

iDOL 46 ATEX Capacitive Sensor

An ATEX approved capacitive proximity sensor designed for potentially explosive dust atmospheres.

iDOL 46 ATEX capacitive/proximity sensor is a 30 mm ATEX approved feed sensor designed for general detection of feed, grain, and solids.

For Potentially Explosive Dust Atmospheres

The iDOL 46 ATEX sensor is approved according to ATEX directive 2014/34/ EU and IECEx for operation in potentially explosive dust atmospheres. The sensor is classified for explosion group II, which concerns all remaining risk areas but mines.

iDOL 46 ATEX is classified as equipment for use in atmospheres with continuous presence of explosive dust with an ignition temperature above 85 oC.

The ATEX approval makes the sensor suitable for installations where dust poses an imminent explosion risk classified according to Zone 20 and 21.

iDOL 46 ATEX sensor has a robust design with plastic housing with 7 joule shock/impact test.

A Flexible Sensor with Easy Adjustment

Using the user-friendly SmartAdjust app on your smartphone allows you to easily adjust the sensing distance, ON and/or OFF delay, and MaxRunTimer.

The SmartAdjust app allows for more parameters to be available for the user, compared to a traditional capacitive sensor. The result is a more flexible sensor, which can be adapted to the individual need of the user.

Benefits

- Flexible sensor
- Easy adjustment
- Easily mounted
- Reliable sensor with long life time

Advantages

- Approved according to ATEX directive 2014/34/ EU and IECEx for operation in potentially explosive dust atmospheres
- LED indicators for sensor status and power on
- IP 69k protection
- UL approved

