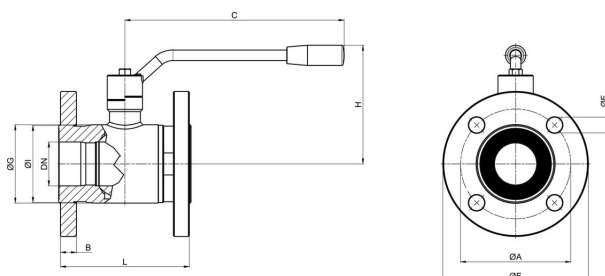


## Valvole a sfera flangiate in acciaio inox Serie BA550-LLD-EB0X



|                        |                                                                                                                                                                                                   |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tipo di costruzione    | Valvola a sfera a passaggio totale con sfera flottante passaggio totale                                                                                                                           |
| Azionamento            | tramite rotazione di 90° della leva manuale                                                                                                                                                       |
| Connessione            | flange orientabili secondo EN1092-1                                                                                                                                                               |
| Materiali              | Corpo alloggiamento Acciaio inox 1.4404 lucidato, Sfera Acciaio inox 1.4404, Leva manuale acciaio inox 1.4307 plastificato, Tenuta a sfera MPTFE, Tenuta del mandrino PTFE, O-ring EPDM-Perossido |
| Campo di impiego       | Fluidi e gas dei gruppi 1 e 2 secondo PED 2014/68/EU, che non aggrediscono i materiali utilizzati.                                                                                                |
| Temperatura del fluido | -45...+150°C                                                                                                                                                                                      |
| Tipo di fissaggio      | Installazione in sistema di tubazioni rigido                                                                                                                                                      |
| Posizione di montaggio | a piacere                                                                                                                                                                                         |
| Versione speciale      | Leva manuale con dispositivo di intercettazione                                                                                                                                                   |
| Omologazioni           | Certificato di collaudo 3.1<br>ATEX II 2G Ex h IIC T4 Gb / II 2D Ex h IIIC T135°C Db                                                                                                              |

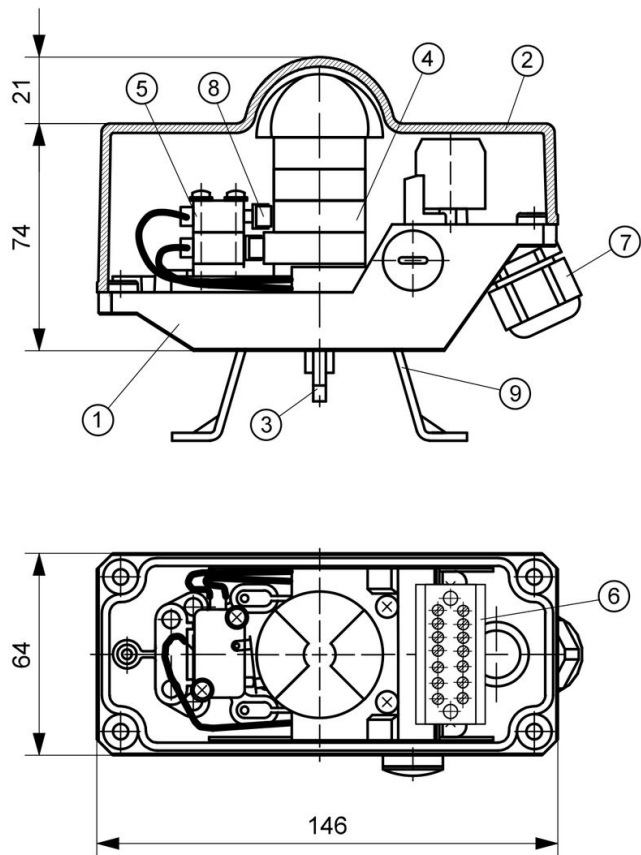
### Dimensioni



| Diametro nominale DN[mm]                                | Flangia secondo EN1092-1 | max. Pressione di esercizio [bar] | A   | B  | C   | ØE  | F       | ØG | H   | ØI | L   | Valore Kv [m <sup>3</sup> /h] | Peso [circa kg] | Tipo                    |
|---------------------------------------------------------|--------------------------|-----------------------------------|-----|----|-----|-----|---------|----|-----|----|-----|-------------------------------|-----------------|-------------------------|
| 40                                                      | PN40                     | 40                                | 110 | 16 | 240 | 148 | 4 x Ø18 | 73 | 130 | 75 | 140 | 170                           | 6,45            | BA550-40-LLD-A3C-EB0X98 |
| 2931.V10-QM01 2931.V11-QM01 2931.V12-QM01 2931.V13-QM01 |                          |                                   |     |    |     |     |         |    |     |    |     |                               |                 |                         |
| 40                                                      | PN40                     | 40                                | 110 | 16 | 240 | 148 | 4 x Ø18 | 73 | 130 | 75 | 140 | 170                           | 6,45            | BA550-40-LLD-A3C-EB0X99 |
| 2995.V15-QM01                                           |                          |                                   |     |    |     |     |         |    |     |    |     |                               |                 |                         |
| 50                                                      | PN40                     | 40                                | 125 | 18 | 240 | 165 | 4 x Ø18 | 89 | 135 | 89 | 150 | 280                           | 8,9             | BA550-50-LLD-A3C-EB0X98 |
| 2995.V15-QM                                             |                          |                                   |     |    |     |     |         |    |     |    |     |                               |                 |                         |



