

# PI-EX-NAM/TO

Order No.: 2835574



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2835574>

Ex-i binary input: NAMUR isolation amplifiers. For operating proximity sensors and switches in Ex areas. The binary signals are transmitted to a safe area. Transistor output (active), line fault detection. Electrical isolation.



Commercial data	
GTIN (EAN)	4017918894863
sales group	H703
Pack	1 pcs.
Customs tariff	85437090
Weight/Piece	0.0961 KG
Catalog page information	Page 461 (IF-2009)

### Product notes

WEEE/RoHS-compliant since:  
11/21/2006



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## Technical data

Measuring input	
Non-load voltage	8.2 V DC $\pm$ 10 %
Switching points (attenuated)	< 1.2 mA (Disabling)
Switching points (unattenuated)	> 2.1 mA (Conducting)

**Measurement output**

Switching output	Transistor output, active, pnp
Configurable/programmable	Can be inverted via slide switch
Switching current	100 mA (short circuit resistant)

**Power supply**

Range of supply voltages	20 V DC ... 30 V DC
Max. current consumption	25 mA

**General data**

No. of channels	1
Ambient temperature (operation)	-20 °C ... 60 °C (See data sheet)
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Status display	Green LED (supply voltage) Yellow LED (status display) Red LED (line errors)
Width	12.4 mm
Depth	147 mm
Height with coupling plug NS 35/7,5	145 mm
Inflammability class acc. to UL 94	V0
Standards/regulations	NAMUR recommendation NE 21
Housing material	PBT and polyamide PA non-reinforced
Color	green
Conformity	CE compliant
ATEX	Ex II (1) GD [EEx ia] IIC Ex II 3 G Ex nA II T4 X
UL, USA / Canada	UL applied for

**Certificates / Approvals**



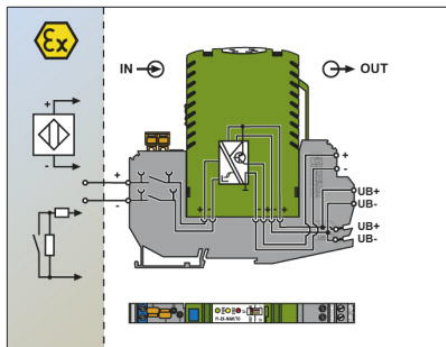
Certification	GOST
Certification Ex:	KEMA-EX, PxC-EX

**Additional products**

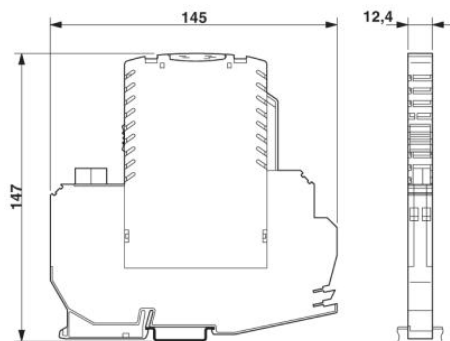
Item	Designation	Description
<b>General</b>		
2835325	PI-EX-ES-1/3	Ex basic terminal block, with three terminal points to the field level (Ex area)
2835901	PI-EX-TB	Ex base terminal block for intrinsically safe signals with knife disconnection and test connections
2858386	TT-PI-EX-TB	Intrinsically safe basic terminal block with isolating connector, test connections and surge protection, for mounting on NS 35/7,5

**Diagrams/Drawings**

Block diagram



Dimensioned drawing



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