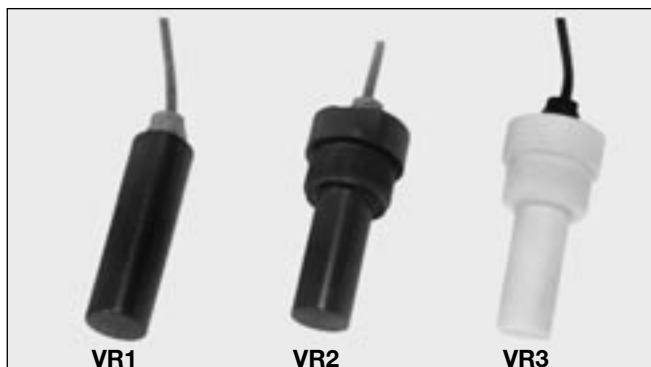


Proximity Sensors Capacitive Thermoplastic Polyester/Teflon Types VR1, VR2, VR3



- 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 _____

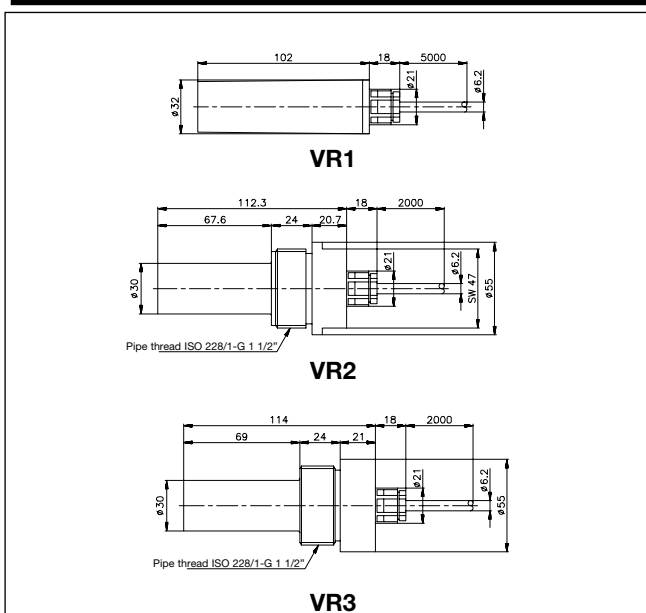
Type Selection

| 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 | |

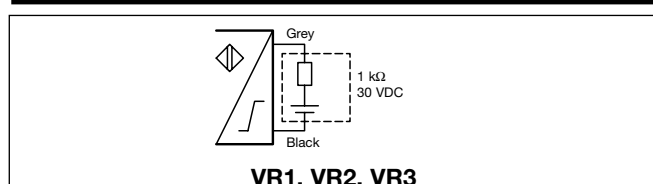
Specifications

| | |
|---------------------------------|--------------------------------|
| 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