



Dual Mode Security.

Designed to prevent static accumulation and discharge during tanker loading and off-loading, the Securiterre ensures correct bonding and grounding procedures before product transfer.

The Securiterre continuously monitors the static earth path and carries out a unique “tanker verification” when connected. Only when these two conditions are within correct parameters the system becomes permissive, thereby eliminating the potential for operator error. Local indicator lights confirm the tanker/earth

condition to the operator, whilst the internal voltage free switch contacts may be interlocked with tanker-loading systems, pumps, valves, alarms, etc. When not connected to the rest plug or tanker the circuit is grounded through a large resistance to reduce the hazard of sparking.

Technical specifications

Enclosure	
Material:	Aluminium, painted grey
Sealing:	IP66 (NEMA 4x) weatherproof, fully O-ring sealed.
Mounting:	Two lugs with 10 mm diameter holes.
Weight:	6 kg
Cable entries:	3x M20 x 1,5
Temperature range	-20 to +55 °C
Power requirements	
Mains supply	110 - 240 Vac +/-10%, 50/60 Hz
Power consumption:	< 10 VA
Relay outputs	
Rest position relay:	one, SPDT, 250V/5A non-inductive load
Auxiliary relay:	two, DPDT, 250V/5A non-inductive load
Indication	
Signalling led's	red, yellow, green, good visibility to 45-degree angles
Brine magnet	forces manual release
Communications	RS-232 RS-422
Approvals	
ATEX	II 2 (1) / 1 G D EEx d [ia] ia IIC T6, IP6x T+85°C

Identification code

Pos 1 Application											
U	General purpose										
Pos 2 Output											
A	With Signal Lights and 2 DPDT contacts										
Pos 3 Application											
B	Barrels and drums										
S	Ships and barges (without cathodic protection)										
T	Truck (including brine magnet)										
W	Train wagon										
Pos 4											
*	Not used										
Pos 5, 6, 7 Instrument designation											
6	4	0	Securiterre								
Pos 8 Cable options											
C	Coiled cable max. extended length = 15 metres										
D	2 meter cable (for "Securistore" use)										
Pos 9 Mains supply											
A	110 - 240 Vac 50/60 Hz										
Pos 10 Approval											
A	ATEX										
Pos 11 Communication											
*	Option not used										
U	A	T	*	6	4	0	C	A	A	*	Typical identification code
U	A		*	6	4	0		A	A	*	Your identification code

Accessories

Securistore	Part number
Truck version - ATEX approved cable dispenser with break-release and grounding clamp	1640871
Train version - ATEX approved cable dispenser without break-release and grounding clamp	1640881

Unique grounding Safety Procedure

State	Action	LED Activated	Status Securiterre
I	Clamp in rest position	Yellow	Rest position
II	Clamp in hand	Red	Rest position
III	Clamp on truck. R/C in range (or magnet). Wait 1 to 2 seconds.	Yellow	Release for Loading
IV	Activate relay, grounding in progress / Check on relay resistance	Green	Release for Loading
		Yellow	Ground circuit check.
V	Okay	Green	Authorise Loading
VI	Clamp not on truck	Red	No proper ground

Installations



Securiterre

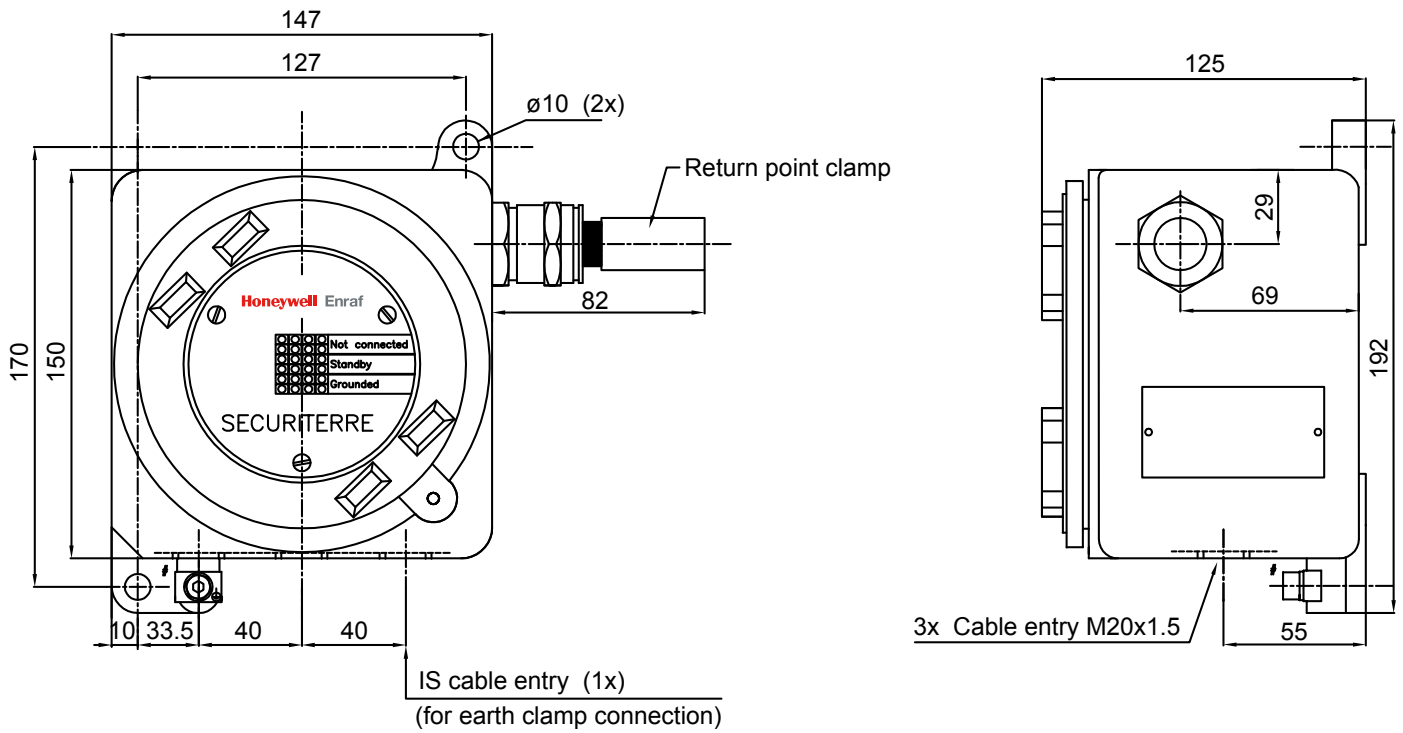
Basic grounding system

- Electronics in Ex-proof housing
- Bronze grounding clamp
- Coiled blue cable + cable gland and strain relief, extends to 15 meters

Applications

- Petrochemical industries
- Refineries
- Truck Loading terminals
- Rail Tanker terminals
- Gas terminals
- Aircraft refuelling systems
- Harbour Bunker facilities
- Chemical industries

Dimensional drawing



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New number???

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