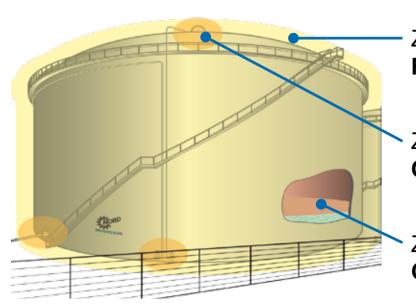


EPL IEC 60067-0	Device category 94/9/EC	Can be used in zones	Avoidance of sources of ignition
Gc	3G	2	In normal operation
Gb	2G	1.2	Including with normal malfunctions
Ga	1G	0, 1, 2	Even with rare malfunctions





Zone 2:

Rare occurrence of explosive atmospheres

Zone 1:

Occasional occurrence of explosive atmospheres

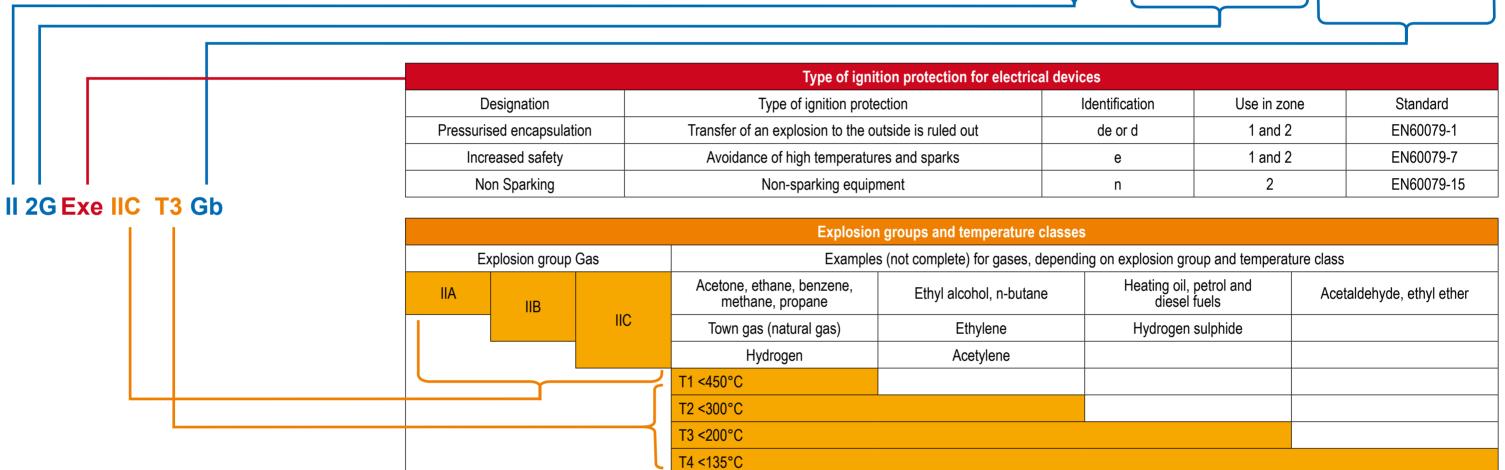
Zone 0:

Constant or frequent occurrence of explosive atmospheres





		Labelling and categorisation of explosi	ve environment						
Type of material	Presence of flammable material	Categorisation of explosive environment	Labelling of equipment				EPL - Equipment protection level		
			Equipment Device category						
					1			1	
Gas	Continuously or frequently present	Zone 0	II			_			_
(vapours, mist,	Occasionally present	Zone 1	II	1G	20		Ga	Ch	
etc.)	Rarely present (short periods)	Zone 2	II	2G 3G		3G		Gb	Gc





ATEX
Gas labelling
for gear units

Labelling an	nd categorisation of explosive environmer	nt				
Presence of flammable material	Categorisation of explosive environment	Labelling of equipment				
		Equipment group	Device category		ory	
Continuously or frequently present	Zone 0	II			_	
Occasionally present	Zone 1 II		1G	200		
Rarely present (short periods)	Zone 2	II			3G	
	Presence of flammable material Continuously or frequently present Occasionally present	Presence of flammable material Categorisation of explosive environment Continuously or frequently present Zone 0 Occasionally present Zone 1	Presence of flammable material Categorisation of explosive environment Equipment group Continuously or frequently present Zone 0 Il Occasionally present Zone 1 Il	Presence of flammable material Categorisation of explosive environment Equipment group De Continuously or frequently present Zone 0 II Occasionally present II 1G	Presence of flammable material Categorisation of explosive environment Equipment group Device categorisation of explosive environment Equipment group Device categorisation of explosive environment I abelling of equipment I believe categorisation of explosive environment I apelling of equipment I applied to the state of t	

			Type of ignition	on protection for mechanical	devices		
	Protection principle		Type of ignition protection		Identification	Use in zone	Standard
	Constructional safety	The c	lesign of the equipment prevents spa	rks and high temperatures	С	1 and 2	EN13463-5
2G c IIC T4 X			Explosion	groups and temperature clas	ses		
	Explosion group	Explosion group Gas Examples (not complete) for gases, depending on explosion group and te					ass
	IIA IIB		Acetone, ethane, benzene, methane, propane	Ethyl alcohol, n-butane	Heating oil, diesel	petrol and fuels	Acetaldehyde, ethyl eth
		IIC	Town gas (natural gas)	Ethylene	Hydrogen	sulphide	
			Hydrogen	Acetylene			
			T1 <450°C				
			T2 <300°C				
		$\overline{}$	T3 <200°C				
		l	T4 <135°C				

WARNING! Please note the relevant standards and directives.

This poster / manual contains excerpts and information from the European standards and directives for explosion protection. It is specially tailored to NORD DRIVESYSTEMS products and does not claim to be complete. Knowledge of this document does not release the user from the obligation for detailed study of and compliance with all relevant standards and directives.

NORD product range (gas)

Χ

At present, NORD does not supply solutions for use in Zone 0.



Note any special conditions or restrictions - refer to the documentation