

## Opritoare cu indexare • pneumatic

EH 22124.



### Descrierea produsului

Index plungers are used in indexing bores and serve for secure locking and precise positioning. Components can be reliably positioned or released without the use of additional tools. This enables fast, repeatable positioning and ensures a high level of process reliability. Index plungers are used wherever components need to be positioned or locked quickly, safely and precisely. Typical applications include mechanical and plant engineering, fixture and tool construction, as well as assembly and production technology. They also ensure smooth operation in transport and packaging systems.

The index plunger is equipped with a pneumatic actuation unit that moves the plunger pin into the indexing position and/or retracts it. Optionally, the position of the plunger pin can be monitored by means of an electronic sensor.

Depending on the version, the locking pin is extended and retracted pneumatically or actuated by a combination of pneumatic pressure and spring force.

In the event of a pressure drop, the locking pin of the single-acting versions automatically returns to its defined initial position by spring force.

These index plungers are characterized by the following features:

- Pneumatic actuation for engaging and/or disengaging the locking pin
- Suitable for automated indexing and positioning processes as well as installations with limited accessibility
- Optional integrated electronic sensor for position monitoring
- Can be integrated into control systems (e.g. via IO-Link)
- High repeatability due to defined actuation
- Robust design, suitable for demanding operating environments
- Available in different operating principles (single-acting and double-acting versions)

### Material

#### Corp

- Oțel inoxidabil 1.4305

#### Bolț blocare

- Oțel inoxidabil 1.4305, nichelat

#### Mâner

- Termoplastic PA 6, negru, mat

#### Cablu

- Termoplastic PUR, negru

#### Magnet

- Magnet permanent

#### Senzor

- Termoplastic PA 6, negru, mat

#### Piuliță de fixare

- Oțel inoxidabil A2 (ISO 8675)

### Asamblare

The sensor and sensor clip are supplied loose and can be mounted using the hex key provided. The cable outlet direction can be selected individually during installation.

1. Slide the sensor laterally into the sensor clip.
2. Tighten the sensor set screw by hand (max. 0.1 Nm).
3. Clip the sensor clip into the annular groove of the index plunger in the desired position.
4. Rotate the sensor clip to adjust the cable outlet direction as required.
5. During commissioning, teach the sensor to the end positions using the operating element or via IO-Link in accordance with the operating instructions supplied with the sensor.

Note:

To avoid malfunctions, magnetic fields should not affect the index plunger.

