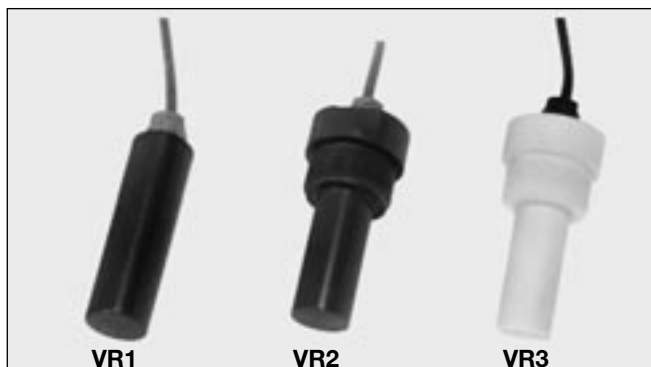


# Proximity Sensors Capacitive Thermoplastic Polyester/Teflon Types VR1, VR2, VR3

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- 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 \_\_\_\_\_

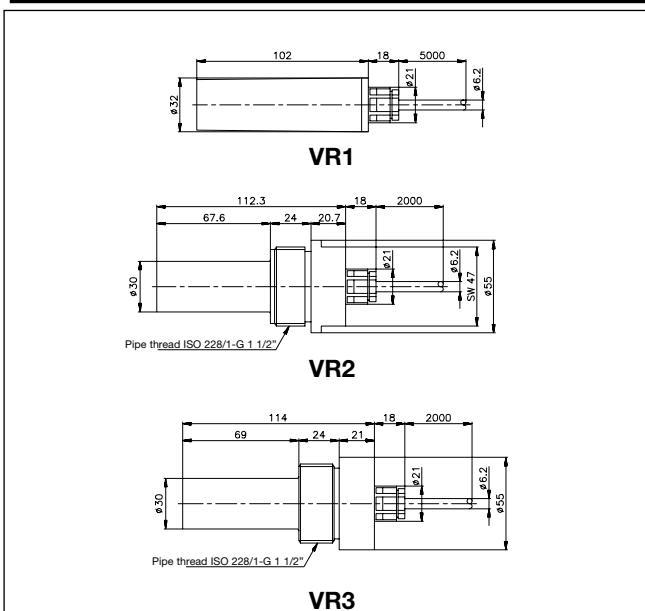
## Type Selection

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	

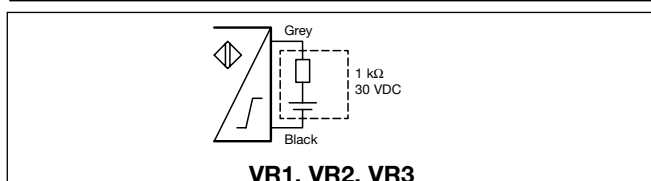
## Specifications

<b>Power supply</b>	20-30 VDC, 1 kΩ
<b>Consumption</b>	
Active	Min. 1.5 mA, max. 5.0 mA
Inactive	Min. 8.5 mA, max. 26.0 mA
<b>Housing material</b>	
VR1, VR2	Thermoplastic polyester
VR3	Teflon
<b>Operating frequency</b>	20 Hz
<b>Environment</b>	
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)
<b>Indication for output ON</b>	No
<b>Connection</b>	
VR1	Cable (PVC), 5 m
VR2, VR3	Cable (PVC), 2 m
<b>Pressure</b>	
VR2, VR3	10 bar at 80°C
<b>Pipe thread</b>	
VR2, VR3	1 1/2"

## Dimensions



## Wiring Diagram



## Amplifier

- > SV150/250
- > SV160/260