

MDK40 Density Switch



Description

MDK40 Density Switches are used to monitor the density of SF₆ gas in sealed tanks, and can be widely used in medium voltage switchgear and RMU. They're suitable for outdoor harsh environments.

They can provide multiple solutions to support new substations and the renovation and smart upgrading of existing substations.



MDK40 Density Switch

Features

- Temperature compensation ensures higher set point accuracy.
- Can provide up to three sets of microswitch contacts allowing instant and accurate switching.
- High shock resistance.
- Normally closed contacts will not set a false alarm due to vibration.

Application

- SF₆ Gas Insulated RMU
- SF₆ Gas Insulated Switchgear

Options

- Different measuring ranges
- Wide temperature range
- Measuring medium: SF₆, Air, N₂, SF₆+N₂ and other gases

Technical Parameters

Measuring range	0 ~ 3 bar abs. (customizable)
Accuracy of set point	±2.0% @ -30 ° C ~ +50 ° C
Degree of protection	IP42
Ambient conditions	-25° C ~ +60° C, relative humidity ≤ 95%RH
Leakage rate	≤ 1 x 10 ⁻⁹ Pa · m ³ /s(helium leakage inspection)
Process connection	G1/4 (customizable)
Installation method	Axial
Electrical connection	Plug-in connection cable size: 0.2mm ² to 2.5mm ²
Insulation properties	Insulation resistance: >100 MΩ (DC 500V) Withstand voltage: 2kV, 50/60 Hz, 1min
Contact type	Micro switch
Impact rating	30g
Contact electrical parameters	30W/50VA, 1A (upper limit) 220VDC/380V 50/60Hz (upper limit)
Weight	0.3kg
Pressure element	Bellow

Dimensions

