

## Series F2202/04.. - F2209/04..

The flanged valve of the 22 series in the control type direct and externally controlled requires compressed air between 4-8bar for switching. The spring-loaded piston actuator is pressurised with compressed air and directly lifts the valve disc from the seat. The valve is closed by spring force. The robust design has fast reaction times with high positioning forces of spring and control pressure.

For more information follow this link:

<https://www.buschjostventile.de/en/products/F-2202-04-F-2209-04/details/F2209-0402-8008-EO?pressureRangeld=573>

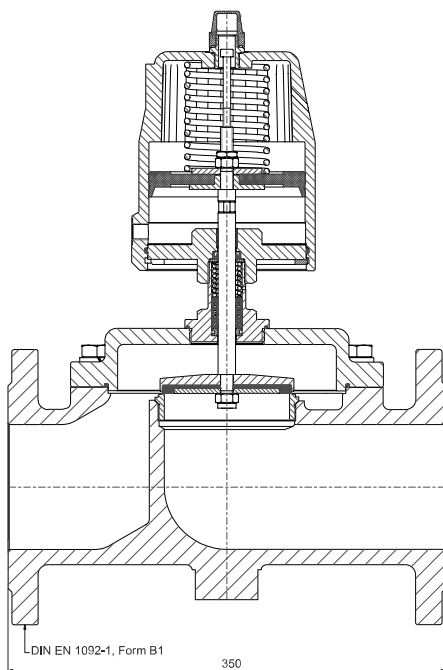


Image representation corresponds only to the valve design

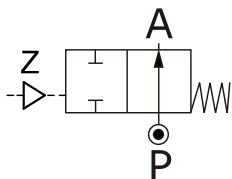
## Valve F2209/0402/8008-EO

|                                                     |    |                                                                                     |
|-----------------------------------------------------|----|-------------------------------------------------------------------------------------|
| Version                                             | F  |                                                                                     |
| Type of valve                                       | 22 | Seat Valve, pneum. direct                                                           |
| Connection type, valve seat                         | 09 | DN100, 100mm                                                                        |
| Kv-value ( $\Delta p = 1 \text{ bar H}_2\text{O}$ ) |    | 173 m <sup>3</sup> /h                                                               |
| Housing                                             | 04 | EN-GJL250 grey cast                                                                 |
| Sealing                                             | 02 | FKM                                                                                 |
| Function                                            | 8  | OPEN with spring                                                                    |
| Design                                              | 0  | straight seat, actuator aluminium                                                   |
| Actuator size                                       | 08 | ø80                                                                                 |
| Actuator volume                                     |    | 260 cm <sup>3</sup>                                                                 |
| Valve option                                        | EO | Inductive sensor, double                                                            |
| System pressure                                     |    | 0 - 2.5 bar (the max. operating pressure requires a control pressure of min. 6 bar) |
| Control pressure                                    |    | 6 - 8 bar                                                                           |
| Temperature Medium                                  |    | from -10 °C to +140 °C                                                              |
| Temperature Environment                             |    | from -10 °C to +60 °C                                                               |
| Mounting position                                   |    | in any position                                                                     |
| Specific use case                                   |    | Closed system (includes open system)                                                |

## Drawing-Standard



## Switching position



in Ruhestellung auf  
normal open

Fließrichtung festgelegt  
flow direction defined

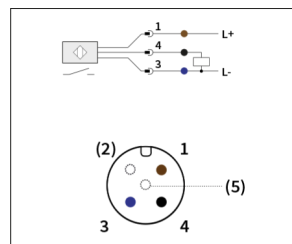
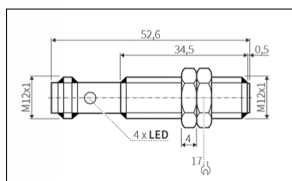
## Additional information

|                       |                                                                                                     |                          |
|-----------------------|-----------------------------------------------------------------------------------------------------|--------------------------|
| Valve option          | EO                                                                                                  | Inductive sensor, double |
| Description           | Inductive sensor for position indication   BJ standard, round M12x1.5, in the bracket, OPEN / CLOSE |                          |
| REACH-RoHS conformity | REACH yes   RoHS yes                                                                                |                          |
| Net weight            | 37.4 kg                                                                                             |                          |
| Customs export        | Customs tariff number 84812090; Country of origin Germany; ECCN (US): N; AL: N                      |                          |

## Additional information for valve option

EO - Induktiver Sensor 2-fach

EO - inductive sensor, double



| AI054 Induktiver Sensor - Inductive sensor                |                                                   |
|-----------------------------------------------------------|---------------------------------------------------|
| Artikel Nr.<br>article no.                                | B0044.000395<br>AA037-2m Sensorkabel, sensorcable |
| Schaltausgang<br>Switching output                         | Schließer (NO)<br>Normally open (NO)              |
| Schaltabstand<br>Switching distance                       | 4mm                                               |
| Betriebsspannung<br>Operating voltage                     | 10 ... 30 V DC                                    |
| Elektrische Ausführung<br>Electrical design               | PNP                                               |
| Strombelastbarkeit Max.<br>Current carrying capacity max. | 200mA                                             |
| Stromaufnahme Max<br>Current consumption max.             | 10mA                                              |
| Gewindegröße<br>Thread size                               | M12x1                                             |
| Elektrischer Anschluss<br>Electrical connection           | M12 3-Polig<br>M12 3-pin                          |
| Umgebungstemperatur Min<br>Ambient temperature min.       | -25°C                                             |
| Umgebungstemperatur Max.<br>Ambient temperature max.      | 70°C                                              |
| Schutzart<br>Protection rating                            | IP67                                              |
| Funktionsanzeige<br>Function display                      | 4x LED                                            |