

Questionnaire

For drive elements and lifting units according to EU-Directive 2014/34/EU

Company:

Name:

Department:

Address:

Phone:

E-mail:

To enable us to design lifting units/drive elements in accordance with according to EU-directive 2014/34/EU it is essential that this checklist is completed and all open questions regarding explosion protection are answered carefully.



Equipment group, categories and zones

Equipment group I (only for mining fire damp protection) - Not available -	
-	Category M1
-	Category M2

Equipment group II		
Category - Zone	Ex-atmosphere ...	
- Category 1 – Zone 0/20	... is present continuously for long periods or frequently (not available)	
Category 2 – Zone 1/21	... is present occasionally in normal operation	
Category 3 – Zone 2/22	... is unlikely to be present except for a short period of time	

Ex-atmosphere

Medium? If dusts are involved – please specify

Surrounding temperature
- only permissible between -20 up to +40 °C -

Zone			
	Gases/Vapours G		Dust D
not available	0	not available	20
	1		21
-	2		22

Explosion group	
	IIA
	IIB
-	IIC - not available -

Temperature classes

Temperature class	Max. surface temperature of the equipment [°C]	Max. ignition temperature of combustible substances [°C]	Max. surface temperature for dust [°C]
T1	450	> 450	Ignition temperature
T2	300	> 300 ... < 450	Smouldering temperature
T3	200	> 200 ... < 300	
T4	135	> 135 ... < 200	
- T5	100	> 100 ... < 135	
- T6	85	> 85 ... < 100	

T1 up to T4 available, **T5 and T6 not available**