



Danger points

In lifting, drive and control technology both electrical and non-electrical components and parts can trigger an explosion. Austin Hoist & Crane are please to offer STAHL CraneSystems apparatus specially designed for use in potentially explosive atmospheres.

All hoist and crane components without exception are from the STAHL production facility, and meet the latest European construction and safety regulations for potentially explosive atmospheres (ATEX) and IECEx System.

Contact Austin Hoist & Crane for a full assessment to see if your operating environment requires Ex technology.

1 Wheels



The type of protection of all wheels is constructional safety. If travel speeds are high, this also includes brass wheels.

2 Gear



The types of protection of the gear are constructional safety and liquid immersion. The protective liquid (oil) prevents sparks.

3 Rope guide/chain guide



The wear-resistant rope guide in nodular graphite casting GJS (previously designated GGG) is extremely durable and not subject to temperature limitations. The same applies to the chain guide, type of protection used: constructional safety

4 Equipotential bonding



Equipotential bonding is essential for avoiding incendive sparks when installing crane technology in potentially explosive atmospheres.

5 Overload device



The overload devices for Zone 1 and 21 comprise mechanical sensors (LMS), analog sensors (LET) for Zone 2 and 22.

6 Panel box

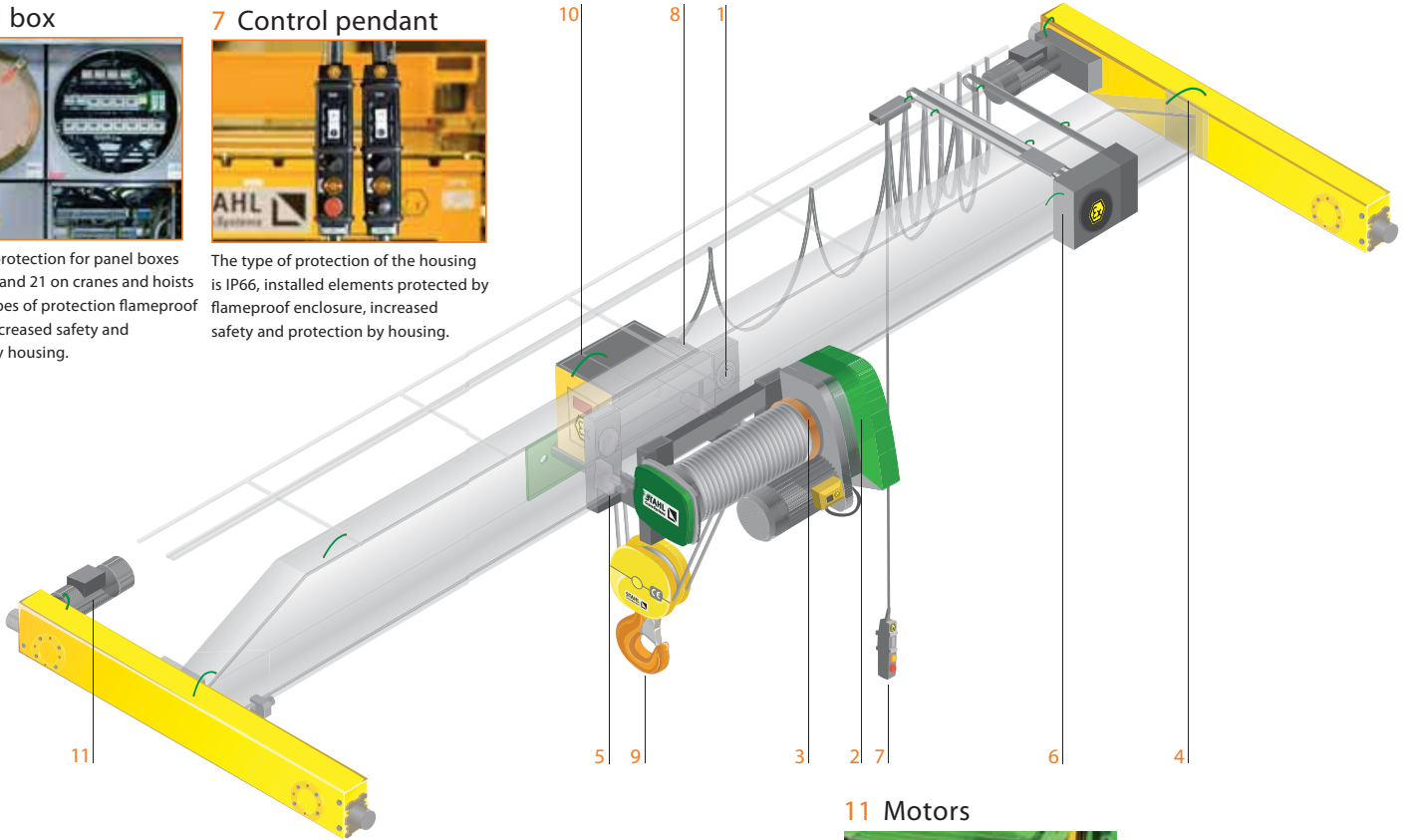


The type of protection for panel boxes for Zone 1, 2 and 21 on cranes and hoists combines types of protection flameproof enclosure, increased safety and protection by housing.

7 Control pendant



The type of protection of the housing is IP66, installed elements protected by flameproof enclosure, increased safety and protection by housing.



8 Limit switch



The type of protection of the limit switch combines flameproof enclosure, increased safety and protection by housing.

9 Bottom hook block



The type of protection employed is constructional safety, no aluminium is used. If travel speeds are high, individual parts, such as the load hook, are bronze-coated.

10 Cable entry



Indirect cable entry, very high safety level from type of protection increased safety and flameproof enclosure. Connection of the Ex e connection box to Ex d by post-type bushing.

11 Motors



Motors for Zone 1 and 21 are made of grey cast iron, the type of protection combines flameproof enclosure, increased safety and protection by housing. For Zone 2 the motors are made of aluminium and in type of protection non-sparking equipment. For Zone 22 the motors are manufactured in IP 66.