



## TAIS-EX: BULK TERMINALS

### RISK PROFILE:

- Extreme temperature variations and max temperature up to +50°C
- LNG terminals with explosive gas
- Cereal silos with explosive dust
- Risk of exposure to dust and water
- Risk of exposure to flame
- Frequent maintenance and replacement
- Safety risk in dangerous areas
- Corrosion risk due to saline atmosphere

### PALAZZOLI SOLUTION:

- Working temperature with solutions up to +75°C
- Solutions certified for zone 1-2 (Gas)
- Solutions certified for zone 21-22 (Dust)
- Ingress protection of IP66
- V0 flammability rating  
Self-extinguishing grade (as per UL94)
- Extremely long lifetime
- Product is fully certified in compliance with the Directive 2014/34/EU
- Antistatic thermosetting (GRP)

**APPROVED**  
**by Leading Authorities**



## TAIS-EX - ATEX Series

Solutions for explosive atmospheres designed and manufactured in order to avoid the risk of ignition. Palazzoli products can be installed in zone 1-2 and 21-22 - thanks to the certifications issued by the notified body.



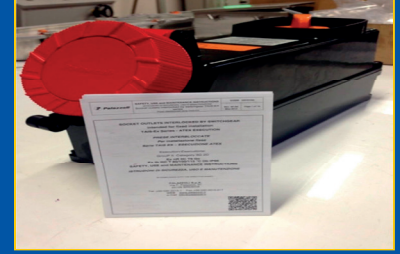
### Certified quality

Each equipment is **approved and certified** by a notified body in compliance with the Directive 2014/34/EU which **guarantees the conformity for installation in hazardous areas**.



### Tested quality

Each ATEX enclosure is tested in **compliance with EN 60079-0 standards** such as operating temperature, thermal endurance test, impact test, IPXX protection rating test, and test on specific methods of protection.



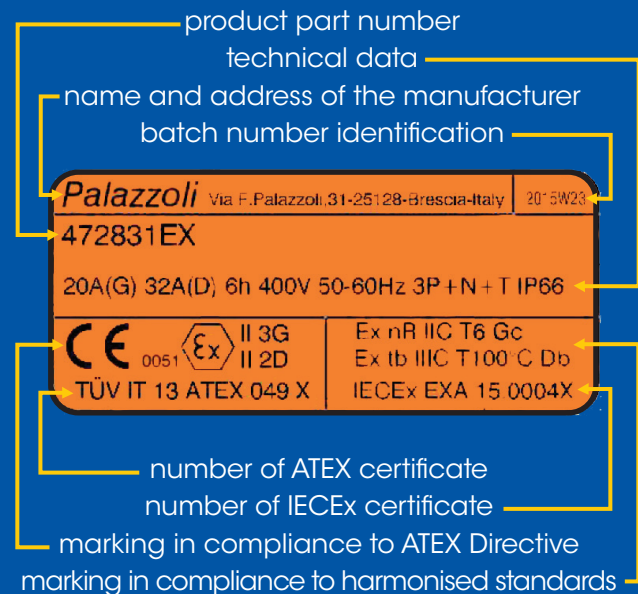
### Safety Instructions

One of the most significant document to determine the correct application **to respect the essential safety requirements**. It contains **indication to assess the conformity** of the product for predicable use conditions, technical parameter, and more.

## TECHNICAL INFORMATION

Body material:	Antistatic thermosetting (GRP)
Surface resistance:	$<10^9 \Omega$ (prevention of electrostatic charge accumulation)
Colour:	RAL 9005 (black)
Protection rating:	IP66 as per IEC/EN 60529
Resistance to abnormal heat and fire: ("Glow wire" according to IEC/EN 60695-2-10)	960°C
Flammability rating: (according to UL94)	V0
Rated current:	16A - 32A - 63A
Operating voltage:	110V - 500V
Operating frequency:	50 - 60Hz
Operating temperature:	-40°C ÷ +65°C (sockets) -40°C ÷ +75°C (boxes)
ATEX execution:	<div> <div> <math>\text{Ex II 3G 2D}</math> (Sockets) Ex nR IIC T5/T6 Gc Ex tb IIIC T 80°C...140°C Db </div> <div> (BBoxes) Ex nR IIC Gc Ex tb IIIC Db </div> </div>
Compliance to standards:	<div> (Sockets) Directive ATEX 2014/34/EU EN 60079-0, EN 60079-15, EN 60079-31  Directive LVD 2014/35/EU EN 60309-1, EN 60309-2, EN 60309-4 </div> <div> (BBoxes) ATEX Directive 2014/34/EU EN 60079-0, EN 60079-7, EN 60079-31  Directive 2014/35/EU EN 62208 </div>

## PRODUCT MARKING



## Quality Certified



## CONTACT US

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