Desen

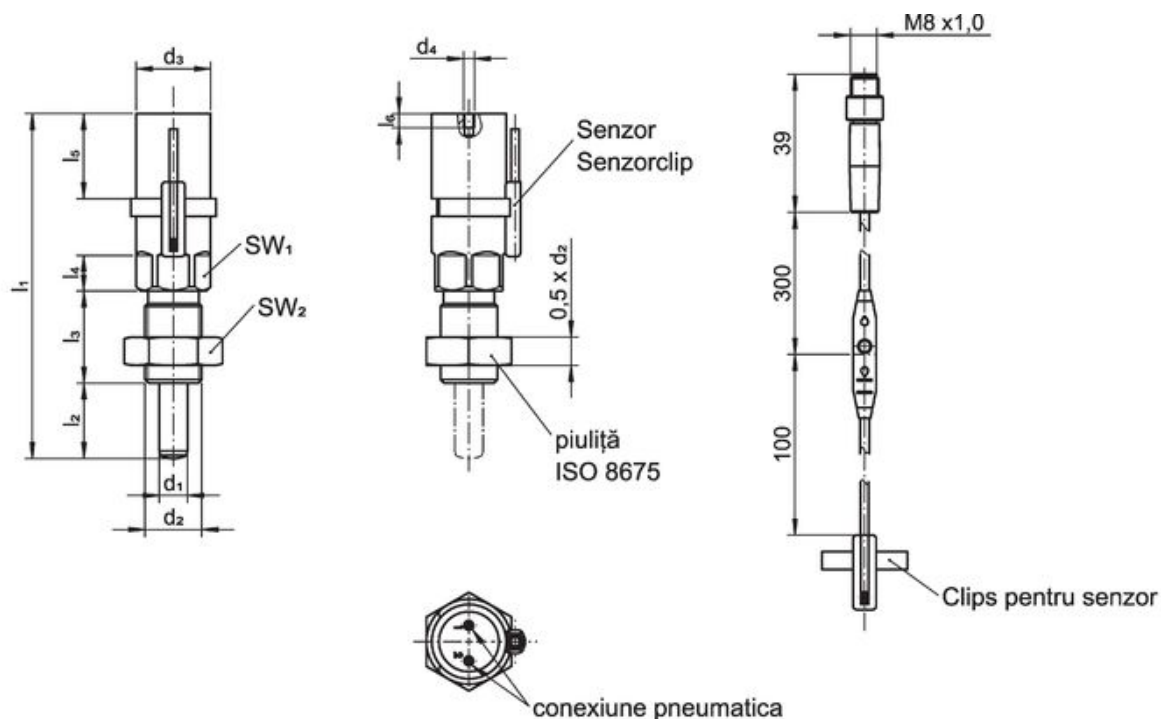


Figura 1

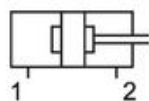


Figura 2

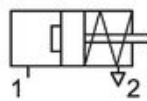
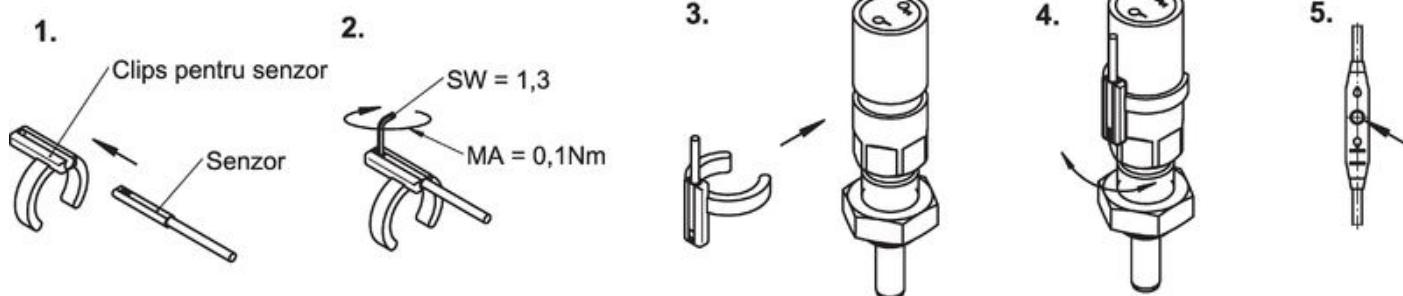
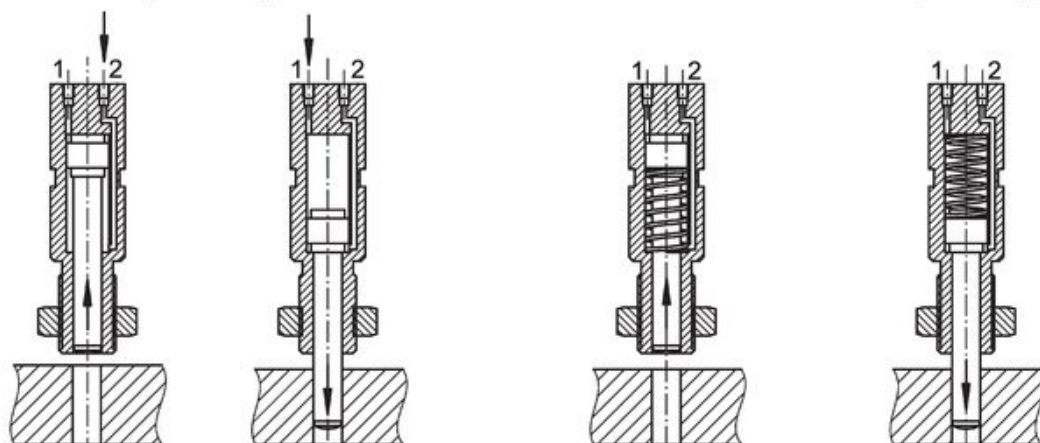
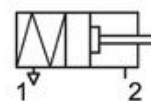


