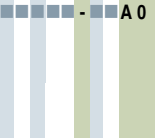


Selection and Ordering data	Article No.			
SITRANS LVS200, standard SITRANS LVS200 is a vibrating point level switch for high, low, or demand level detection of bulk solids. ➤ Click on the Article No. for the online configuration in the PIA Life Cycle Portal.	➤	7ML5731-		A 0
Power supply 19 ... 230 V AC, 19 ... 55 V DC, one relay output (SPDT) ¹⁾ 19 ... 230 V AC, 19 ... 55 V DC, two relay outputs (DPDT) ¹⁾ 18 ... 50 V DC PNP ¹⁾ 19 ... 230 V AC/DC without contact, 2-wire loop powered ¹⁾ 7 ... 9 V DC (requires NAMUR switch amplifier) NAMUR IEC 60947-5-6, 2-wire ²⁾ 8/16 mA or 4 ... 20 mA; 12.5 ... 35 V DC, 2-wire ³⁾ 19 ... 230 V AC, 19 ... 55 V DC, one relay output (SPDT) basic version ⁴⁾⁵⁾	1 2 3 4 5 6 7			
Process temperature Without temperature isolator With temperature isolator Separated enclosure - cable length 1.5 m (4.92 ft) [max. temperature process 150 °C (302 °F)/ max. temperature electronics 60 °C (140 °F)] Separated enclosure - cable length 4.0 m (13.12 ft) [max. temperature process 150 °C (302 °F)/ max. temperature electronics 60 °C (140 °F)]	►► ►► C D	A B C D		
Process connection Threaded R 1½" [(BSPT), EN 10226] 1½" NPT [(Taper), ANSI/ASME B1.20.1] G 2" [(BSPP), EN ISO 228-1], sliding sleeve [min. length 500 mm (19.69 inch)] ⁶⁾ 2" NPT [(Taper), ANSI/ASME B1.20.1], sliding sleeve [min. length 500 mm (19.69 inch)] ⁶⁾ Flanged DN 100 PN 6, EN 1092-1 ⁷⁾ DN 100 PN 16, EN 1092-1 2" ASME 150 lb B16.5 3" ASME 150 lb B16.5 4" ASME 150 lb B16.5 2" Tri-clamp (DN 50) ISO 2852	►► ►► C D E F G H J K	A B C D E F G H J K		
Extension length Stainless steel 304 (1.4301) Standard length, 235 mm (9.25 inch) Add Order code Y01 and plain text: "Insertion length ... mm" • 300 ... 500 mm (11.81 ... 19.69 inch) • 501 ... 750 mm (19.72 ... 29.53 inch) • 751 ... 1 000 mm (29.57 ... 39.37 inch) • 1 001 ... 1 250 mm (39.41 ... 49.21 inch) • 1 251 ... 1 500 mm (49.25 ... 59.06 inch) • 1 501 ... 1 750 mm (59.09 ... 68.90 inch) • 1 751 ... 2 000 mm (68.94 ... 78.74 inch) • 2 001 ... 2 250 mm (78.78 ... 88.58 inch) • 2 251 ... 2 500 mm (88.62 ... 98.43 inch) • 2 501 ... 2 750 mm (98.46 ... 108.27 inch) • 2 751 ... 3 000 mm (108.31 ... 118.11 inch) • 3 001 ... 3 250 mm (118.15 ... 127.95 inch) • 3 251 ... 3 500 mm (127.99 ... 137.80 inch) • 3 501 ... 3 750 mm (137.83 ... 147.64 inch) • 3 751 ... 4 000 mm (147.68 ... 157.48 inch)	►► 11 12 13 14 15 16 17 18 21 22 23 24 25 26 27 28			

