



CONFORMITY



ATEX CERTIFICATES

CONNECTOR'S TYPE	ATEX MARKING
DIN VALVE CONNECTORS FIELD ATTACHABLE	  II 2G Ex e IIC T6 Gb ; II 2D Ex tb IIIC T85°C Db IP65/67
M12 CIRCULAR CONNECTORS FIELD ATTACHABLE	  II 2G Ex e IIC T6 Gb ; II 2D Ex tb IIIC T85°C Db IP65/67
M8 CIRCULAR CONNECTORS FIELD ATTACHABLE	  II 2G Ex e IIC T6 Gb IP55/57



DIN VALVE CONNECTORS FIELD ATTACHABLE:

		II	2G 2D	Ex	e tb	IIC IIIC	T6 T85°C	Gb Db	IP65/67
1	2	3	4	5	6	7	8	9	10



M12 CIRCULAR CONNECTORS FIELD ATTACHABLE:

		II	2G 2D	Ex	e tb	IIC IIIC	T6 T85°C	Gb Db	IP65/67
1	2	3	4	5	6	7	8	9	10

M8 CIRCULAR CONNECTORS FIELD ATTACHABLE:

		II	2G	Ex	e	IIC	T6	Gb	IP55/57
1	2	3	4	5	6	7	8	9	10

GUIDE TO THE ATEX WORD:

1 ID 1	2 ID 2	3 Group Equipment	4 Equipment Category						
 CE Marking 2632 : Notified body.	 ATEX Marking.	II = used in all other EX environments.	<p>2G = equipment suitable for areas where, during normal activities, explosive atmospheres due to gas, vapors or mists (zone 1) may occur; suitable to be installed in zone 1.</p> <p>2D = equipment suitable for areas where, during normal activities, explosive atmospheres due to a mixture of air and flammable dusts (zone 21) and that has inside a bonded device that will be connected to a category 1 equipment; suitable to be installed in zone 21.</p> <table border="1"> <thead> <tr> <th>Equipment Category</th> <th>Gas zone (G)</th> <th>Dust zone(D)</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>1</td> <td>21</td> </tr> </tbody> </table>	Equipment Category	Gas zone (G)	Dust zone(D)	2	1	21
Equipment Category	Gas zone (G)	Dust zone(D)							
2	1	21							

5 Equipment	6 Type of initiation protection	7 Explosion Group
Ex= explosion-proof equipment.	e = "e" increased safety equipment. tb = equipment with an enclosure that prevents dust ingress and with devices to limit surface temperatures; protection level "b".	<p>IIC = equipment not addressed to underground work in mines or their surface plants which could exposed to risk of explosive atmospheres - subgroup of C gas; suitable to be installed in presence of any gas (subgroups A, B and C).</p> <p>IIIC = equipment not addressed to underground work in mines or their surface plants which could exposed to risk of explosive atmospheres - subgroup of C dusts; suitable to be installed in presence of any dust (subgroups A, B and C).</p>

8 Definition of temperatures generated by equipment	9 Equipment protection level	10 Protection class
<p>T6 = equipment that can reach, but not exceed 85°C of absolute temperature (depending on the protection mode, it can be either maximum temperature or surface maximum temperature).</p> <p>T...°C = equipment that can reach, but not exceed in surface ...°C of absolute temperature.</p>	<p>Gb = equivalent to 2G category.</p> <p>Db = equivalent to 2D category.</p>	IP protection type.