

# K-DIGIT DRUCKSCHA BN A WASSER PF3W

Digital flow switch for water PF3W

**HANSA FLEX**

## Properties

|                              |   |
|------------------------------|---|
| <b>Design</b>                | Digital Flow Switch   |
| <b>guide type</b>            | integrated display  |
| <b>Max. working pressure</b> | 0,0 MPa   |
| <b>min. working pressure</b> | 1 bar   |
| <b>Rated voltage</b>         | 24 V DC   |
| <b>Current consumption</b>   | 50 mA   |
| <b>operating display</b>     | 2-line display<br>(1st line: 4 digits, 7 segments, 2-color red / green<br>2 lines: 6 digits, 11 Segmente, white)<br>Indicator light output 1.2: orange, with switching<br>function display An awareness |
| <b>I/O cable</b>             | with connection cable with M8-plug  |
| <b>Cable length</b>          | 3 m   |
| <b>Measuring type</b>        | Karman vortex   |
| <b>Test pressure</b>         | 1,50 MPa  |
| <b>Protection IP</b>         | IP 65   |
| <b>Media temperature</b>     | 0 °C to +90 °C (without condensate or freezing)   |
| <b>Media</b>                 | Water and ethylene glycol aqueous solution<br>(having viscosity max. 3 mPa · s [3 cP])  |
| <b>Series</b>                | PF3W  |
| <b>More information</b>      | Compact design<br>in steps of 45° rotatable display for flexible<br>installation location<br>Measuring principle: Karman vortex   |



## Description

Digital flow switch, series PF3W7, for water, compact design, 45° step rotatable display for flexible installation position, no calibration necessary, measuring principle: Karman vortex, measuring range: 0.5 to 4.0 l/min, smallest adjustment unit: 0.01 l/min, media temperature: 0 to 90 °C (no condensation and no freezing), repetition accuracy max. ±2% of the measuring range, operating temperature range 0 to 50 °C, temperature characteristic max. 5% of the measuring range (based on 25 °C), switch output PNP open collector. Display method: Display with 2 lines (1st line: 4 digits, 7 segments, 2-colour red/green  
2nd line: 6 digits, 11 segments, white), operating display output 1.2: orange, with function to switch over the display unit, approvals: CE marking, UL (CSA), RoHS, connection size G 1, weight: 860 g / 945 g (no cable / with cable), with temperature sensor

## Item

| Identification | Connecting thread | Design               | Adjustment range | adjustment unit [min] (L/min) | Measuring range   | Repeatability                     | Weight per m (kg) |
|----------------|-------------------|----------------------|------------------|-------------------------------|-------------------|-----------------------------------|-------------------|
| K- 07 50 00 43 | G 3/8             | -                    | 0,01 L/min       | 0,01                          | 0.5 bis 4.0 l/min | ±5 % from scale (benchmark 25 °C) | 0,370             |
| K- 07 50 00 47 | G 1/2             | -                    | 0,1 L/min        | 0,10                          | 2 bis 16 l/min    | ±2 % from scale (benchmark 25 °C) | 0,335             |
| K- 07 50 00 49 | G 3/4             | Separate sensor unit | 0,1 L/min        | 0,10                          | 5 bis 40 l/min    | ±2 % from scale (benchmark 25 °C) | 0,615             |
| K- 07 50 00 45 | G 1               | -                    | 1 L/min          | 1,00                          | 10 bis 100 l/min  | ±5 % from scale (benchmark 25 °C) | 0,945             |