Order No.: HR-0431 HR-0431 Basic version (HR - 043100):0 - contactless capacitive limit value Type: detection Screw version screw fittina: probe casing: - all media: 1½" BSP PP solid or liquid, conductive or non-1½" BSP 11/2" BSP PP extended 3 conductive 11/2" BSP PTFE extended 4 - adjustable switching distance Adjustable version: adjustment tube: probe casing: -also available in an adjustable . PP stainless steel 5 PTFE 6 stainless steel version PA coated PP 7 - options: casing material, screw PTFE coated fitting, flange Installation: screw version (1 ... 4, 5th figure): - use in Ex-zone 1, 2 possible 11/2" BSP Adjustable version: - approved as part of an overspill with screw fitting: material: prevention system accord. WHG 2" BSP stainless steel 2" BSP PP 2 2" BSP PTFE with flange: material: **Function:** flange -..... steel 4 stainless steel 5 flange As the medium level rises into the electric flange field of the probe, the capacitance of the7 flange flange capacitor increases behind the active surface. the nominal diameters for flanges should be separately specified, min. DN 65 When the adjustable threshold value is special pressures, temperatures, materials and dimensions achieved, the switch is activated. The on request switching characteristics depend please indicate if to be used as part of an overspill prevention primarily on the dielectric constant ε_{e} of system. the medium. Substances containing Connection, operating elements: e.g. HR-0431.0 moisture or metal are detected at larger The indicated connection points and distances than dry or non-conductive adjustment adjustment potentiomenter can be substances. potentiomenter accessed with the terminal box top Proximity switching is easily adjustable screwed off. RΝ when using aqueous media (and media with large values of ε_{i}). **Dimensions / types:** adjustable version: Adjustment notes: screw version: (standard and extended version) The typical switching distance for aqueous media is s < 20 mm. If the i I I I I I 85 160) probe is to switch without contact to the medium, then with the medium at (min. the desired level and < 20 mm beneath the active surface, the potentiometer ГX: should be turned clockwise until the sensor switches. Switching is checked using a measuring 2" BSP ** instrument connected to the wires. 152 adjustable to max. 2000) Note: When no medium is detected 22 JY 32 using the NAMUR probe, the current 1 (Y) 50 level is \leq 1 mA. When the probe is * switched, the current level is \ge 2.2 mA. dia, 39 11/2" BSF 100 35 please specify length L if other please specify the desired length L than the standard length of 57 mm when ordering

07 date

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