

# Portfolio dual sensors from Pepperl+Fuchs

F31K2



F31K1



F31



F25

**NEW**  
**F25**



# Portfolio pucks from P+F

Puck+Beacon  
for F31K2



Puck for  
F31... Series



Puck for  
F31... Series



Puck for  
F25... Series



**NEW**  
**Puck+Beacon**  
**for F25**



# F25 sensor – 2nd generation

1. **NEW:** Closed housing for perfect robustness against water and mud
2. **NEW:** Improved LED visibility by translucent housing
3. **NEW:** M12 plug version with metal thread
4. **NEW:** 2-wire DC version “quasi dry contact” with min. leakage current as 1:1 replacement for mechanical and reed switches.  
100% compatible with all controlling systems
5. **NEW:** F25K version with terminal compartment and plug-in terminals for easy installation
6. **NEW:** “Puck und Beacon” for high visibility and protection against mud and damage



# Type key NBN4-F25-...



## N B N 4 – F 2 5 – E 8 – V 1 [– K, – Y...]

### Version

B: Basis (=E8, 2E2, 2Z4L versions)

### Electr. Output

E8: DC 3 wire PNP  
2E2: DC 2x3wire PNP  
2Z4L: DC 2x2 wire low power NO

### Housing

F25: standard housing (Cable, plug)  
F25K: terminal compartment

Customer specific versions

**F25K: Optional terminal type**  
K: cage clamps

### Plug connections:

F25-V1: M12 plug (system connection)  
F25K-V1: optional M12 socket (Valve connection)



# Type key puck+beacon

## BT43 – RG – 01

**Version**  
BT43 = outer diameter  
43mm

**Label color:**  
1st: Color code for CLOSED  
position  
2nd: Color code for OPEN  
position

**Color codes:**  
R = Red  
G = Green



**Consecutive number**

Stem diameter: max. 31.5mm  
Stem height: 20mm or 30mm

Options:  
- hollow shaft („Pentair stem“)  
- cross shaft („Voith stem“)

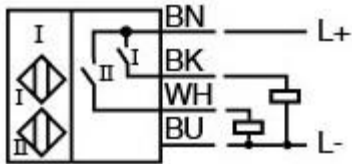
## SH – BT43 – F25 – 01

Protective housing for puck+beacon BT43

# NBN4-F25 electronics



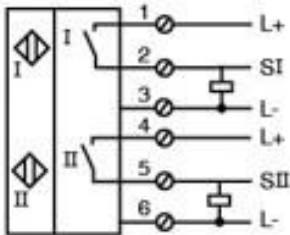
E8



- Double 3-wire DC sensor
- Common L+
- Common L-
- Normally open (NO)

- Voltage supply 10...30VDC
- Load current max. 200mA

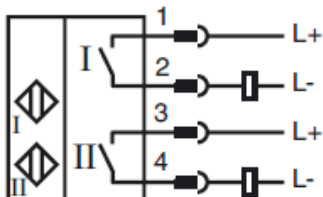
2E2



- Two separated 3-wire DC sensors
- Separated L+
- Separated L-
- Normally open (NO)

- Voltage supply 10...30VDC
- Load current max. 200mA
- Offstate current: <0.2mA

2Z4L



- 2 separated 2-wire DC circuits
- Normally open (NO)

- Voltage supply 5...30VDC
- Load current max. 100mA
- Offstate current: <0.2mA

# LED's F25



**Yellow LED – Sensor status (damped, not damped)**  
**Green LED – power supply of each sensor circuit**