

**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.

➤ Click on the Article No. for the online configuration in the PIA Life Cycle Portal.

**Approvals**

Without approvals

 Shipping approvals<sup>5)</sup>

 Overfill protection (WHG)<sup>1)</sup>
**Process temperature**

 Standard -40 ... +100 °C (-40 ... +212 °F)<sup>2)</sup>

 Extended -40 ... +150 °C (-40 ... +302 °F)<sup>2)</sup>

 Hygienic applications -40 ... +150 °C (-40 ... +302 °F)<sup>3)</sup>
**Process connection**

 Thread G $\frac{3}{4}$ " A PN 64/316L

 Thread G $\frac{3}{4}$ " A PN 64/316L Ra < 0.8 µm

 Thread  $\frac{3}{4}$ " NPT PN 64/316L

 Thread  $\frac{3}{4}$ " NPT PN 64/316L Ra < 0.8 µm

Thread G1" A PN 64/316L

Thread G1" A PN 64/316L Ra &lt; 0.8 µm

Thread 1" NPT PN 64/316L

Thread 1" NPT PN 64/316L Ra &lt; 0.8 µm

Tri-Clamp 1" PN 16 DIN 32676/316L Ra &lt; 0.8 µm

Tri-Clamp 1½" PN 16 DIN 32676/316L Ra &lt; 0.8 µm

Tri-Clamp 2" PN 16 DIN 32676/316L Ra &lt; 0.8 µm

Bolting DN 25 PN 40 DIN 11851/316L Ra &lt; 0.8 µm

Bolting DN 40 PN 40 DIN 11851/316L Ra &lt; 0.8 µm

Bolting DN 50 PN 25 DIN 11851/316L Ra &lt; 0.8 µm

SMS DN 38 PN 6 316L Ra &lt; 0.8 µm

Hygienic fitting with compression nut F40 PN 25/316L Ra &lt; 0.8 µm

Thread G½" (DIN 3852-A) PN 64 / 316L

Thread G½" (DIN 3852-A) PN 64 / 316L Ra &lt; 0.8 µm

Thread ½" NPT (ASME B1.20.1) PN 64/316L

Thread ½" NPT (ASME B1.20.1) PN 64/316L Ra &lt; 0.8 µm

Thread R¾" PN 64, EN 10226-1/316L

R1 Thread R1 PN 64, EN 10226-1/316L

RF Thread R1 PN 64, EN 10226-1/316L (Ra &lt; 0.8 µm)

**Electronics**

 Contactless electronic switch 20 ... 250 V AC/DC<sup>4)</sup>

Transistor output PNP 10 ... 35 V DC

**Housing**

316L

**Electrical connection/Protection**

M12 x 1/IP67

According to DIN 43650 including plug/IP65

Acc. to DIN 43650 incl. plug with QuickOn connection/IP65

M12 x 1 incl. 5 m cable/IP68 (0.2 bar)

7ML5745-

A 0

1

2

3

A

B

C

A 0

A 1

A 2

A 3

A 4

A 5

A 6

A 7

A 8

B 0

B 1

B 2

B 3

B 4

B 5

B 6

C 0

C 1

C 2

C 3

D 0

D 1

D 2

1

2

1

A

B

C

D

1) Available with Electronics option 2 only.

2) Available with process connection A0, A2, A4, A6, C0, C2, D0 and D1 only.

3) Available with process connection A1, A3, A5, and A7 ... B6, C1, C3 and D2 only.

4) Available with Electrical connection/Protection option B and C only.

5) Available with Process Temperature option A 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 EN 10204

 ◆ **C15**

3.1-Inspection Certificate for instrument with test data (EN 10204)

**C25**
**Operating Instructions**

LVL100 (Contactless electronic switch)

Article No.

• English

**7ML1998-5KN01**

• German

**7ML1998-5KN31**

LVL100 (Transistor PNP)

• English

**7ML1998-5KP01**

• German

**7ML1998-5KP31**

Note: The Operating Instructions should be ordered as a separate line on the order.

All literature is available to download for free, in a range of languages, at <http://www.siemens.com/processinstrumentation/documentation>

This device is shipped with the Siemens Level and Weighing manual DVD containing the operating instructions library.

**Spare Parts**

LVL100 Threaded Welded Socket

G¾" A/316L with FKM Seal

**7ML1930-1EE**

G1" A/316L with FKM Seal

**7ML1930-1EF**

M27 x 1.5/316L with FKM Seal

**7ML1930-1EG**

G¾" A/316L with EPDM Seal

**7ML1930-1EH**

G1" A/316L with EPDM Seal

**7ML1930-1EJ**

M27 x 1.5/316L with EPDM Seal

**7ML1930-1EK**

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