

Level Measurement

Point level measurement – Vibrating switches

SITRANS LVL100




Selection and Ordering data

Article No.




SITRANS LVL100

Compact vibrating level switch for use in liquid and slurry applications such as overflow, high, low, and demand applications, as well as pump protection. Ideal for use in confined spaces.

















Approvals

Without approvals  1
 Shipping approvals¹⁾  2
 Overfill protection (WHG)²⁾  3



Process temperature

Standard -40 ... +100 °C (-40 ... +212 °F)³⁾  A
 Extended -40 ... +150 °C (-40 ... +302 °F)³⁾  B
 Hygienic applications -40 ... +150 °C (-40 ... +302 °F)⁴⁾  C

Process connection

Thread G $\frac{3}{4}$ " A PN 64/316L  A 0
 Thread G $\frac{3}{4}$ " A PN 64/316L Ra < 0.8 µm  A 1
 Thread $\frac{3}{4}$ " NPT PN 64/316L  A 2
 Thread $\frac{3}{4}$ " NPT PN 64/316L Ra < 0.8 µm  A 3
 Thread G1" A PN 64/316L  A 4
 Thread G1" A PN 64/316L Ra < 0.8 µm  A 5
 Thread 1" NPT PN 64/316L  A 6
 Thread 1" NPT PN 64/316L Ra < 0.8 µm  A 7
 Tri-Clamp 1" PN 16 DIN 32676/316L Ra < 0.8 µm  A 8
 Tri-Clamp 1½" PN 16 DIN 32676/316L Ra < 0.8 µm  B 0
 Tri-Clamp 2" PN 16 DIN 32676/316L Ra < 0.8 µm  B 1
 Bolting DN25 PN 40 DIN 11851/316L Ra < 0.8 µm  B 2
 Bolting DN40 PN 40 DIN 11851/316L Ra < 0.8 µm  B 3
 Bolting DN50 PN 25 DIN 11851/316L Ra < 0.8 µm  B 4
 SMS DN38 PN 6 316L Ra < 0.8 µm  B 5
 Hygienic fitting with compression nut F40 PN 25/316L Ra < 0.8 µm  B 6





Electronics

Contactless electronic switch 20 ... 250 V AC/DC⁵⁾  1
 Transistor output PNP 10 ... 55 V DC  2



Housing

316L  1

Electrical connection/Protection

M12x1/IP67  A
 According to DIN 43650 including plug/IP65  B
 Acc. to DIN 43650 incl. plug with QuickOn connection/IP65  C
 M12x1 incl. 5 m cable/IP68 (0.2 bar)  D

- 1) Available with process temperature option A only
 2) Available with electronics option 2 only
 3) Available with process connection A0, A2, A4, and A6 only
 4) Available with process connection A1, A3, A5, and A7 ... B6 only
 5) Available with electrical connection/protection option B and C only





 We can offer shorter delivery times for configurations designated with the Quick Ship Symbol . For details see page 9/5 in the appendix.

Selection and Ordering data

Order code


Further designs

Please add "-Z" to Article No. and specify Order code(s).





Cleaning including certificate (oil, grease and silicone free)  W01
 Identification Label, foil laser marking  Y16
 Acceptance test certificate 3.1 for instrument  C12
 Acceptance test Certificate 2.2 for material EN10204  C15

Additional Operating Instructions

LVL100 (Contactless electronic switch)







• English  7ML1998-5KN01
 • French  7ML1998-5KN11
 • Spanish  7ML1998-5KN21
 • German  7ML1998-5KN31



LVL100 (Transistor PNP)

• English  7ML1998-5KP01
 • French  7ML1998-5KP11
 • Spanish  7ML1998-5KP21
 • German  7ML1998-5KP31
 This device is shipped with the Siemens Milltronics manual DVD containing the Operating Instructions library.

Spare Parts

LVL100 Threaded Welded Socket

G $\frac{3}{4}$ " A/316L with FKM Seal  7ML1930-1EE
 G1" A/316L with FKM Seal  7ML1930-1EF
 M27x1.5/316L with FKM Seal  7ML1930-1EG
 G $\frac{3}{4}$ " A/316L with EPDM Seal  7ML1930-1EH
 G1" A/316L with EPDM Seal  7ML1930-1EJ
 M27x1.5/316L with EPDM Seal  7ML1930-1EK

 We can offer shorter delivery times for configurations designated with the Quick Ship Symbol . For details see page 9/5 in the appendix.