Figura 3

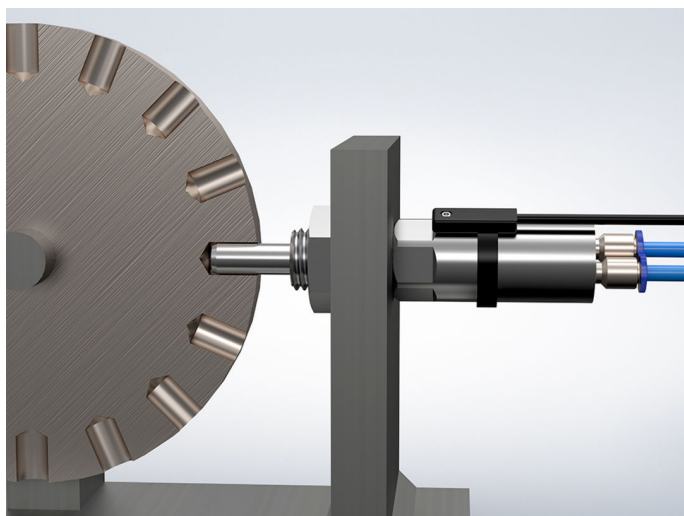
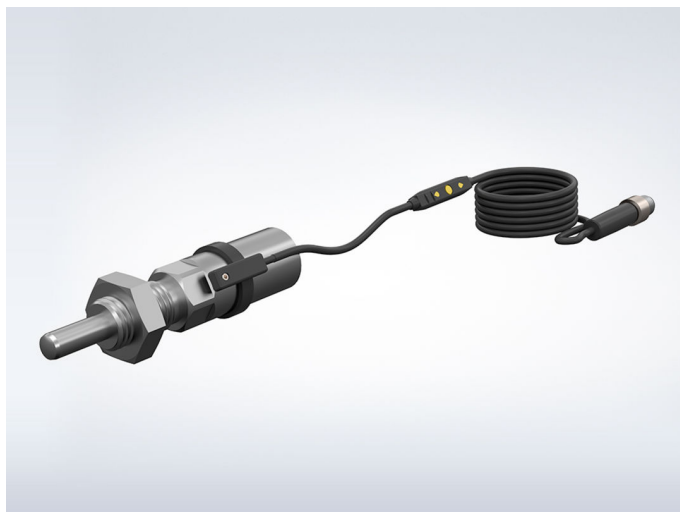