Selection and Ordering data	Article No.			
SITRANS LVS200, standard SITRANS LVS200 is a vibrating point level switch for high, low, or demand level detection of bulk solids. <u>Stainless steel 316L (1.4404)</u> Standard length, 235 mm (9.25 inch) Add Order code Y01 and plain text: "Insertion length ... mm" 300 ... 500 mm (11.81 ... 19.69 inch) 501 ... 750 mm (19.72 ... 29.53 inch) 751 ... 1 000 mm (29.57 ... 39.37 inch) 1 001 ... 1 250 mm (39.41 ... 49.21 inch) 1 251 ... 1 500 mm (49.25 ... 59.06 inch) 1 501 ... 1 750 mm (59.09 ... 68.90 inch) 1 751 ... 2 000 mm (68.94 ... 78.74 inch) 2 001 ... 2 250 mm (78.78 ... 88.58 inch) 2 251 ... 2 500 mm (88.62 ... 98.43 inch) 2 501 ... 2 750 mm (98.46 ... 108.27 inch) 2 751 ... 3 000 mm (108.31 ... 118.11 inch) 3 001 ... 3 250 mm (118.15 ... 127.95 inch) 3 251 ... 3 500 mm (127.99 ... 137.80 inch) 3 501 ... 3 750 mm (137.83 ... 147.64 inch) 3 751 ... 4 000 mm (147.68 ... 157.48 inch)		7ML5731-		A 0
Material process connection/extension Stainless steel threads 304 (1.4301), flanges 321 (1.4541), Tri-clamp 304 (1.4301) ⁸⁾ Stainless steel 316L (1.4404) ⁹⁾	►►		1 2	
Approvals CSA/FM Dust Ignition Proof, RCM ATEX II 1/2 D, RCM CSA/FM General Purpose, RCM CE, RCM CSA/FM IS Class I, II, III Div. 1, Groups A, B, C, D, E, F, G, FM Class 1, Aex ia IIC, CSA Class 1, Ex ia IIC, RCM ATEX II 1G and 1/2G Eex ia IIC; ATEX II 1D and 1/2D, RCM IEC-Ex t IIIC Da/Db	►► ►► ► ►	A B C D E F G		
1) Available with Approval options A ... D, G only 2) Available with Approval options D, E, F only 3) Available with Approval options B, D, G only 4) Available with configurations 7ML5731-7AA11-1BA0 or 7ML5731-7AB11-1AA0 only 5) Basic version is cost effective and offers fast delivery 6) Not available with extension length options 11, 12, 31, 32 7) Max. 6 bar (87 psi) 8) Available with option extension length 11 ... 28 9) Available with option extension length 31 ... 48 ► We can offer shorter delivery times for configurations designated with the Quick Ship Symbol ►. For details see page 9/5 in the appendix. ► Available ex stock. 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).			
Total insertion length: Enter the total insertion length in plain text description, max. 4 000 mm (157.48 inch)	Y01		
Stainless steel tag [100 x 45 mm (3.94 x 1.77 inch)]: Measuring-point number/identification (max. 27 characters); specify in plain text	Y14		
Enhanced sensitivity > 5 g/l via electronics and increased insertion length of 25 mm (0.98 inch) ³⁾	K05		
Enhanced sensitivity < 5 g/l via electronics, increased insertion length of 25 mm (0.98 inch), and increased aluminum fork width ¹⁾³⁾	G01		
Signal bulb inserted in M20 cable gland ²⁾	A20		
NAMUR 8/16 mA switch amplifiers available, contact factory for pricing			
Operating Instructions		Article No.	
Multi-language This device is shipped with the Siemens Milltronics manual DVD containing the ATEX Quick Start and Operating Instructions library.		7ML1998-5FT63	
Spare Parts			
Replacement Electronics Module (125 Hz) [19 ... 230 V AC, 19 ... 55 V DC, one relay output (SPDT)]	7ML1830-1KL		
Replacement Electronics Module (125 Hz) [19 ... 230 V AC, 19 ... 55 V DC, two relay output (DPDT)]	A5E35525363		
Sliding sleeve, 2" BSP (ISO 228)	7ML1830-1JM		
Sliding sleeve, 2" NPT (ASME B1.20.1)	7ML1830-1JN		
Namur Isolator switch amplifier relay output KFD2-SR2-Ex1.W	A5E03496569		
Available ex stock			
For details see page 9/5 in the appendix.			
SITRANS LVS200, standard, power supply 7, process temperature A, process connection A, extension length 11, material process connection/extension 1, and approval B	7ML5731-7AA11-1BA0		
SITRANS LVS200, standard, power supply 7, process temperature A, process connection B, extension length 11, material process connection/extension 1, and approval A	7ML5731-7AB11-1AA0		
1) Available only with power supply 1 and Approval C, D and with Process connection flange E ... J			
2) Available with Approval option D only			
3) K05 and G01 are not available together			

