

# SPN ZERO-POINT CLAMPING SYSTEM

## SPN138 E-SENSE

### ► PRODUCT ADVANTAGES



- Pre-positioning 18 mm before reaching end position
- Automatic centering and pull-in already 0,5 mm before reaching end position
- Electrical status check
- Mechanical locked in clamping position
- Low operating pressure of 4 or 6bar
- Maintenance free

### ► EQUIPMENT FEATURES



Pneumatic



Form fit



PLUS connection



Tubeless connection



Torque support



Automatic seal



Stainless steel



Pins compatible with reference system



Low height



Repeatability



Hardened

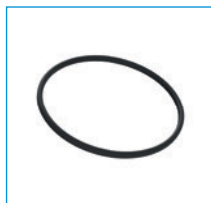


Piston position sensing / positioning check

### ► INCLUDED IN DELIVERY



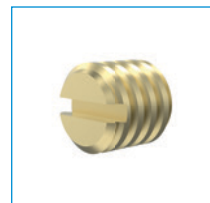
Mounting screw  
M3x8 12.9  
**C0912030082**



O-Ring  
**COR002010V**



Cover cap  
M3  
**095138**



Venting filter  
**CFILT00052**

### ► OPTIONAL ACCESSORIES



Sealing pin  
**SPZ138BV-B**



Automatic seal  
**SPZ138AV-B**



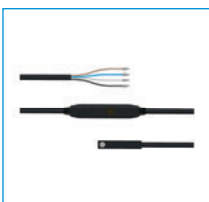
Centering pin  
**SPZ138BZ12-B**  
**SPZ138BZ16-B**



Retention pin  
**SPZ138BE12-B**  
**SPZ138BE16-B**



Sword pin  
**SPZ138BS12-B**  
**SPZ138BS16-B**



2-point sensor, cable 5 m

**MFS02-K-KHC-P2-PNP**



2-point sensor straight,  
cable 0.3 m - M8 connector

**MFS02-S-KHC-P2-PNP**



Inductive proximity switch  
- Cable 5 m

**NJ3-E2**



Inductive Proximity Switch  
Cable 0,3 m - Connector M8

**NJ3-E2SK**

## ► TECHNICAL DATA

| Order no.                               | ► Technical Data                  |                                   |
|-----------------------------------------|-----------------------------------|-----------------------------------|
|                                         | SPN138E4ED-B                      | SPN138E6ED-B                      |
| Operation                               | pneumatic                         | pneumatic                         |
| Retention force max. [kN]               | 75                                | 75                                |
| Operating pressure [bar]                | 4 ... 7                           | 6 ... 7                           |
| Pull-in force [kN]                      | 12.0                              | 18.0                              |
| Pull-in force with PLUS connection [kN] | 24.0                              | 36.0                              |
| Operating temperature [°C]              | -10 ... +70                       | -10 ... +70                       |
| Rotation prevention                     | Yes                               | Yes                               |
| PLUS connection                         | Yes                               | Yes                               |
| Air cleaning                            | Yes                               | Yes                               |
| Contact monitoring                      | electrical                        | electrical                        |
| Contact seal                            | Yes                               | Yes                               |
| Piston position sensing                 | electric                          | electric                          |
| Repetition accuracy [mm]                | 0.005                             | 0.005                             |
| Material                                | Tempered stainless steel/aluminum | Tempered stainless steel/aluminum |
| Certifications                          | LABS / REACH / RoHS               | LABS / REACH / RoHS               |
| Weight [kg]                             | 2.9                               | 3                                 |

