

## 7

## ATEX Cable entry systems

for potentially explosive atmospheres



## Directive 2014/34/EU (ATEX)

ATEX stands for "ATmosphères EXplosives" and is the short name for the European Directive 2014/34/EU, regulating the market launch of explosion protected electrical and non-electrical devices, components and protection systems. Since July 1, 2003 in effect, it applies to all new equipment and protective devices. The directive is aimed at manufacturers and importers in the 27 member states of the EU as well as the 4 EFTA member states and Turkey.

The ATEX directive applies to all electrical and non-electrical equipment and protective systems intended for use in potentially explosive atmospheres.

Moreover, the directive includes controlling, monitoring or regulating equipment which may be located outside of explosive atmospheres, but ensures the safe operation of devices and safety systems inside.

The ATEX directive applies to all explosive industrial atmospheres, including mining. The directive describes basic safety and health requirements for equipment and components intended for use in potentially explosive atmospheres. It describes procedures to demonstrate conformity with the directive. Depending on the risk area in which the product is used, (conformity assessment procedures) requirements and procedures for assessing fulfilment are different.

Since 2003, every new Ex device must be certified according to the EU Directive, labelled with the CE marking and the special marks for prevention of explosions. icotek has certified a wide variety of products.

All devices, components and protective systems intended for use in potentially explosive atmospheres, have to comply with the European Directive 2014/34/EU.

## Important notice!

**Only intended for fixed installation of cables!**

The cable entry is only suitable for fixed installation of cables where strain and torsional loading on the cable is not possible.

## The ATEX directive 2014/34/EU regulates:

- Product approval
- Conformity procedure (consisting of EC type examination, quality control and EC declaration of conformity)
- CE marking of conformity for equipment and protective systems

For use in potentially explosive atmospheres, icotek offers a wide range of cable entry systems for zones G (gas) and D (dust) in equipment group II, category 2 + 3, certified to the ATEX directive.

The icotek cable entry systems comply with the EU Directive 2014/34/EU (ATEX) for equipment and protective systems intended for use in potentially explosive atmospheres of zones 1, 2, 21 and 22.



## Product group 7

Cable entry systems for potentially explosive atmospheres

### Chapter content



**Split ATEX cable entry frames** | IP65 / IP54  
for cable diameters up to 35 mm  
KEL-ER 24 / KEL-ER 16 / KEL-ER 10 / KEL-ER-B / KEL-ER-E  
KEL-U 24 / KEL-U 16 / KEL-U 10 / KEL-U-B / KEL-E  
**174 - 177**



**Centrally split ATEX cable entry frames** | IP54  
for cable diameters up to 35 mm  
KEL 24 / KEL 16 / KEL 10 / KEL-B  
**178**



**Extended split ATEX cable entry frames** | IP54  
for cable diameters up to 35 mm  
KEL 24-E / KEL 24-MT / KEL 24-2MT  
KEL 16-E / KEL 16-MT / KEL 16-2MT  
**179 - 180**



**Split ATEX cable entry frames for flat cables** | IP54  
& round cables up to 16 mm in diameter  
KEL-FL  
**181**



**Split ATEX cable entry frames** | IP54  
for cable diameters up to 75 mm  
KEL 183 / KEL 183-E  
**182**



**Grommets and plugs** | IP65 / IP54  
cable diameter range 2 - 75 mm  
KT small / KT large / KT-DPF / KTMB / KTMB 183 /  
DT / FT / ST  
**183 - 184**



**ATEX Cable entry plates** | IP66  
screw/snap-in mounting  
KEL-DPU 24  
**185**



**ATEX Cable entry plates** | IP66  
screw mounting  
KEL-DPZ-KL / KEL-DPZ 24 / KEL-DPZ-B / KEL-DPZ-E  
**186 - 187**



**ATEX Cable entry plates, round** | IP68  
M32 - M63  
KEL-DPZ round  
**188**



**ATEX Cable entry grommets** | IP68  
M25 - M75, for cable diameters up to 60 mm  
KEL-DPF  
**189**