Selection and Ordering data		Article No.	
SITRANS LVS200, short fork for liquids/solids interface		7ML5732-	
Vibrating point level switch for solids or solids within liquid interface applications, and high load applications with short insertion requirements			
 Click on the Article No. for the online configuration in the PIA Life Cycle Portal.			
Power supply			
19 ... 230 V AC, 19 ... 55 V DC, one relay output (SPDT)		1	
19 ... 230 V AC, 19 ... 55 V DC, two relay outputs (DPDT)		2	
18 ... 50 V DC PNP		3	
19 ... 230 V AC/DC without contact, 2-wire loop powered		4	
8/16 mA or 4 ... 20 mA; 12.5 ... 35 V DC, 2-wire ¹⁾		5	
Process temperature			
Without temperature isolator		A	
With temperature isolator		B	
Separated enclosure - cable length 1.5 m (4.92 ft) [max. temperature process 150 °C (302 °F)/ max. temperature electronics 60 °C (140 °F)]		C	
Separated enclosure - cable length 4.0 m (13.12 ft) [max. temperature process 150 °C (302 °F)/ max. temperature electronics 60 °C (140 °F)]		D	
Process connection			
<u>Threaded</u>			
R 1½" [(BSPT), EN 10226]		A	
1½" NPT [(Taper), ANSI/ASME B1.20.1]		B	
G 2" [(BSPP), EN ISO 228-1], sliding sleeve [min. length 500 mm (19.69 inch)] ²⁾		C	
2" NPT [(Taper), ANSI/ASME B1.20.1], sliding sleeve [min. length 500 mm (19.69 inch)] ²⁾		D	
<u>Flanged</u>			
DN 100 PN 6, EN 1092-1 ³⁾		E	
DN 100 PN 16, EN 1092-1		F	
2" ASME 150 lb B16.5		G	
3" ASME 150 lb B16.5		H	
4" ASME 150 lb B16.5		J	
2" Tri-clamp (DN 50) ISO 2852		K	
Extension length			
Stainless steel 304 (1.4301)			
Standard length, 165 mm (6.50 inch)		1 1	
<u>Add Order code Y01 and plain text:</u> <u>"Insertion length ... mm"</u>			
200 ... 500 mm (7.87 ... 19.69 inch)		1 2	
501 ... 750 mm (19.72 ... 29.53 inch)		1 3	
751 ... 1 000 mm (29.57 ... 39.37 inch)		1 4	
1 001 ... 1 250 mm (39.41 ... 49.21 inch)		1 5	
1 251 ... 1 500 mm (49.25 ... 59.06 inch)		1 6	
1 501 ... 1 750 mm (59.09 ... 68.90 inch)		1 7	
1 751 ... 2 000 mm (68.94 ... 78.74 inch)		1 8	
2 001 ... 2 250 mm (78.78 ... 88.58 inch)		2 1	
2 251 ... 2 500 mm (88.62 ... 98.43 inch)		2 2	
2 501 ... 2 750 mm (98.46 ... 108.27 inch)		2 3	
2 751 ... 3 000 mm (108.31 ... 118.11 inch)		2 4	
3 001 ... 3 250 mm (118.15 ... 127.95 inch)		2 5	
3 251 ... 3 500 mm (127.99 ... 137.80 inch)		2 6	
3 501 ... 3 750 mm (137.83 ... 147.64 inch)		2 7	
3 751 ... 4 000 mm (147.68 ... 157.48 inch)		2 8	

