CLS2

Capacitive level switch

Suitable for liquids, powders and granules
Protection IP67
ATEX certified versions
PTFE or PVC insulation

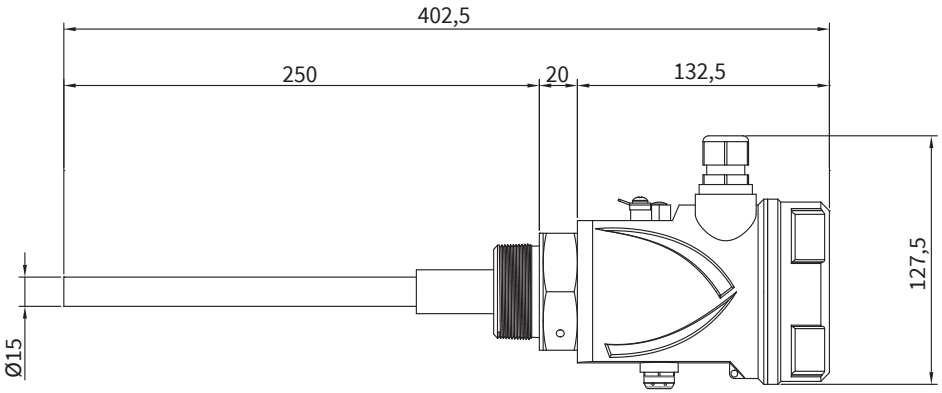
Standard capacitive units with rod or rope extension, for general industrial applications. Suitable for ON-OFF level control of granules, powders and liquids, IP66 ÷ 67 protection.

Technical Feature

Version
compact; with heat sink
Display
Plug-in display/keyboard 4 buttons matrix LCD
Process connection
threaded; flanged
IP rating
IP67

Electronics
TL41R; TL41R ATEX
Electrodes
rod partially insulated in PTFE or PVC
Standard electrode length
250mm

Extensions
with rigid rod Ø10mm AISI 316; rope Ø6mm and counterweight in carbon steel
Atex
II 1/2D Ex ia/tb IIIC T150°C Da/Db IP66 ; Tamb: -20°C ÷ 60°C



CLS2 Standard rod level switch

ON/OFF capacitive level control
Top and lateral side metallic tank-installation
Standard length: 250mm
Setting by keyboard/display removable module VL601SGM (opt.)

	Version	
	A	Without preamplifier insert
	B	Compact
	D	Compact with carbon-steel dissipator between head and connection
	E	Compact, ATEX II 1/2D Ex ia/tb IIIC T150°C Da/Db IP67 - Tamb: -20°C ÷ 60°C only with " G" housing
	F	Compact with SS316 dissipator
	Z	Special
	Electronic preamplifier	
	00	None
	43	TL41R ON-OFF, supply 85÷230Vac 50Hz, Relay output SPDT - without display
	44	TL41R ON-OFF, supply 85÷230Vac 50Hz, Relay output SPDT - with removable display
	45	TL41R ON-OFF, supply 24Vdc - 24÷36Vac 50Hz, Relay output SPDT - without display
	46	TL41R ON-OFF, supply 24Vdc - 24÷36Vac 50Hz, Relay output SPDT - with removable display
	99	Special
	Housing	
	F	PC with transparent cap and osmotic filter, IP67
	G	IP67 aluminum varnished with osmotic filter (necessary for ATEX version)
	L	PC with blind cap and osmotic filter, IP67
	Z	Special
	Process connection	
	01	G1" / Carbon-steel
	02	G1" / SS316
	11	G1"½ / Carbon steel
	12	G1"½ / SS316
	99	Special
	Electrode type and insulation	
	B	Partially PVC insulated Ø15mm Carbon-steel rod
	C	Ø15mm Carbon-steel rod with extended PVC insulation
	D	Partially PTFE insulated Ø15mm Carbon-steel rod
	H	Partially PVC insulated Ø15mm SS316 rod
	I	Ø15mm SS316 rod with extended PVC insulation
	L	Partially PTFE insulated Ø15mm SS316 rod
	Z	Special
	M10x1,5 female thread for extension	
	0	None
	1	M10x1,5 female thread on top
	Non sensitive part	
	A	None
	B	100mm, same material of process connection - only with connection code 11
	Z	Special
	Extension type	
	000	None
	400	Ø10mm SS316 rod
	700	Ø6mm carbon-steel rope + carbon-steel counterweight - only with connection code 11 Warning! For length over 3m, extra price of 31,80 EUR
	999	Special
	Extension length	
	A	Without
	B	Rigid rod Ø10mm, price each 10cm (max 3m)
	C	Carbon-steel rope Ø6mm, price each m (max 10m)
	Z	Special