Informații comandă

| d <sub>1</sub><br>-0,02<br>-0,05                                                             | Dimensiuni     |                |                |                |                |                |                |                | SW <sub>1</sub> | SW <sub>2</sub> | Forța arcului <sup>1)</sup> |                | <br>min.   max. |    | <br>[g] | Ref. Nr.                   |
|----------------------------------------------------------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------------------|----------------|----------------------------------------------------------------------------------------------------|----|--------------------------------------------------------------------------------------------|----------------------------|
|                                                                                              | d <sub>2</sub> | l <sub>2</sub> | d <sub>3</sub> | d <sub>4</sub> | l <sub>1</sub> | l <sub>3</sub> | l <sub>4</sub> | l <sub>5</sub> |                 |                 | F <sub>1</sub>              | F <sub>2</sub> |                                                                                                    |    |                                                                                            |                            |
|                                                                                              | [mm]           |                |                |                |                |                |                |                |                 |                 | [N]                         |                | [°C]                                                                                               |    |                                                                                            |                            |
| double-acting – figura 1                                                                     |                |                |                |                |                |                |                |                |                 |                 |                             |                |                                                                                                    |    |                                                                                            |                            |
| 6                                                                                            | M12 x 1,5      | 9              | 21             | M3             | 73             | 22             | 10             | 24             | 19              | 18              | 50                          | 65             | -25                                                                                                | 75 | 154                                                                                        | <a href="#">22124.0106</a> |
| 8                                                                                            | M16 x 1,5      | 12             | 21             | M3             | 76             | 26             | 10             | 24             | 19              | 24              | 50                          | 65             | -25                                                                                                | 75 | 181                                                                                        | <a href="#">22124.0108</a> |
| 10                                                                                           | M16 x 1,5      | 12             | 21             | M3             | 76             | 26             | 10             | 24             | 19              | 24              | 50                          | 65             | -25                                                                                                | 75 | 154                                                                                        | <a href="#">22124.0110</a> |
| 12                                                                                           | M20 x 1,5      | 15             | 21             | M3             | 76             | 34             | 10             | 24             | 19              | 30              | 50                          | 65             | -25                                                                                                | 75 | 154                                                                                        | <a href="#">22124.0112</a> |
| single-acting, bolt retracted by spring force – figura 2                                     |                |                |                |                |                |                |                |                |                 |                 |                             |                |                                                                                                    |    |                                                                                            |                            |
| 6                                                                                            | M12 x 1,5      | 9              | 21             | M3             | 73             | 22             | 10             | 24             | 19              | 18              | 12                          | 26             | -25                                                                                                | 75 | 154                                                                                        | <a href="#">22124.0006</a> |
| 8                                                                                            | M16 x 1,5      | 12             | 21             | M3             | 76             | 26             | 10             | 24             | 19              | 24              | 12                          | 26             | -25                                                                                                | 75 | 154                                                                                        | <a href="#">22124.0008</a> |
| 10                                                                                           | M16 x 1,5      | 12             | 21             | M3             | 76             | 26             | 10             | 24             | 19              | 24              | 12                          | 26             | -25                                                                                                | 75 | 159                                                                                        | <a href="#">22124.0010</a> |
| 12                                                                                           | M20 x 1,5      | 15             | 21             | M3             | 76             | 34             | 10             | 24             | 19              | 30              | 12                          | 26             | -25                                                                                                | 75 | 185                                                                                        | <a href="#">22124.0012</a> |
| Single-acting, bolt moved into the indexing position by spring force – figura 3              |                |                |                |                |                |                |                |                |                 |                 |                             |                |                                                                                                    |    |                                                                                            |                            |
| 6                                                                                            | M12 x 1,5      | 9              | 21             | M3             | 73             | 22             | 10             | 24             | 19              | 18              | 26                          | 12             | -25                                                                                                | 75 | 154                                                                                        | <a href="#">22124.0206</a> |
| 8                                                                                            | M16 x 1,5      | 12             | 21             | M3             | 76             | 26             | 10             | 24             | 19              | 24              | 26                          | 12             | -25                                                                                                | 75 | 154                                                                                        | <a href="#">22124.0208</a> |
| 10                                                                                           | M16 x 1,5      | 12             | 21             | M3             | 76             | 26             | 10             | 24             | 19              | 24              | 26                          | 12             | -25                                                                                                | 75 | 154                                                                                        | <a href="#">22124.0210</a> |
