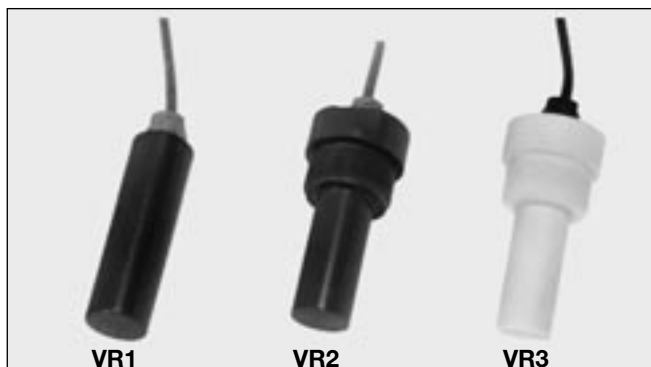


Proximity Sensors Capacitive Thermoplastic Polyester/Teflon Types VR1, VR2, VR3

CARLO GAVAZZI



- Capacitive level sensor for solids, fluids or granulated substances
- Polyester types, smooth or with 1 1/2" pipe thread
- Teflon type with 1 1/2" pipe thread for rough environments
- For use with amplifier SV 150/250 or SV 160/260

Product Description

Capacitive level sensors for solids, fluids or granulated substances.

Typical application: Level detection in agriculture environments (e.g. silos).

Ordering Key

VR 3 A

Type

Distance

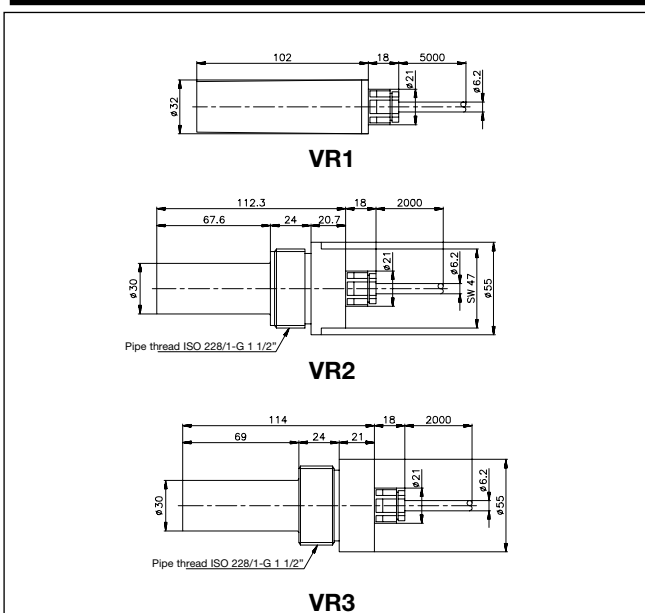
Type Selection

Nominal sensing distance	Ordering no. Polyester, smooth	Ordering no. Polyester, 1 1/2" PT	Ordering no. Teflon, 1 1/2" PT
8 mm	VR 1A	VR 2A	VR 3A
15 mm	VR 1B	VR 2B	

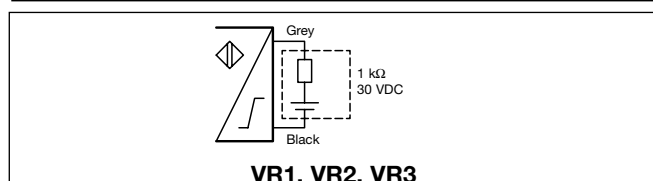
Specifications

Power supply	20-30 VDC, 1 kΩ
Consumption	
Active	Min. 1.5 mA, max. 5.0 mA
Inactive	Min. 8.5 mA, max. 26.0 mA
Housing material	
VR1, VR2	Thermoplastic polyester
VR3	Teflon
Operating frequency	20 Hz
Environment	
Degree of protection	IP 67
Operating temperature	-25° to +70°C (+32° to +158°F)
Storage temperature	-30° to +80°C (-22° to +176°F)
Indication for output ON	No
Connection	
VR1	Cable (PVC), 5 m
VR2, VR3	Cable (PVC), 2 m
Pressure	
VR2, VR3	10 bar at 80°C
Pipe thread	
VR2, VR3	1 1/2"

Dimensions



Wiring Diagram



Amplifier

- > SV150/250
- > SV160/260