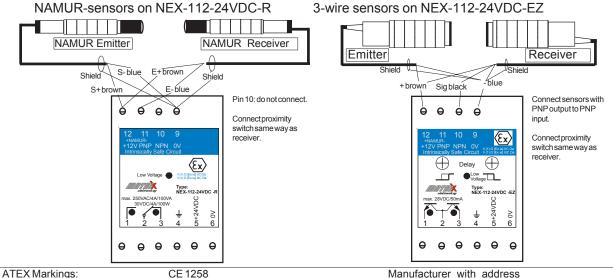




info@tippkemper-matrix.com







T_{amb} : 0°C < T_{amb} < +60°C D.O.M: Number 5 to 8 of serial number(Y/CW) **Operating-Manual / EC-declaration of conformity:**

Type: NEX-112-24VDC-

Ex installation prescriptions

It is mandatory to comply with the valid rules and installation units must be disposed of in accordance with local waste regulations regarding explosion protection (EN 60079-14). disposal regulations. The power supply unit must be mounted outside the Ex zone. Safety notice The connection of the certified, intrinsically safe sensors When installing and operating the product, it is necessary must be carried out outside the Ex area. When selecting the to take into consideration all relevant international and cable, the maximum permissible capacitances and other national regulations, especially those regarding inductances must be observed.

Function

The power supply NEX-112-.. will provide the power and EU-Declaration of conformity signaling function for intrinsically safe sensors at protection ATEX EC-type examination cert. No.: PTB 03 ATEX 2206. level Ex ia in Ex zones 0, 1, 2, 20, 21 and 22.

consumption of the connected NAMUR sensor becomes 11:2006, EN 61000-6-2:2001, EN 61000-6-3:2001, > 2mA, the relay energizes and the red LED lights up. When ATEX directive: 2014/34/EU, Machine directive: 2006/42/ the PNP or NPN input is not activated or the current EG, RoHS directive: 2011/65/EU, EMC directive: 2014/30/ consumption of the connected NAMUR sensor is < 1mA, EU the relay de-energizes and the green LED lights up. For the ATEX certification type Production of Ex devices of directive Z-versions the on- and off-delay can be adjusted individually 2014/34/EU. Certification No.: SEV 21 ATEX 4580, CE by means of 2 potentiometers. For high switching 1258, Eurofins. Mr. Pablo Ledergerber, Matrix Elektronik frequencies, select a device with an optoelectronic output, AG, is authorized to generation of documentation. The "E" types. If the intrinsically safe output circuit is overloaded, conformity of the devices with all used standards and the "Low Voltage"-LED lights up.

Maintenance

No special maintenance is required. The equipment must 9001:2015, with the ATEX module "Production", declares: only be repaired or serviced by the manufacturer.

General notes and disposal

We reserve the right to modify our products. Our products are designed in such a way, that they have the least possible adverse effect on the environment. It neither emits or contains any damaging or siliconized substances and use a minimum

of energy and resources. No longer usable or irreparable

II (1)G [Ex ia] IIC Ga II (1)D [Exia] IIIC Da

EC-type certification No.: PTB 03 ATEX 2206 Electrical data according to table

safety and explosion protection: EN 60079-14, Directive 1999/92/EG.

The power supplies conform to the following directives: When the PNP or NPN input is activated or the current EN 60079-0:2009, EN 60079-11:2007, EN 61241-

directives and the EX-type examination certificate and the observation of the Quality Management System ISO

Pablo Ledergerber, Matrix Elektronik AG

Matrix Elektronik AG

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