

Grounding Control Device EKX-4

NEW

For Controlled Grounding of Tank Trucks, Railway Tank Wagons, Containers and Barrels

New Generation Grounding Control for Use in Gas and combustible Dust in hazardous areas

When loading fuels or other non-conducting inflammable hydrocarbons into or from fuel-carrying vehicles it is absolutely necessary to ground tank trucks and wagons in a safe way to divert the electrostatic charges and to prevent a possible generation of sparks by an unintentional discharge which may cause an explosion.

The new Grounding Control Device EKX-4 is designed to carry out a controlled grounding connection to the object while loading fuel into tank trucks, railway tank wagons, containers or transport barrels. It guarantees loading only in case of a sufficient low impedance grounding connection to the object. As soon as a correct grounding is confirmed, the signal lights and the potential-free control outputs are switched over to release. If the grounding connection is interrupted, the device switches immediately back into the safe status.

The new Grounding Control Device EKX-4 will be certified soon in accordance with the latest European explosion prevention directives 94/9/E.C. (ATEX 95) for operation in hazardous areas of zone 1.

NEW +++ EKX-4
 Grounding Control Device for
 gas and dust applications



Features and improvements

- Only one grounding system required for different applications. Functions 'tank truck' as well as 'oil tank rail wagon' programmable via internal selection switch. Additionally the range can be easily adjusted to the individual requirements at site.
- Improved restriction against individual manipulation at the filling station.
- Complies with the latest EMC- and ATEX-Standards.
- EKX-4 now is also applicable to potential hazardous environments in presence of combustible dust.
- Grounding cable with a length of up to 20 meters now can be attached to our new grounding device EKX-4.
- Constantly self-monitored redundant output-signals. One additional spare output-signal.
- Namur-compatible Ex I output-signal, which can be selected "static" or "dynamic", to create a pulsing signal, if required.
- Auto-diagnosis of all safety-related functions to provide error-proof reliability.
- Bright multi-color LED-display to show functional status during filling as well as more displayable functionalities for quicker failure-diagnosis.
- Higher resistance of grounding device case against aggressive environmental influences through special coating.

Accessories



Cable-Reel
 Spring-actuated and
 designed without
 slings



Grounding Clamp
 Durable and available in
 two different versions



**Coiled Grounding
 Cable EWK22-16**
 The economical
 alternative to the
 cable-reel