



Securiterre 640

Application

Designed to prevent static accumulation and discharge during multi-sector tanker loading & unloading :

- ◆ To control, ensure and maintain the grounding path between a loading/unloading plant and any mobile tank during all time of operation
- ◆ To monitor continuously the static earth path : Any opening of the grounding path must cause the immediate stop of fuel transfer via an electromechanical relay
- ◆ To carry out a unique tanker verification when connected
- ◆ For petrochemical & chemical industries, refineries & gas terminals,
- ◆ For truck / rail / ship / barrels tank

Advantages

- ◆ Secure : Full security with double check-point (continuous monitoring & unique tanker verification)
- ◆ Permissivity only when the double security conditions OK, to avoid operator error
- ◆ Intuitive : Light to confirm the tanker/earth condition to the operator
- ◆ Plug & play : easy connection with bronze grounding clamp & coiled cable & cable gland (extension to 15m)
- ◆ Binary : if ON, the internal voltage free switch contacts may be interlocked with tanker-loading systems, pumps, valves, alarms ...If OFF, the circuit is grounded through a large resistance to reduce sparking hazard

Certifications

CE UE Type examination certificate LCIE 05 6001 X

EX : ATEX II 2(1)/1 GD

LVD (low voltage directive)

IP 66





- ❶ Securiterre grounding unit
- ❷ Coiled cable
- ❸ Grounding clamp

LED'S INDICATION	STATE	CONDITIONS FOR REACHING THE STATE
Yellow	Rest	The clamp is in rest position
Red	Idle	The clamp is removed from rest pin
Yellow	Detected	The calibration process is in progress
Yellow + Green	Prepare loading	The calibration process is finished
Green	Loading	Safe situation

Step 1

Ground cleaning around the truck

Step 2

Switch on the tool whilst connecting the clamp to earth

Step 3

Monitor the light

Step 4

Switch off whilst unconnecting the clamp

TECHNICAL SPECIFICATIONS

◆ Enclosure

Body : aluminium, RAL 7000 - painted
Sealing : IP66, waterproof, fully O-ring sealed
Mounting : 4 lugs with 8 mm diameter holes
Weight : 6 kg (4,3kg for grounding unit)
Cable entry : for cable 7 to 12 mm diameter
Temperature range : -20 to +55°C

◆ Power requirements

Main supply : 185V to 240V (50Hz / 60Hz)
Power consumption : <5 VA

◆ Relay outputs

Rest position relay : one, SPDT, 220V/5A non-inductive load
Auxiliary relay : two, DPDT, 220V/5A non-inductive load

◆ Indication

Signaling LED's : red, yellow, green, good visibility to 45° angles
Brine magnet : forces manual release (truck version)

◆ Accessories

ATEX Coiled cable for truck version + break-release & clamp
 ATEX Cable dispenser for truck version + break-release & clamp
 ATEX Cable dispenser for train version + break-release & clamp

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