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

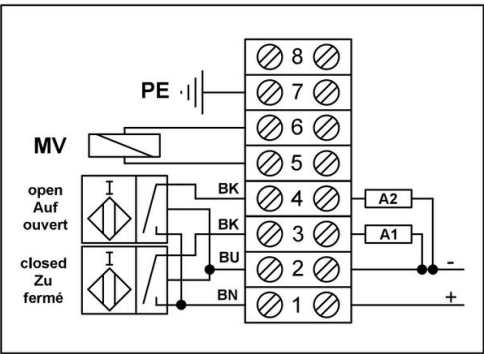
Sealing: EPDM  
Ingress protection: IP67 (Sensor)  
IP65 (Housing)

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

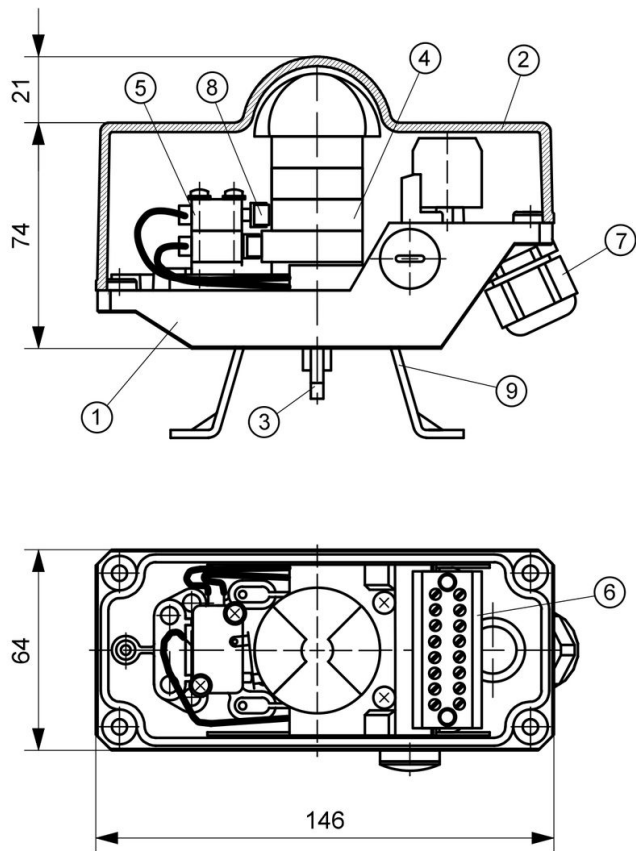
OBJECT LIST

| 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



TCR-Module with two inductive proximity switches IFM type IS5003,  
in TCR-Housing 146 x 64 x 74 mm, with high vision beacon



TECHNICAL DATA

Manufacturer: IFM  
Type: NS5003  
IS-2002-N/1D/1G/2G  
inductive, NAMUR  
normally closed contact

Operating distance: 2 mm  
Nominal voltage: 8,2 V DC  
current consumption: > 2,1 mA, active  
< 1 mA, inactive

Switch. frequency: 0 ... 800 Hz  
Temperature: -20 ... +70°C \*  
Housing base: Vestamid, black  
Housing cover: Vestamid, black  
with vision beacon  
(yellow/red)

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

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

II 2G Ex ia IIC T6 Gb

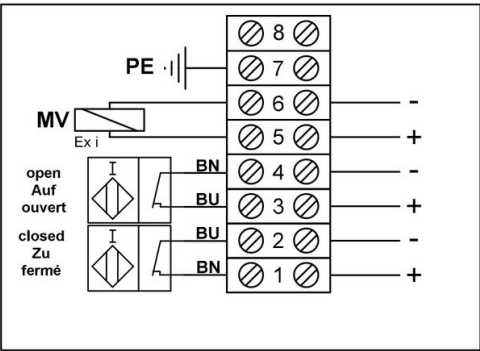
EC type-examination certificate No.  
PTB 02 ATEX 2217

\* The assignment between the max. permissible ambient temperature, the temperature class and the electrical supply data of the intrinsically safe circuit, must be taken from the EC-type examination certificate of the sensor.

OBJECT LIST

| Pos. | Pcs. | Description            | Material |
|------|------|------------------------|----------|
| 1    | 1    | Housing base           | Vestamid |
| 2    | 1    | Housing cover          | Vestamid |
| 3    | 1    | TCR-Axis               | POM      |
| 4    | 1    | Switch cam system      | POM      |
| 5    | 2    | IFM IS5003             | -        |
| 6    | 1    | Terminal block, 8-pole | -        |
| 7    | 1    | Cable gland M20x1,5    | PA       |
| 8    | 2    | Roller lever           | -        |
| 9    | 1    | Bracket size 1 - 4     | A2       |

WIRING DIAGRAM



Immagini non vincolanti Con riserva di modifiche costruttive, dimensionali e dei materiali.