

# BXNE412002 GeorGIN 115/230VAC 24/48VDC ATEX Safety Barrier Datasheet



SKU: 1032805657410

Category: Safety & PPE

Price: **\$1,479.43**

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Product Page:

<https://www.equipspares.com/product/bxne412002-georGIN-115-230vac-24-48vdc-atex-safety-barrier>

## Product Description

GeorGIN BXNE412002 is a 45 mm wide dual-channel intrinsic safety power supply module featuring 115/230 V AC input and 24/48 V DC supply compatibility. The unit provides a regulated 19.5 V DC output with a maximum current of 170 mA and 1.64 W power capacity per channel. It is constructed with a polycarbonate housing for DIN rail mounting and ensures 2500 V AC galvanic isolation between the power supply and hazardous area circuits. The device is certified under ATEX [Ex ia] IIC for installation in safe zones to power equipment in zones 0, 1, 2, 20, 21, and 22.

### BXNE412002 Specifications

Model: BXNE412002

Brand: GeorGIN

Product Type: Intrinsic Security Power Supply

Barrier Type: Galvanic Barrier

Number of Channels: 2

Input Voltage: 110 / 230 V AC

Input Frequency: 48 to 62 Hz

Alternative Supply: 21.6 / 53 V DC

Output Voltage (U<sub>o</sub>): 19.5 V DC

Output Current (I<sub>o</sub>): 170 mA

Output Power (P<sub>o</sub>): 1.64 W

Hazardous Area Certification: ATEX, IECEx, EAC

Protection Mode: [Ex ia] IIC

Galvanic Isolation: 2500 V AC

Mounting Type: DIN Rail (35 mm)

IP Rating: IP 20

Operating Temperature: -20 to +60 °C

Storage Temperature: -25 to +70 °C

Terminal Type: Plug-In Cage Clamp

Housing Material: Polycarbonate

Width: 45 mm

Weight: 200 g

#### BXNE412002 Applications

Primary applications include integration into petrochemical refinery control systems, offshore oil platform instrumentation, and pharmaceutical chemical processing plants. Deployed within gas detection networks and hazardous area sensor power loops requiring ATEX-certified galvanic isolation for intrinsically safe solenoid valves and transmitters.

## Supplemental Images

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II(1) G/D LCIE02 ATEX 6104X    INERIS 14ATEX3016X  
[Ex Ia] IIC - [Ex IaD]    II 3 G Ex nA nC IIC T4 Gc  
IECEXLCI 09.0013X    -20°C < Tamb < 60°C

AVERTISSEMENT - SE REFERER A LA NOTICE D'INSTRUCTION ATEX  
NE PAS SEPARER SOUS TENSION  
WARNING - REFER TO THE INSTRUCTION MANUAL  
DO NOT OPEN WHEN ENERGIZED

**ZONE DANGEREUSE - HAZARDOUS AREA**

H-L : sortie 1 / output 1  
J-M : sortie 2 / output 2

**ZONE SÛRE - SAFE AREA**

A-B : alim / power supply 24-48 Vdc  
E-F : commande 1 / command 1  
C-D : commande 2 / command 2

TYPE :    BXNE412002  
SN :      301865  
LOT/BATCH : 80349  
YEAR :    2020



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