

eCLIQ– ATEX-certificate



Certification for additional
hazardous areas hydrogen
and acetylene

IKON – The locking system specialist since 1926!

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New optional certification ATEX=II 2G Ex ib IIC T4 Gb



More than 60 cylinder types optionally available to meet the new ATEX certificate ATEX=II 2G Ex ib IIC T4 Gb.



The eCLIQ locking system consists of electronic keys with replaceable batteries and electromechanical cylinder cores for various housing designs.

Current testing shows that the Professional, Connect and Beluga keys as well as cylinder cores meet the requirements of explosion group IIC for

gas-explosive areas with hydrogen and acetylene. This includes more than 60 eCLIQ cylinder types. Acetylene, also known as ethyne, is used in applications such as gas welding, because it achieves very high combustion temperatures.



In rooms where natural gas, fuel or paint and solvent vapours are released, a single spark is enough to trigger explosions. All power-based devices (as well as electronic master key systems) must meet special requirements for hazardous areas. Ultimately, it comes down to suitable protective measures laid down in EU Directive 2014/34/EU, also known as ATEX 114 (ATmosphères EXplosibles). The ATEX guidelines provide extensive support for implementation.