

- Pressure-resistant up to 25 bar
- Medium temperature to 250°C
- Density: > 0.7 g/cm³
- High switch capacity
- Explosion-protected design
- Approval by "German Lloyds"
- Connection: square flange
- Material: stainless steel



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Model:
NGS...

Method of Operation

As the level rises and falls the inclination of the float is changed causing a permanent magnet in the float to be deflected which in turn repels a rotatable opposing magnet. This forced snap-action-contact effect operates a micro-switch with a plunger. Even very small changes in level can be switched in this way.

Special advantages

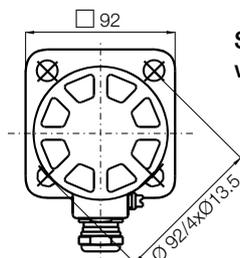
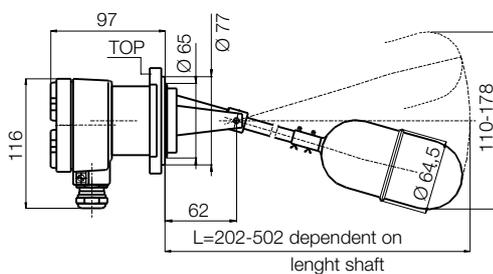
- Secure and wear-free sensitive switching by repelling magnets
- High switch capacity to 10 A with microswitch
- Very rugged for tough environment
- No regular maintenance necessary
- Medium temperature to 250°C
- Wetted parts made of high-quality stainless steel
- No auxiliary power necessary

Application

Control and monitoring liquid levels in open and closed vessels, especially:

- Min. or Max. monitoring of liquid levels
- Monitoring and controlling a continuous liquid level
- when only side installation is possible due to lack of space or considerations of cost
- when a very rugged monitoring device is needed for tough environment
- when service in hazardous areas or shipbuilding approval is required.

Dimensions

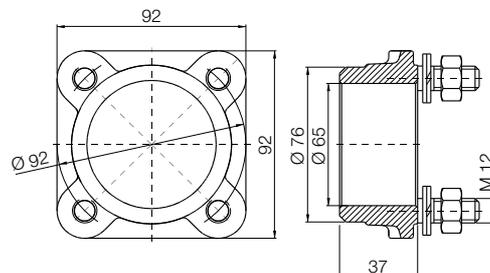


Switching module with square

Technical Details

- Nominal pressure: 25 bar
- Medium temperature: -20°C to +250°C
- Ambient temperature: -20°C to +80°C
- Density: > 0.7 g/cm³
- Installation position: horizontal
- Immersion length: 202 mm
- Total deflection: 118 mm
- Differential gap: fixed (above/below switch point 13/13mm)
- Wetted parts: stainless steel 1.4571
- Switch housing: aluminium casting
- Mech. connection: square flange with PCD Ø 92mm
- Switching element: 1 microswitch, changeover function
- Switch capacity: 250 VAC/10 A or 220 VDC/0.6 A
for ex operation: 250 VAC/2.5 A or 220 VDC/0.3 A
- Electrical connection: gland conduit thread 13.5
- Protection: IP 65
- Certificates: Cenelec, German Lloyds
- Type of protection: EEx dme II C T4 - T6
- Weight: approximately 2.5 kg

Accessories: counter flange



Order Details

Model	Description
NGS-2100	Standard version
NGS-2100 Ex	Ex design
NGS-MFF1	Accessories: counter flange steel 1.7281
NGS-MFF2	Accessories: counter flange st. steel 1.4404