Selection and Ordering data		Article No.	
SITRANS LVS200, short fork for liquids/solids interface		7ML5732-	
Vibrating point level switch for solids or solids within liquid interface applications, and high load applications with short insertion requirements			

¹⁾ Available with Approval option B, D, E only

²⁾ Not available with extension length options 11,12, 31, 32

³⁾ Max. 6 bar (87psi)

⁴⁾ Available with option extension length 11 ... 28

⁵⁾ Available with option extension length 31 ... 48

 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	Article No.	
SITRANS LVS200, pipe extension Vibrating point level switch for high or low levels of bulk solids Extended using 1" pipe extension (customer supplied) ➤ Click on the Article No. for the online configuration in the PIA Life Cycle Portal.	7ML5733- - A 0	
Power supply 19 ... 230 V AC, 19 ... 55 V DC, one relay output (SPDT) ¹⁾ 19 ... 230 V AC, 19 ... 55 V DC, two relay outputs (DPDT) ¹⁾ 18 ... 50 V DC PNP ¹⁾ 19 ... 230 V AC/DC without contact, 2-wire loop powered ¹⁾ 7 ... 9 V DC (requires NAMUR switch amplifier) NAMUR IEC 60947-5-6, 2-wire ²⁾ 8/16 mA or 4 ... 20 mA; 12.5 ... 35 V DC, 2-wire ³⁾	1 2 3 4 5 6	
Process temperature Up to 150 °C (302 °F)	A	
Process connection Threaded R 1½" [(BSPT), EN 10226] 1½" NPT [(Taper), ANSI/ASME B1.20.1] Flanged DN 100 PN 6, EN 1092-1 ⁴⁾ DN 100 PN 16, EN 1092-1 2" ASME 150 lb B16.5 3" ASME 150 lb B16.5 4" ASME 150 lb B16.5 2" Tri-clamp (DN 50) ISO 2852	A B C D E F G K	
Process connection material Stainless steel threads 304 (1.4301), flanges 321 (1.4541), Tri-clamp 304 (1.4301) Stainless steel 316L (1.4404)	1 2	
Extension length Customer supplied 1" pipe extension Length: 300 ... 3 800 mm (11.81 ... 149.61 inch)	1	
Application type Dry bulk solids (125 Hz) Liquids/solids interface (350 Hz)	1 2	
Approvals CSA/FM Dust Ignition Proof, RCM ATEX II 1/2 D, RCM CSA/FM General Purpose, RCM CE, RCM CSA/FM IS Class I, II, III Div. 1, Groups A, B, C, D, E, F, G, FM Class 1, Aex ia IIC, CSA Class 1, Ex ia IIC, RCM ATEX II 1G and 1/2G Eex ia IIC; ATEX II 1D and 1/2D, RCM IEC-Ex t IIIC Da/Db	A B C D E F H	

1) Available with Approval options A, B, C, D, G only

2) Available with Approval options D, E and F only.
Not available for application type 2 "Liquids/solids interface".

3) Available with Approval options B, D, G only

4) Max. 6 bar (87 psi)

