

NMF LEVEL SWITCH FOR DRY BULK MATERIALS



Flow
Pressure
Level
Temperature
measurement
monitoring
control

N1

- **Handles a Wide Range of Dry Bulk Goods**
- **Mechanically Actuated MicroSwitch®
- Requires No Power to Operate**
- **Economical**
- **Temperatures to 300°F**
- **Easy to install**
- **For Thick or Thin Walled Containers**



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Model:
NMF



KOBOLD NMF membrane level switches allow monitoring of dry bulk goods in storage vessels. They may be used to indicate full and empty conditions or load demand for powder-like and granular bulk materials. Any free flowing material with a grain size up to 30 mm (1.2 inches) and density ranging from 26-220lb/ft³ is suitable for use with the NMF.

The NMF is a simple pressure sensitive switch with pressure transmitted to an internal sensor via an elastomer, or thin metal, membrane. Operation is simple and reliable provided that the material is not sharp edged or that the membrane is not placed directly in the bulk flow stream. However, even these situations can be accommodated with a little simple mechanical shielding.

America! Bring us your oats, your grain, your tired tapioca! The KOBOLD NMF is ready for all your dry good needs!



Specifications

- Installation:** Vertical
- Mounting:** Via supplied ring flange
- Dry Bulk Material Specification**
 - Density:** 26-220lb/ft³
 - Grain Size:** < 30 mm (1.2")
- Time Delay:** None
- Switch Ratings**
 - NMF-B:** 10 A @ 250 VAC
 - All Others:** 6 A @ 250 VAC

KOBOLD NMF Bulk Material Level Switch

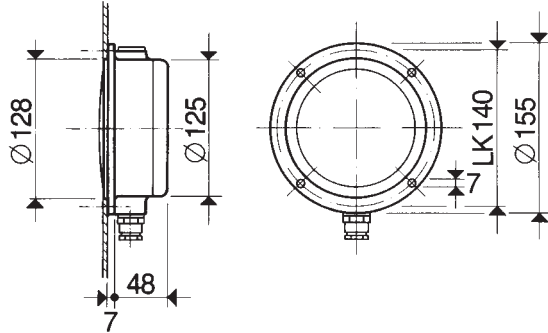
NMF Ordering Information

Model	Membrane Material	Mounting Ring Material		
		Galvanized Steel	Stainless Steel	Aluminum
NMF-E	Neoprene	NMF-ENN	NMF-ENE	—
	Viton	NMF-EVN	NMF-EVE	—
NMF-F	Neoprene	NMF-FNN	NMF-FNE	—
	Viton	NMF-FVN	NMF-FVE	—
NMF-D	Neoprene	NMF-DNN	NMF-DNE	—
	Viton	NMF-DVN	NMF-DVE	—
NMF-B	Neoprene	—	—	NMF-BNA
	Viton	—	—	NMF-BVA
	Stainless Steel	—	—	NMF-BEA

ABC's of NMF Uses

- Aluminum
- Bauxite
- Corn
- Dolomite
- Earth
- Fertilizer
- Gravel
- Hazelnuts
- Insulation
- Jersey Potatoes
- Kernels
- Leeks
- Macaroni
- Nuts
- Oats
- Perlite
- Quartz Sand
- Rice
- Sand
- Tapioca
- Uric Acid Granules
- Vegetables
- Wheat
- X-Types of Grain
- Yeast
- Zerolite

NMF-E Standard Switch - Most Economical



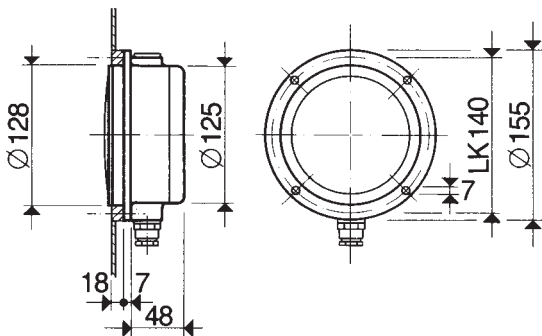
Materials of Construction

- Membrane:** Neoprene or Viton®
- Mounting Ring:** Galvanized or stainless steel
- Housing:** Fiberglass reinforced plastic
- Temperature Range:** 0°F to 175°F
- Protection:** NEMA 1
- Weight:** 1.1 lbs



