

- ◆ All plastic design - no metal parts included!
- ◆ Installation without float removing
- ◆ Up to 7 switching points
- ◆ 70 °C maximum liquid temperature
- ◆ Vertical adjustment option



## Technical specifications

| Model                                    | BLCSFP   |       |               |       |               |       |                   |       |
|--|--|-------|---------------|-------|---------------|-------|-------------------|-------|
| <b>Specifications</b>                    |  |       |               |       |               |       |                   |       |
| <b>Float type</b>                        | N1   |       | P1            |       | P2            |       | P3                |       |
| <b>Liquid density [g/cm<sup>3</sup>]</b> | > 0.80   |       | > 0.70        |       | > 0.70        |       | > 0.60            |       |
| <b>Ext. tube diameter</b>                | 8 mm   |       | 8 mm          |       | 10 mm         |       | 16 mm             |       |
| <b>Contact type <sup>(1)</sup></b>       | NO, NC   | NO/NC | NO, NC        | NO/NC | NO, NC        | NO/NC | NO, NC            | NO/NC |
| <b>Max. common-lead contacts</b>         | 3  | -     | 3             | -     | 4             | 2     | 7                 | 4     |
| <b>Max. separated contacts</b>           | 2  | 1     | 2             | 1     | 2             | 1     | 5                 | 3     |
| <b>Contact ratings</b>                   | '1': max. 120 VAC, max. 0.5 A, max. 10 W; '2': max. 230 VAC, max. 0.5 A, max. 10 W; '3': max. 230 VAC, max. 2 A, max. 50 W |       |               |       |               |       |                   |       |
| <b>Probe length ('L0')</b>               | 100...1000 mm  |       | 100...1000 mm |       | 100...1500 mm |       | 100...2500 mm     |       |
| <b>End-to-float distance ('A')</b>       | min. 23 mm   |       | min. 23 mm    |       | min. 34 mm    |       | min. 34 mm        |       |
| <b>Float running distance ('B')</b>      | min. 27 mm   |       | min. 27 mm    |       | min. 47 mm    |       | min. 47 mm        |       |
| <b>Process temperature</b>               | -20...70 °C  |       |               |       |               |       |                   |       |
| <b>Ambient temperature</b>               | -20...70 °C  |       |               |       |               |       |                   |       |
| <b>Max. process pressure</b>             | 0 bar  |       | 4 bar         |       | 4 bar         |       | 4 bar             |       |
| <b>Housing</b>                           | ABS box 80x80x60 mm with up to 12 terminals (contact leads)  |       |               |       |               |       |                   |       |
| <b>Wiring</b>                            | terminal block inside protective housing, accessible through cable gland   |       |               |       |               |       |                   |       |
| <b>Wetted parts</b>                      | float: NBR or PP; tube and stopper: PVC; connection: PVC or POM  |       |               |       |               |       |                   |       |
| <b>Protection</b>                        | IP65   |       |               |       |               |       |                   |       |
| <b>Process connection</b>                | min. 1/2"  |       | min. 1"       |       | min. 1"       |       | min. 2" or flange |       |

<sup>(1)</sup> Different contact types can be ordered.

## Ordering code BLCSFP - x-x-x-x-x-x-x

| Feature or option                          | Code values   |
|--|---|
| Float                                      | <b>N1</b> - plastic, ø17.5x25, <b>P1</b> - plastic, ø25x25, <b>P2</b> - plastic, ø30x45, <b>P3</b> - plastic, ø48x45  |
| Contact function (no float) <sup>(2)</sup> | <b>A</b> - NO, <b>B</b> - NC, <b>C</b> - NO/NC  |
| Contact ratings                            | <b>1</b> - 120V/0.5A/10W, <b>2</b> - 230V/0.5A/10W <sup>(3)</sup> , <b>3</b> - 230V/2A/50W  |
| Operating lengths [mm] <sup>(4)</sup>      | <b>L0/L1/L2/L3/L4/L5/L6/L7</b>  |
| Process connection                         | <b>X</b> - none, <b>Q4</b> - G1/2", <b>Q12</b> - G1", <b>Q14</b> - G2", <b>Q15</b> - 1" NPT, <b>Q17</b> - 2" NPT, <b>F</b> - flange (specify!), <b>Z</b> - other (specify!) |
| Vertical adjustment                        | <b>X</b> - none, <b>A</b> - vertical adjustment via silicone ferrule installed  |
| RC suppressors                             | <b>X</b> - none, <b>RC</b> - RC suppressor mounted for each NO contact  |

<sup>(2)</sup> Specify (function, ratings) and separate with "/" each of the contacts (up to 7); e.g.: BLCSFP - N1.A2/B1/A3

<sup>(3)</sup> B2 and C2 are not available!

<sup>(4)</sup> Specify the exact length (step 50 mm) from the thread, flange, or box bottom to the respective contact according to the limits given in the specification table, strictly observing 'A' and 'B' minimum distances! 1<sup>st</sup> contact → 'L1'; e.g.: LCSFP - N1.A2/B1/A3.250/50/150/200

BASI reserves the right of changing specifications without prior notice!