| 12                                                                                           | M20 x 1,5      | 15             | 21             | M3             | 76             | 34             | 10             | 24             | 19              | 30              | 26                          | 12             | -25                                                                                                | 75 | 185                                                                                        | <a href="#">22124.0212</a> |
| double-acting, with sensor – figura 1                                                        |                |                |                |                |                |                |                |                |                 |                 |                             |                |                                                                                                    |    |                                                                                            |                            |
| 6                                                                                            | M12 x 1,5      | 9              | 21             | M3             | 73             | 22             | 10             | 24             | 19              | 18              | 50                          | 65             | -25                                                                                                | 75 | 221                                                                                        | <a href="#">22124.1106</a> |
| 8                                                                                            | M16 x 1,5      | 12             | 21             | M3             | 76             | 26             | 10             | 24             | 19              | 24              | 50                          | 65             | -25                                                                                                | 75 | 219                                                                                        | <a href="#">22124.1108</a> |
| 10                                                                                           | M16 x 1,5      | 12             | 21             | M3             | 76             | 26             | 10             | 24             | 19              | 24              | 50                          | 65             | -25                                                                                                | 75 | 221                                                                                        | <a href="#">22124.1110</a> |
| 12                                                                                           | M20 x 1,5      | 15             | 21             | M3             | 76             | 34             | 10             | 24             | 19              | 30              | 50                          | 65             | -25                                                                                                | 75 | 258                                                                                        | <a href="#">22124.1112</a> |
| single-acting, bolt retracted by spring force, with sensor – figura 2                        |                |                |                |                |                |                |                |                |                 |                 |                             |                |                                                                                                    |    |                                                                                            |                            |
| 6                                                                                            | M12 x 1,5      | 9              | 21             | M3             | 73             | 22             | 10             | 24             | 19              | 18              | 12                          | 26             | -25                                                                                                | 75 | 195                                                                                        | <a href="#">22124.1006</a> |
| 8                                                                                            | M16 x 1,5      | 12             | 21             | M3             | 76             | 26             | 10             | 24             | 19              | 24              | 12                          | 26             | -25                                                                                                | 75 | 219                                                                                        | <a href="#">22124.1008</a> |
| 10                                                                                           | M16 x 1,5      | 12             | 21             | M3             | 76             | 26             | 10             | 24             | 19              | 24              | 12                          | 26             | -25                                                                                                | 75 | 195                                                                                        | <a href="#">22124.1010</a> |
| 12                                                                                           | M20 x 1,5      | 15             | 21             | M3             | 76             | 34             | 10             | 24             | 19              | 30              | 12                          | 26             | -25                                                                                                | 75 | 255                                                                                        | <a href="#">22124.1012</a> |
| single-acting, bolt moved into the indexing position by spring force, with sensor – figura 3 |                |                |                |                |                |                |                |                |                 |                 |                             |                |                                                                                                    |    |                                                                                            |                            |
| 6                                                                                            | M12 x 1,5      | 9              | 21             | M3             | 73             | 22             | 10             | 24             | 19              | 18              | 26                          | 12             | -25                                                                                                | 75 | 195                                                                                        | <a href="#">22124.1206</a> |
| 8                                                                                            | M16 x 1,5      | 12             | 21             | M3             | 76             | 26             | 10             | 24             | 19              | 24              | 26                          | 12             | -25                                                                                                | 75 | 217                                                                                        | <a href="#">22124.1208</a> |
| 10                                                                                           | M16 x 1,5      | 12             | 21             | M3             | 76             | 26             | 10             | 24             | 19              | 24              | 26                          | 12             | -25                                                                                                | 75 | 258                                                                                        | <a href="#">22124.1210</a> |
| 12                                                                                           | M20 x 1,5      | 15             | 21             | M3             | 76             | 34             | 10             | 24             | 19              | 30              | 26                          | 12             | -25                                                                                                | 75 | 219                                                                                        | <a href="#">22124.1212</a> |

<sup>1)</sup> valoarea statistică medie

Exemplu de aplicație



## Reclamație

### Conform RoHS

Conform în temeiul Directivei 2011/65/UE [RoHS].

### Nu conține materiale SVHC

Nu conține substanțe SVHC cu mai mult de 0,1% w/w - lista SVHC din 04.02.2026.

### Cod SCIP

N/A

### Nu conține substanțe din Declarația 65

Nu conține substanțe din Declarația 65.

<https://www.P65Warnings.ca.gov/>

### Nu conține Minerale de conflict

### Conform POP (poluanți organici persistenti)

Nu conține poluanți organici persistenti – Convenția de la Stockholm [POP] ultima actualizare septembrie 2025

### Conform PFAS (substanțe perfluoroalchilate și polifluoroalchilate)

Nu conține nicio substanță perfluoroalchilată și polifluoroalchilată (PFAS).

### Conform TSCA (Legea privind controlul substanțelor toxice)

Produsul nu conține substanțe care depășesc pragul specificat.