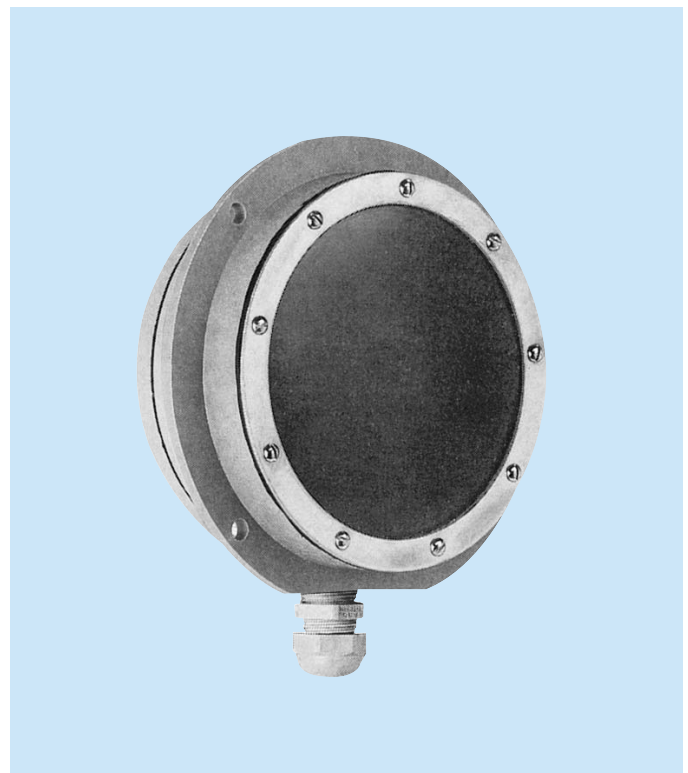
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NMF-F Switch for Thick-Walled Containers

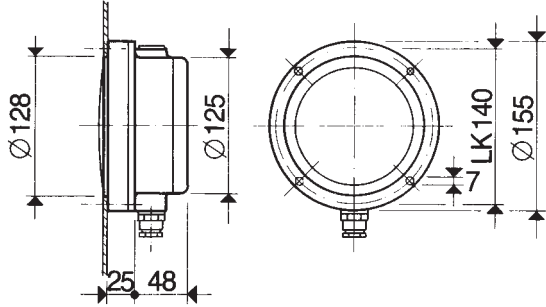


Materials of Construction

- Membrane:** Neoprene or Viton®
- Mounting Ring:** Galvanized or stainless steel
- Housing:** Fiberglass reinforced plastic
- Temperature Range:** 0°F to 175°F
- Protection:** NEMA 1
- Weight:** 1.2 lbs



NMF-D Double Membrane Switch

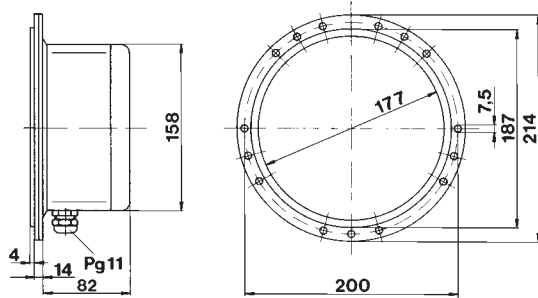


Materials of Construction

- Membrane:** Neoprene or Viton®
- Mounting Ring:** Galvanized or stainless steel
- Housing:** Fiberglass reinforced plastic
- Temperature Range:** 0°F to 175°F
- Protection:** NEMA 4 (cable gland down)
- Weight:** 1.7 lbs



NMF-B High Temperature Switch



Materials of Construction

- Membrane:** Neoprene, Viton® or stainless steel
- Mounting Ring:** Cast aluminum
- Housing:** Cast aluminum
- Temperature Range:** 0°F to 300°F
- Protection:** NEMA 1
- Weight:** 3.8 lbs

