Technical Specification Document

Switch for Liquids

Approvals & Certifications:





Compact Size

Durable Construction

Immune to External Vibrations

No Calibration Required

Easy Installation

Order Code

LFV Vibrating Fork Level Switch for Liquids Enclosure: HAN: Aluminum Non-Hazardous IP-66/68, HAX: Aluminum Flameproof IIa, IIb and IIc, Hxx HSN: Stainless steel, HPN: Polycarbonate (Plastic), HES: Specially designed as per customer requirement Material Temperature (T1: max 80°C, T2: max 200°C, TS: Customer specified - Special designed) Тx Sensing Surface Material (S6:SS-316, SL, SS-316L, ST: PTFE coated, SF: PFA coated, SZ: TEFZEL, Sx SH: HALAR coated, SS: Special surface) Sensor Extension Material (G4: SS-304, G6: SS-316, GL: SS-316-L, GT: PTFE coated, GF: PFA coated, Gx GZ: TEFZEL coated, GH: HALAR coated, GS: Special surface) Px Process Connection Type Process Connection Type (PFL: Flanged Type - description of flange - FL -at the end of order code) (PB1: BSP 1", PB2: BSP 1½", PB3: BSP 4", PB4: BSP 1¼", PB5: BSP ½", PB6: BSP 2") (PN1: NPT 1", PN2: NPT 1½", PN3: NPT ¾", PN4: NPT 1¼", PN5: NPT ½", PN6: NPT 2") (PT1: Triclover/Triclamp 1..11/2", PT2: Triclover/Triclamp 2")(PCS: Special Process Connection) (PS1: SMS Union 1", PS1: SMS Union 2")(PD : Dairy Coupling) Process Connection Material: Cx (C4: SS-304, C6:SS-316, CL: SS-316L, CT: PTFE coated, CF: PFA Coated, CS: Special Material) EIUD Integral Electronics with Universal supply (15-80V DC & 15-260V AC) & 1 DPDT potential-free relay output EIDP Integral Electronics with DC power supply (12-80V DC) & one short circuit safe PNP output EINL Integral Electronics for NAMUR with L-H edge output EIUSP Integral Electronics with Universal supply and 1 SPDT relay and one PNP output with DC supply Integral Electronics with Two wire AC supply for external series relay (>5mA holding current) EIAR EIDL Integral Electronics with Two wire DC supply with 8/16mA current output suitable for 4-20mA analog inputs EINH Integral Electronics for NAMUR with H-L edge output EIFS Integral Electronics Specially designed with special output Integral Electronics with Universal supply (15-80V DC & 15-260V AC) & 1 DPDT potential-free relay output ERUD with 10 meter special interconnection cable. ERFS Specially Designed Remote Electronics Insertion length (50mm to 3000mm) Lxxxx Flange type and bore size specified for ASA/ANSI/JIS/DIN/Custom FLxx

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As per IEC-60947-5-6

Technical Specification

Features

- 1. Fast Switching Response 1 sec
- 2. ¹/₂" screw mountings available
- 3. High pressure 15 bar forks
- 4. High Tempreture up-to 250°C available
- 5. Calibration-less operation
- 6. Remote electronics with std 10 meters cable length
- 7. External indication LED available
- 8. Threaded & Flanged Mountings
- 9. NAMUR (L-H / H-L) as per IEC-60947-5-6
- 10. Ingress protection : IP 68/65 (as per IS-13947)
- 11. Ex-proof (Ex d T6 IP-66 IIC)
 - Flameproof as per IS/IEC 60079-1:2007Weatherproof (IP-66) as per IS/IEC 60529:2001
 - Suitable for Gas Group : IIC
 - Suitable for Zone 1 & 2 atmospheres
- 12. Compact size
- 13. Vibration complied as per IEC 60068 part 2-6
- 14. Low power consumption

Applications

- 1. Free flowing liquids
- 2. Suitable for side as well as top mounting
- 3. Minimum and maximum failsafe field selectable
- 4. Process temperature max 200°C
- 6. Process pressure max.15 bar
- 7. Flow/no-flow detection in pipe-lines

Typical Mountings





Specifications are subject to change without prior notice

Trumen Technologies Pvt. Ltd. (an ISO 9001:2008 company)

Ensing matters

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