RSL200

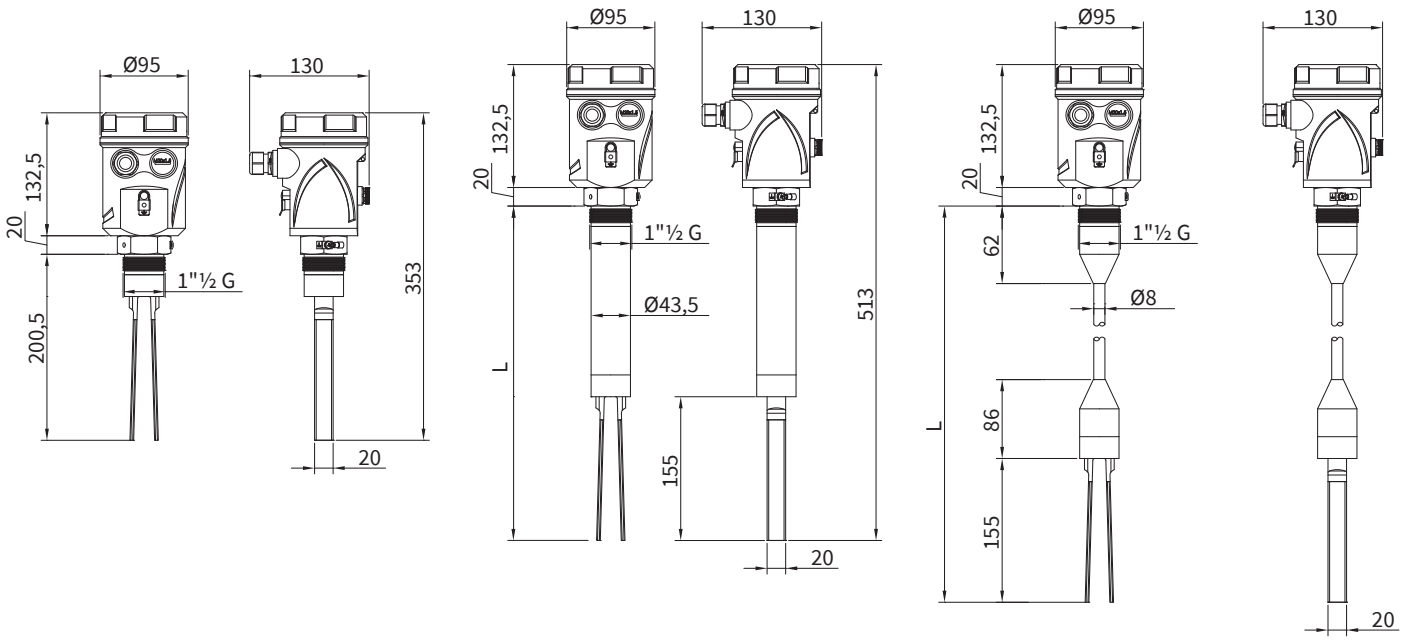
Diapason level switch

For granules and powder measurement
G1”½ Threaded connections
SPDT output relays
IP67
Universal AC/DC power supply
ATEX

RSL200 controls the level thresholds of powders or granular products using the vibrating fork method. Typical applications include the protection of overflow or product failure monitoring for flour, cereals, milk, dust, sand, cement, plastic or organic granules, polystyrene foam, etc.

Technical Feature

Power supply
85÷230Vac / 24Vdc/Vac - 36Vac
Power consumption
max. 0,5W (Vdc); max. 5 VA (Vac)
Housing material
polycarbonate or aluminum (ATEX version)
Min. product density
20g/dm3
Max. product grain size
12mm
IP rating
IP66
Cable entry
Pg13,5 or 2 x M20x1,5 (ATEX)
Terminals
max.1,5mm2 wire cross-section
Process connection
1”½ GAS SS316
Diapason, material
SS316
Housing temperature range
-20 ÷ +60 °C (ATEX)
Product temperature range
-40 ÷ +150 °C; -20 ÷ +140 °C (ATEX)
Storage temperature range
-40 ÷ +70 °C
Pressure
max. 25bar
Led display
output status detection mode
Switch mode
min. or max.
Delay time
1 o 4s
Setting selection
push buttons
Output relay
250Vac 5A max
Display
Plug-in display/keyboard 4 buttons matrix LCD
Certification
ATEX II 1/2D Ex ta/tb IIIC T 150°C Da/Db Tamb -20° ÷ +60° IP66



RSL200 Diapason level switch for granulates and powders

Process connection, G 1" 1/2 / SS316
Fork materiale: SS316
SPDT relay output
Product temperature range from -40 to 150°C
IP66/IP67 mechanical protection
0,8W or 15VA max power consumption
Relay output rating 250Vac, 2A
Setting by keyboard/display removable module VL601SGM (opt.)

	Version	
	A	Compact - Insertion length 200,5 mm (fork 155mm)
	B	Rigid extension, price each 100mm (max. 3000mm) L=.. ..mm (insertion length included)
	G	SS304 semi-flexible extension pipe. Supplied with 1m standard length Price each additional meter eur 21,20
	Z	Special
	Certification	
	0	None
	2	ATEX II 1/2D Ex ta/tb IIIC T 150°C Da/Db Tamb -20° ÷ +60°C IP66
	Housing	
	F	PC with transparent cover and osmotic filter IP67
	G	Aluminum varnished with osmotic filter IP67 (compulsory for ATEX version)
	L	PC with blind cover and osmotic filter IP67
	Power supply	
	1	85÷230Vac 50Hz
	3	24Vdc - 24÷36Vac 50Hz
	Accessories	
	A	None
	D	Removable display/programming module (VL601SGM) - necessary for the calibration
	H	DN40 PN6 AVP flange (600A016F)