

## Pepperl Fuchs Inductive sensor NJ15-30GK-N NAMUR output

### Our Product Introduction

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#### Basic Information

- Place of Origin: Germany
- Brand Name: PEPPERL FUCHS
- Model Number: NJ15-30GK-N
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: carton
- Delivery Time: Negotiable
- Payment Terms: T/T
- Supply Ability: 100pcs per month



#### Product Specification

- Manufacturer: PEPPERL FUCHS
- Product No: NJ15-30GK-N
- Material: PVC
- Color: Blue
- Number Of Cores: 2
- Core Cross Section: 0.75 Mm2
- Length: 2 M
- Nominal Voltage: 8.2 V (Ri Approx. 1 KΩ)



#### More Images



## Product Description

### Pepperl Fuchs Inductive sensor NJ15-30GK-N

15 mm non-flush

Usable up to SIL 2 acc. to IEC 61508

NAMUR output

#### Product Description

Switching function Normally closed (NC)

Output type NAMUR

Rated operating distance 15 mm

Installation non-flush

Assured operating distance 0 ... 12.15 mm

Reduction factor rAl 0.4

Reduction factor rCu 0.3

Reduction factor r304 0.85

Output type 2-wire

Nominal ratings

Installation conditions

A 18 mm

B 30 mm

C 45 mm

F 90 mm

Nominal voltage 8.2 V (Ri approx. 1 kΩ)

Switching frequency 0 ... 100 Hz

Hysteresis 1 ... 5 % typ. 3 %

Current consumption

Measuring plate not detected min. 3 mA

Measuring plate detected ≤ 1 mA

Functional safety related parameters

Safety Integrity Level (SIL) SIL 2

MTTFd 4560 a

Mission Time (TM) 20 a

Diagnostic Coverage (DC) 0 %

Compliance with standards and directives

Standard conformity

NAMUR EN 60947-5-6:2000

IEC 60947-5-6:1999

Standards EN IEC 60947-5-2

Approvals and certificates

IECEx approval

Equipment protection level Gb IECEx PTB 11.0037X

Equipment protection level Da IECEx PTB 11.0037X

Equipment protection level Mb IECEx PTB 11.0037X

ATEX approval

Equipment protection level Gb PTB 00 ATEX 2048 X

Equipment protection level Da PTB 00 ATEX 2048 X

UL approval cULus Listed, General Purpose

CCC approval

Hazardous Location 2020322315002255

CML approval on request

ANZEx 18.3018X

KCC approval

Hazardous Location 19-AV4BO-0227

Marine approval DNVGL TAA00001A5

Ambient conditions

Ambient temperature -25 ... 100 °C (-13 ... 212 °F)

Mechanical specifications

Connection type cable

Housing material PBT

Sensing face PBT

Degree of protection IP66 / IP68

Cable

Wire end ferrules yes

Cable diameter 6 mm ± 0.2 mm

Bending radius > 10 x cable diameter

Material PVC

Color blue

Number of cores 2

Core cross section 0.75 mm<sup>2</sup>

Length 2 m

Dimensions

Length 40 mm

Diameter 30 mm

General information

Use in the hazardous area see instruction manuals

 [achieversinstruments.com](http://achieversinstruments.com)

RM 509, 5/F, THE CLOUD, 111, TUNG CHAU STREET, TAI KOKTSUI, KOWLOON, HONG KONG