Selection and Ordering data	Order code
Further Designs Please add "-Z" to Article No. and specify Order code(s). Total insertion length: Enter the total insertion length in plain text description, max. 3 800 mm (149.61 inch) Stainless steel tag [100 x 45 mm (3.94 x 1.77 inch)]: Measuring-point number/identification (max. 27 characters); specify in plain text Enhanced sensitivity > 5 g/l via electronics and increased insertion length of 25 mm (0.98 inch) ⁵⁾ Enhanced sensitivity < 5 g/l via electronics, increased insertion length of 25 mm (0.98 inch) and increased aluminum fork width ¹⁾⁴⁾⁵⁾ Adjustable sensitivity (by potentiometer) for solids/liquids interface detection ²⁾³⁾⁴⁾ Signal bulb inserted in M20 cable gland ²⁾	 Y01 Y14 K05 G01 G02 A20
Operating Instructions Multi-language This device is shipped with the Siemens Milltronics manual DVD containing the ATEX Quick Start and Operating Instructions library.	Article No. 7ML1998-5FT63
Spare Parts Replacement Electronics Module (125 Hz) [19 ... 230 V AC, 19 ... 55 V DC, one relay output (SPDT)] Replacement Electronics Module (125 Hz) [19 ... 230 V AC, 19 ... 55 V DC, two relay output (DPDT)] Replacement Electronics Module (350 Hz) [19 ... 230 V AC, 19 ... 55 V DC, one relay output (SPDT)] Isolated switch amplifier relay output KFD2-SR2-Ex1.W	7ML1830-1KL A5E35525363 7ML1830-1KM A5E03496569

1) Available only with power supply 1 and Approvals C, D and with Process connection flange C ... G

2) Available with approval options D only

3) Available with power supply option 1 only and application type 2

4) Not available with option K05

5) Available with Application type 1 only

Selection and Ordering data	Article No.
SITRANS LVS200, cable extended Vibrating point level switch for high or low level detection of bulk solids materials ➤ Click on the Article No. for the online configuration in the PLI Life Cycle Portal.	7ML5734-  A 0
Power supply 19 ... 230 V AC, 19 ... 55 V DC, one relay output (SPDT) ¹⁾ 19 ... 230 V AC, 19 ... 55 V DC, two relay outputs (DPDT) ¹⁾ 18 ... 50 V DC PNP ¹⁾ 19 ... 230 V AC/DC without contact, 2-wire loop powered ¹⁾ 7 ... 9 V DC (requires NAMUR switch amplifier) NAMUR IEC 60947-5-6, 2-wire ²⁾ 8/16 mA or 4 ... 20 mA; 12.5 ... 35 V DC, 2-wire ³⁾	1 2 3 4 5 6
Process temperature Up to 80 °C (176 °F)	A
Process connection <u>Threaded</u> R 1½" [(BSPT), EN 10226] (1.4301/304) 1½" NPT [(Taper), ANSI/ASME B1.20.1] (1.4301/304) <u>Flanged</u> DN 100 PN 6, EN 1092-1 (1.4541/321) ⁴⁾ DN 100 PN 16, EN 1092-1 (1.4541/321) 2" ASME 150 lb B16.5 (1.4541/321) 3" ASME 150 lb B16.5 (1.4541/321) 4" ASME 150 lb B16.5 (1.4541/321)	A B C D E F G
Extension length 750 ... 1 000 mm (29.5 ... 39.4 inch) [max. length 20 000 mm (787.4 inch), not with Power supply option 5 (max. 10 000 mm, 393.7 inch)] Add Order code Y01 and plain text: <u>"Insertion length ... mm"</u> 1 001 ... 2 000 mm (39.41 ... 78.74 inch) 2 001 ... 3 000 mm (78.78 ... 118.11 inch) 3 001 ... 4 000 mm (118.15 ... 157.48 inch) 4 001 ... 5 000 mm (157.52 ... 196.85 inch) 5 001 ... 6 000 mm (196.89 ... 236.22 inch) 6 001 ... 7 000 mm (236.26 ... 275.59 inch) 7 001 ... 8 000 mm (275.63 ... 314.96 inch) ⁵⁾ 8 001 ... 9 000 mm (315 ... 354.33 inch) ⁵⁾ 9 001 ... 10 000 mm (354.37 ... 393.70 inch) ⁵⁾ 10 001 ... 11 000 mm (393.74 ... 433.07 inch) ⁵⁾⁶⁾ 11 001 ... 12 000 mm (433.11 ... 472.44 inch) ⁵⁾⁶⁾ 12 001 ... 13 000 mm (472.48 ... 511.81 inch) ⁵⁾⁶⁾ 13 001 ... 14 000 mm (511.85 ... 551.18 inch) ⁵⁾⁶⁾ 14 001 ... 15 000 mm (551.22 ... 590.55 inch) ⁵⁾⁶⁾ 15 001 ... 16 000 mm (590.59 ... 629.92 inch) ⁵⁾⁶⁾ 16 001 ... 17 000 mm (629.96 ... 669.29 inch) ⁵⁾⁶⁾ 17 001 ... 18 000 mm (669.33 ... 708.66 inch) ⁵⁾⁶⁾ 18 001 ... 19 000 mm (708.70 ... 748.03 inch) ⁵⁾⁶⁾ 19 001 ... 20 000 mm (748.07 ... 787.40 inch) ⁵⁾⁶⁾	1 0 1 1 1 2 1 3 1 4 1 5 1 6 1 7 1 8 2 0 2 1 2 2 2 3 2 4 2 5 2 6 2 7 2 8 3 0 3 1
Application type Dry bulk solids (125 Hz) Liquid/solids interface (350 Hz) ⁷⁾	1 2

