

# Level Measurement

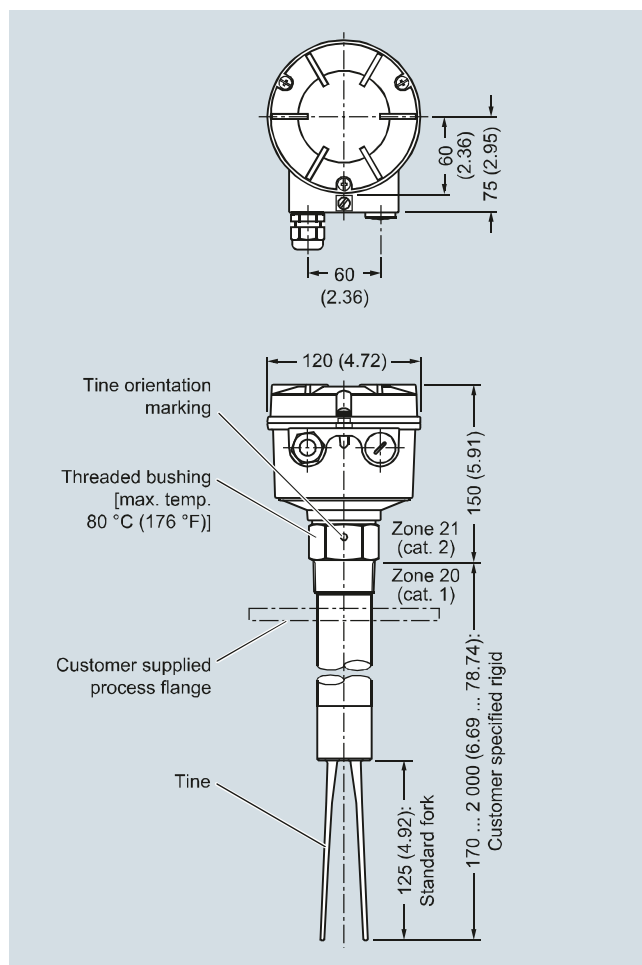
## Point level measurement – Vibrating switches

### SITRANS LVS100

Selection and Ordering data	Article No.
<b>SITRANS LVS100, standard</b> Vibrating point level switch for high or low level detection of bulk solids. Sensitivity > 30 g/l.	<b>7ML5735-</b> ■ ■ ■ ■ ■ - 0 ■ A 0
<b>Input Voltage</b> DPDT Relay - 19 ... 230 V AC, 19 ... 40 V DC DPDT Relay - 19 ... 230 V AC, 19 ... 40 V DC (stocked version) <sup>1)</sup>	1 2
<b>Process temperature</b> Up to 150 °C (302 °F)	A
<b>Process connection</b> <u>Threaded</u> R 1½" [(BSPT), EN 10226] 1¼" NPT [(Taper), ANSI/ASME B1.20.1] R 1½" [(BSPT), EN 10226] DIN 2999 thread, sliding sleeve - min. length 500 mm (19.69 inch) <sup>2)</sup> 1½" NPT [(Taper), ANSI/ASME B1.20.1], sliding sleeve [min. length 500 mm (19.69 inch)] <sup>2)</sup>	A B C D
<b>Extension length</b> <u>Stainless steel 316TI (1.4571)</u> Standard length, 170 mm (6.69 inch) <u>Add Order code Y01 and plain text:</u> "Insertion length ... mm" <u>Stainless steel 304 (1.4301)</u> • 300 ... 500 mm (11.81 ... 19.69 inch) • 501 ... 1 000 mm (19.72 ... 39.37 inch) • 1 001 ... 1 500 mm (39.41 ... 59.06 inch) • 1 501 ... 2 000 mm (59.09 ... 78.74 inch) • 2 001 ... 2 500 mm (78.78 ... 98.43 inch) • 2 501 ... 3 000 mm (98.46 ... 118.11 inch) • 3 001 ... 3 500 mm (118.15 ... 137.80 inch) • 3 501 ... 4 000 mm (137.83 ... 157.48 inch)	11 12 13 14 15 16 17 18 20
<b>Approvals</b> CSA/FM General Purpose, CE, C-TICK CSA/FM Class II, Div. 1, Group E, F, G, Class III, ATEX II 1/2 D, C-TICK IEC-Ex t IIIC Da/Db	A B C

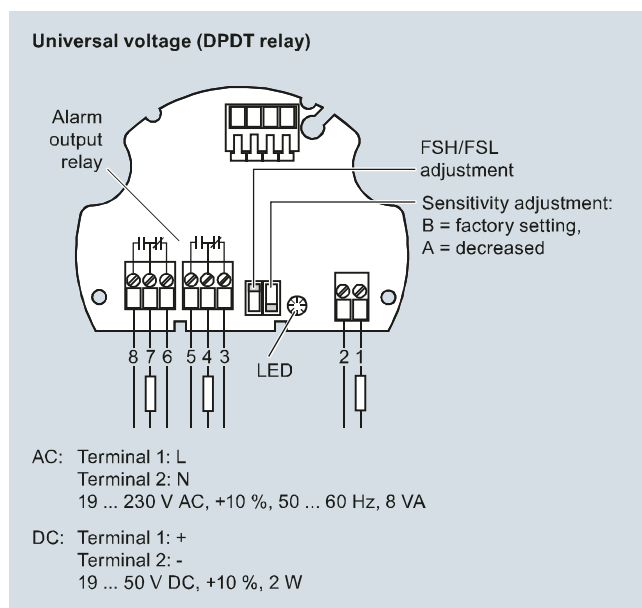
<sup>1)</sup> Only available with the following configurations 7ML5735-2AA11-0AA0 or 7ML5735-2AB11-0AA0  
<sup>2)</sup> Not available with extension length options 11, 12

### Dimensional drawings



SITRANS LVS100, dimensions in mm (inch)

### Schematics



SITRANS LVS100 connections

4

Selection and Ordering data	Order code
<b>Further Designs</b> Please add '-Z' to Article No. and specify Order code(s).	
Total insertion length: Enter the total insertion length in plain text description, max. (50 mm increments)	<b>Y01</b>
Signal bulb inserted in M20 cable gland <sup>1)</sup>	<b>A20</b>
<b>Operating Instructions</b> Multi-language This device is shipped with the Siemens Milltronics manual DVD containing the ATEX Quick Start and Operating Instructions library.	Article No. <b>7ML1998-5FT63</b>
<b>Spare Parts</b> Replacement Electronics Module LVS100 DPDT Relay (19 ... 253 V AC, 19 ... 55 V DC)	<b>7ML1830-1NS</b>
R 1½" [(BSPT), EN 10226] DIN 2999 thread, sliding sleeve	<b>7ML1830-1NT</b>
1½" NPT [(Taper), ANSI/ASME B1.20.1], sliding sleeve [min. length 500 mm (19.69 inch)]	<b>7ML1830-1NU</b>

<sup>1)</sup> Available only with approval CE

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