

122

Copyright by Pepperl+Fuchs, Printed in Germany

| Technical data | |
|--|---|
| Measuring ranges Measuring ranges US - converter frequency | 0.51 m 6.01 m (entspr. S1 S8, see table) ca. 90 Hz |
| Supply Supply voltage Ripple wave Current consumption | DC 20 30 V ± 10% U _B = 33 V ≤ 90 mA |
| Output Analogue output Current Voltage Output ramp Switching output Voltage drop Switching function Switching hysteresis RS 232 - Interface Indicators Operation Fault Switching output | $\begin{array}{l} 4 \ \ 20 \ \text{mA}, \ \text{R}_c \leq 500 \ \Omega; \\ 2 \ \ 10 \ \text{V}, \ \text{R}_c \geq 1 \ \text{k}\Omega \\ \text{Automatically switching according to load} \\ \text{rising / falling programmable (S1 S8)} \\ (\text{pnp), 200 \ \text{mA} \ (k) \ \text{short circuit proof / overload proof} \\ 3 \ \text{V} \\ \text{make switch / break switch switchable (S9)} \\ \text{The switching point lies in the middle of the window selected by means of S1 S8} \\ 10\% \ \text{of the adjusted switching distance} \\ \text{existing} \\ \\ \begin{array}{c} \text{LED} \\ \text{green} \\ \text{LED} \\ \text{red, flashing 2 Hz} \\ \text{LED} \\ \text{yellow} \end{array}$ |
| Environmental conditions Temperature | -10 °C +50 °C (263 K 323 K) |
| Process conditions Temperature Pressure | -10 °C +50 °C (263 K 323 K) atmospheric |
| Electrical connection | Terminal compartement, max. 2.5 mm ² , Pg 13.5 |
| Housing material | Flange DN 100, PN 6, PP (Polypropylene) |
| Protection class acc. to DIN 40 050 | IP 55 |
| Note: 1. Analogue IU-value for continuous level / rising characteristic curve (Example 1) S10 to ON S1 S4 = window limit "far" (a) / min. level MIN S5 S8 = window limit "close" (b) / max. level MAX S1 S4 > S5 S8 = rising characteristic curve (IU ramp) 2. Adjusting the switching point (example 2) S10 to ON S9 to OFF = break switch S1 S4 / S5 S8 = calculate window Switching point = middle of the window | $ \begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$ |
| A measuring system consists out of: - an ultrasonic level sensor HR-06011 and but can also be connected directly to a PLC | a display DA4/B8L or a 3-wire-transmitter repeater unit, |

Subject to reasonable modifications due to technical advances.