

ELECTRIC CHAIN HOISTS GP ATEX EXPLOSION PROOF



EXPLOSION PROOF ELECTRIC CHAIN HOISTS GP



ATEX is the abbreviation for "**AT**mosphère **EX**plosible" in accordance with the directive 2014/34/EU for marketing of explosion proof electrical and mechanical equipment, components and protective systems. A distinction is drawn between the defined zones explosive gases, steams or fogs (zone 0, 1, 2) and dusts (zone 20, 21, 22).

The dust proof ATEX version achieves its required protection class through its temperature surveillance (Klixon), protection class IP65 and special cable glands.

The gas proof ATEX version (zone 22 and zone 2) additionally prevents gases, steams or fogs from entering by means of a 0.4 bar overpressure inside the casing which constantly feeds compressed air by an external air supply. In case of an air pressure drop, the operating voltage will be interrupted instantly and the lifting respectively travel process is stopped immediately.



Dust proof version
Black covers



Gas proof version
Black covers

YOUR BENEFITS

Our electric chain hoists and electric travel trolleys are in accordance with the directive 2014/34/EU. The operation of ATEX devices is approved if the official EC marking and the EC declaration of conformity is provided which confirm the essential health and safety requirements as well as the processes for conformity assessment are met.

An operator receives the standard operating instruction and the annex special models for GIS ATEX devices.

An inspection pass has to be completed by the user in which the continuously carried out maintenances have to be documented.



ATEX - dust proof

Risk area:
II 3D Ex tc IIIA T130°C Dc

Electric chain hoist GP D (Dust)

Black cover with logo
Protection class IP65
Temperature surveillance by means of thermocouple (Klixon)
Surveillance of hoist movements
Geared limit switch
ATEX cable glands
Authorised in accordance with ATEX - directive 2014/34/EU with EC declaration of conformity

Electric trolley EMFE ATEX dust

Protection class IP65
Temperature surveillance by means of thermocouple (Klixon)
Surveillance of trolley movements
ATEX cable glands
Authorised in accordance with ATEX - directive 2014/34/EU with EC declaration of conformity

ATEX - gas proof

Risk area:
II 3D Ex tc IIIA T130°C Dc
II 3G Ex pz IIA T3 Gb

Electric chain hoist GP G (Gas)

Black cover without logo
Protection class IP65
Temperature surveillance by means of thermocouple (Klixon)
Surveillance of hoist movements
Geared limit switch
ATEX cable glands
Pressure monitoring:
compressed air supply of 4-10 bar via compressed air hose with diameter 6 mm requested on-site

Authorised in accordance with ATEX - directive 2014/34/EU with EC declaration of conformity

Electric trolley EMFE ATEX gas

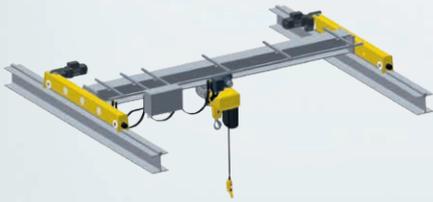
Protection class IP65
Temperature surveillance by means of thermocouple (Klixon)
Surveillance of trolley movements
ATEX cable glands
Pressure monitoring * :
compressed air supply of 4-10 bar via compressed air hose with diameter 6 mm requested on-site
* not requested on hoist
Authorised in accordance with ATEX - directive 2014/34/EU with EC declaration of conformity

Options

ATEX control switch
2- or 4-buttons with emergency stop
Various operating voltages
Various control voltages
Operating data counter
Safety radio remote control for GP D (Dust)
Second brake
External limit switch
Hook suspension
Low headroom version GPK
Frequency inverter GP FU
Corrosion resistant version GPR

Documentation

Instruction manual standard - electric chain hoist
Annex special models GP D, GP G
EC declaration of conformity



Crane systems

GISKB steel crane construction kit for line-bound or all-round goods handling. GISKB aluminium crane system, slewing pillar and wall cranes for smooth handling of transport goods. Travelling cranes and slewing cranes made of steel profiles for heavier loads.

Hoisting equipment

Over 55 years experience in the manufacture of electric chain hoists: robust, durable, reliable and highly resistant to wear. Simple maintenance. Various special versions for every application area. Wide range of accessories and options.

Vacuum handling systems

GIS vacuum handling systems for the ergonomic and gentle handling of goods made of different materials like wood, glass, stone, metal or plastic. In combination with the appropriate crane system.

GIS AG – the specialist for electric chain hoists and crane systems Founding of the GIS AG in 1957 | With own subsidiary in Germany and England | Development and production of electric chain hoists in Switzerland for over 55 years | Swiss manufacturer of complete crane systems inc. hoisting equipment and vacuum lifters | Certified to ISO 9001 since 1994 | Complete market services from project planning to installation, start-up and maintenance | International sales network with over 50 qualified partners worldwide

swiss lifting solutions
Certified to ISO 9001