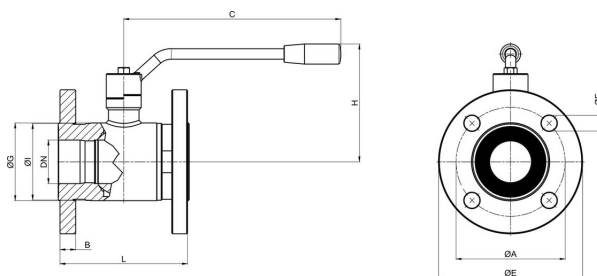


## Stainless steel flanged ball valve Series BA489-LLD-EB0X



|                    |                                                                                                                                                                      |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Design type        | Full port ball valve with floating ball, full bore passage                                                                                                           |
| Actuation          | by 90° rotation of the hand lever                                                                                                                                    |
| Connection         | rotatable flanges according to EN1092-1                                                                                                                              |
| Materials          | Housing Stainless steel 1.4404 polished, Ball Stainless steel 1.4404, Stainless steel hand lever 1.4307 plasticized, Ball seal MPTFE, Spindle seal PTFE, O-ring EPDM |
| Application range  | Fluids and gases of group 1 and 2 in accordance with PED 2014/68/EU that do not attack the materials used.                                                           |
| Medium temperature | -20...+150°C                                                                                                                                                         |
| Mounting type      | Installation in rigid piping system                                                                                                                                  |
| Mounting position  | any                                                                                                                                                                  |
| Special version    | Hand lever with shut-off device                                                                                                                                      |
| Approvals          | Mill test certificate 3.1<br>ATEX II 2G Ex h IIC T4 Gb / II 2D Ex h IIC T135°C Db                                                                                    |

### Dimensions

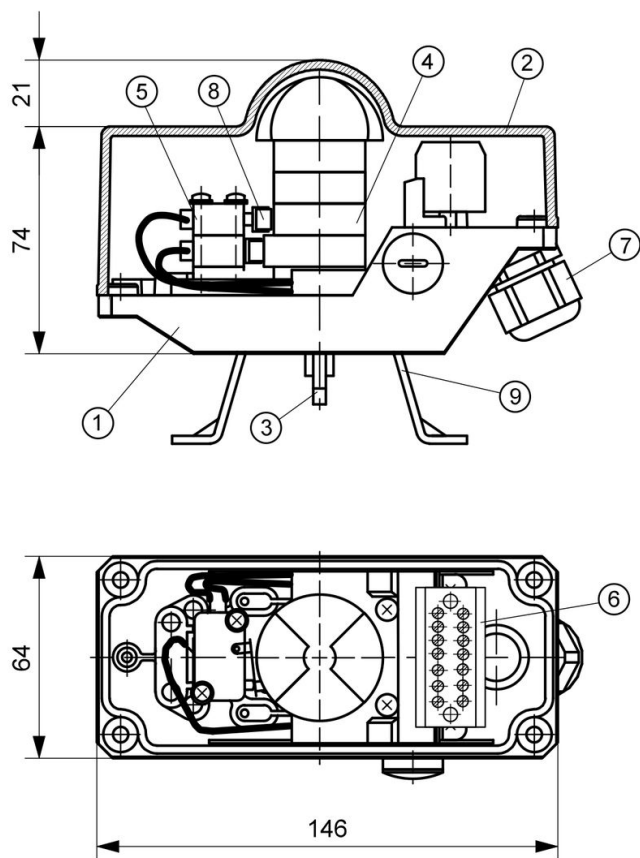


| Nominal size<br>DN[mm]                    | Flange according to<br>EN1092-1 | max. Operating pressure<br>[bar] | A   | B  | C   | ØE  | F       | ØG | H   | ØI | L   | Kv value [m <sup>3</sup> /h] | Weight [approx. kg] | Type                       |
|-------------------------------------------|---------------------------------|----------------------------------|-----|----|-----|-----|---------|----|-----|----|-----|------------------------------|---------------------|----------------------------|
| 40                                        | PN40                            | 40                               | 110 | 16 | 240 | 148 | 4 x Ø18 | 73 | 130 | 75 | 140 | 170                          | 6,45                | BA489-40-LLD-A3C<br>EB0X98 |
| 2992.V16-QM01 2992.V17-QM01 2993.V16-QM01 |                                 |                                  |     |    |     |     |         |    |     |    |     |                              |                     |                            |
| 50                                        | PN40                            | 40                               | 125 | 18 | 240 | 165 | 4 x Ø18 | 89 | 135 | 89 | 150 | 280                          | 8,9                 | BA489-50-LLD-A3C<br>EB0X98 |
| 2994.V17-QM01                             |                                 |                                  |     |    |     |     |         |    |     |    |     |                              |                     |                            |

Illustrations non-binding Design, dimensional and material changes reserved



TCR-Module with two inductive proximity switches IFM type IS5001,  
in TCR-Housing 146 x 64 x 74 mm, with high vision beacon



TECHNICAL DATA

Manufacturer: IFM  
Type: IS5001  
IS-3002-BPKG  
inductive, PNP  
normally open contact

Operating distance: 2 mm  
Nominal voltage: 10 ...30 V DC  
Operating current: 0 ... 200 mA  
Switch. frequency: 0 ... 800 Hz  
Signal: LED, yellow  
Temperature: -25 ... +80°C  
Housing base: Vestamid, black  
Housing cover: Macrolon, clear  
with vision beacon

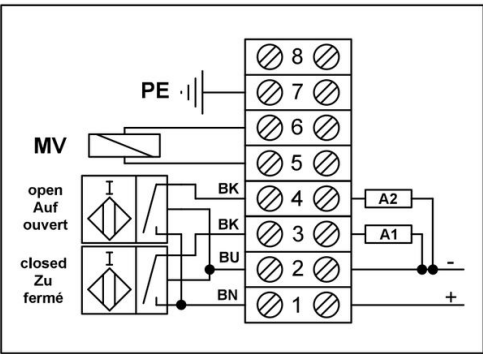
Sealing: EPDM  
Ingress protection: IP67 (Sensor)  
IP65 (Housing)

Switch. precision: < 1.5°  
System connect.: Cable gland M20x1,5  
Clamp. range 8...13 mm

OBJECT LIST

| Pos. | Pcs. | Description            | Material |
|------|------|------------------------|----------|
| 1    | 1    | Housing base           | Vestamid |
| 2    | 1    | Housing cover          | Macrolon |
| 3    | 1    | TCR-Axis               | POM      |
| 4    | 1    | Switch cam system      | POM      |
| 5    | 2    | IFM IS5001             | -        |
| 6    | 1    | Terminal block, 7-pole | -        |
| 7    | 1    | Cable gland M20x1,5    | PA       |
| 8    | 2    | Roller lever           | -        |
| 9    | 1    | Bracket size 1 - 4     | A2       |

WIRING DIAGRAM



Armatures / Ball valves - manually operated / Other materials - A02 / Flanged ball valve Series BA489 / [BA489-40-LLD-A3C-EB0X98] BA489-40-LLD-A3C-EB0X98