Selection and Ordering data	Article No.
SITRANS LVS200, cable extended Vibrating point level switch for high or low level detection of bulk solids materials	7ML5734-  A 0
Approvals CSA/FM Dust Ignition Proof, RCM ATEX II 1/2 D, RCM CSA/FM General Purpose, RCM CE, RCM CSA/FM IS Class I, II, III Div. 1, Groups A, B, C, D, E, F, G, FM Class 1, Aex ia IIC, CSA Class 1, Ex ia IIC, RCM ATEX II 1G and 1/2G Eex ia IIC; ATEX II 1D and 1/2D, RCM ⁶⁾ IEC-Ex t IIC Da/Db	A B C D E F G
1) Available with Approval options A, B, C, D, G only 2) Available with Approval option D, E and F only. Not available for application type 2 "Liquids/solids interface". 3) Available with Approval option D only 4) Max. 6 bar (87 psi) 5) Not available with application type option 2 6) Not available with Power supply option 5 7) Cable length is limited to 7 000 mm (275.59 inch).	
Selection and Ordering data	Order code
Further Designs Please add "-Z" to Article No. and specify Order code(s). Enter the total insertion length in plain text description, max. 20 000 mm (787.40 inch) Stainless steel tag [100 x 45 mm (3.94 x 1.77 inch)]: Measuring-point number/identification (max. 27 characters); specify in plain text Enhanced sensitivity > 5 g/l via electronics and increased insertion length of 25 mm (0.98 inch) Enhanced sensitivity < 5 g/l via electronics and increased insertion length of 25 mm (0.98 inch) and increased aluminum fork width ¹⁾ Signal bulb inserted in M20 cable gland ²⁾	Y01 Y14 K05 G01 A20
Operating Instructions Multi-language This device is shipped with the Siemens Milltronics manual DVD containing the ATEX Quick Start and Operating Instructions library.	Article No. 7ML1998-5FT63
Spare Parts Replacement Electronics Module (125 Hz) [19 ... 230 V AC, 19 ... 55 V DC, one relay output (SPDT)] Replacement Electronics Module (125 Hz) [19 ... 230 V AC, 19 ... 55 V DC, two relay output (DPDT)] Replacement Electronics Module (350 Hz) [19 ... 230 V AC, 19 ... 55 V DC, one relay output (SPDT)] Isolated switch amplifier relay output KFD2-SR2-Ex1.W	7ML1830-1KL A5E35525363 7ML1830-1KM A5E03496569
1) Available only with power supply 1 and Approvals C, D and with process connection flange C ... G 2) Available with Approval options C and D only	