		~0	ATE)	( MARK	ING E	XPLAINE		
	How to read the labelling on products according to Directive ATEX 2014/34/EU							
	An example of the markings : $C \in 1354$ (Ex) II 2 G Ex db IIC T4 Gb							
<b>CE</b> 1354	The designation number of Notified Body (NB) is added if it is involved in the conformity assessment Proces, NB number TI a.s. 1354							
(Ēx)	The specific marking of explosion protection according to ATEX Directive 2014/34/EU							
II	Marking of the equipment according to Directive ATEX 2014/34/EU         (I) -intended for use in underground parts of mines as well as those parts of surface installations of such mines, which are endangered by firedamp and/or combustible dust         (II) -intended for use in areas in which explosive atmospheres caused by mixtures of air and gases, vapours or mists or air/dust mixtures							
	Designation of categories of equipment for the Group							
2	Equipment Group	Equipment Category		Zone of Use		Environment	Environment	
	1	M1 M2		N/A		Methane & Coal	Methane & Coal Dust	
	П	1		0/20			Gas, Vapour, Mists & Dusts	
		2		1/21		Gas, Vapour, Mis		
	II Only for douise group II :	3		2/22				
G	Only for device group II indicates the letter G (for gas) or D (dust) G – for equipment designed for explosive atmospheres caused by gases, vapours or mists							
	(D) – for equipment designed for explosive atmospheres caused by gases, vapours of mists							
Ex				,		e subject to specific st	ubject to specific standards of the series EN 60079 and/or EN 80079-36	
	Symbol used according to	o the kind of protection	Туре о	f Protection	Symbol	IEC/EN Standard	Basic Concept of Protection	
		Symbol used according to the kind of protection of the specific standards or standards under		meproof	d	60079-1	Contains Explosion, Prevents Explosion	
db	-	which the device is made and approved, in this		ased Safety	е	60079-7	No arcs, sparks or hot surfaces	
	case, a "hard Cap" with a level of protection Gb		nsic Safety	i	60079-11	Limits the energy of the spark and surface temperature		
	according to EN- 60079-1		psulation	m	60079-18	Keeps Combustible dust out and avoids hot surface		
	Protection by Enclosure     t     60079-31     Keeps Combustible dust out and avoids hot surface       The symbol of the sub-groups of gases or dusts to which your device is suitable     60079-31     Keeps Combustible dust out and avoids hot surface							
	(I) for gas in the mines – Coal mining and/or combustible dusts							
	IIA – intended to subsets of the explosive gas atmosphere, which is a typical gas propane							
	IIB – intended to subsets of the explosive gas atmosphere, which is a typical gas ethylene is appropriate and where required by the IIA							
IIC	IIC – intended to subsets of the explosive gas atmosphere, where a typical gas is hydrogen, it is appropriate and where required by the IIA or IIB							
	IIIA- designed into sub-groups of explosive dust atmosphere consist of combustible dusts							
	IIIB- designed into sub-groups of explosive dusts atmosphere consist of Non – Conductive dust							
	IIIC – intended to subsets of the explosive dust atmosphere consisting conductive dust, atmosphere is appropriate where IIIA or IIIB is required.							
	The symbol for the temperature class for explosive gaseous atmospheres							
	Temperature class	The maximum surface						
		temperature in ° C						
	T1	450			<ul> <li>If the temperature is between two classes, for example, may be marked "T1 or 350 ° C", or "350 ° C (T1)".</li> <li>If it is higher than 450 ° C must be marked only the higher, such as 600 ° C</li> </ul>			
Т4	T2	300						
	T3	200		-				
	T4	135	- Equipment ambien			bient Temperature: -20°C to +40°C unless otherwise stated on the equipment		
	T5 T6	100 85						
		For explosive dust atmospheres shall indicate the maximum surface of temperature of, for example, "T 85 ° C"						
	The level of protection of the equipment							
	facilities to be installed in the mine with "very high" levels of protection, guarantees sufficient protection that it is unlikely to become a source of							
	Ma ignition under normal operation, while the anticipated functional failures or malfunctions even if If it remains under exceptional tensio							
		explosion						
	Mb	facilities to be installed in the mine with the "high" levels of protection, guarantees sufficient that it is unlikely to become a source of ignition						
		under normal operation or during foreseeable malfunctions.						
	Ga device to be installed in the explosive gaseous atmospheres with "very high" levels of protection, is not a source of ignition under normal							
		operation, while the implied fault, or during exceptional functional disorders.						
Gb	Gb	device to be installed in the explosive gaseous atmospheres with a "high" level of protection, is not a source of ignition in the normal conditions of						
	use or during foreseeable malfunctions.							
	Gc device to be installed in the explosive gaseous atmospheres with the "enhanced" level of protection, is not a source of ignition under normal operation.							
		device to be installed in the explosive dust atmospheres with "very high" levels of protection, is not a source of ignition under normal operation,						
	Da	while the anticipated functional failures or malfunctions during the exceptional condition.						
	Db	device to be installed in the explosive dust atmospheres with a "high" level of protection, is not a source of ignition under normal operation or						
		during foreseeable malfunctions						
		device to be installed in the explosive dust atmospheres with the "enhanced" level of protection, is not a source of ignition under normal operation						