

## LIST OF TYPES OF VERIFIED AND TESTED PRODUCTS

№	Name of the products assessed	Basic indicator	Harmonized standards (test methods)	Harmonized standards (technical requirements)	Essential requirements
1.	2.	3.	4.	5.	6.
<b>1</b>	<b>Group I, category M1 and category M2 electric equipment</b> As follows:				ATTEX DIRECTIVE 2014/34/EU, Annex II
	1.2. Type of protection “d”: rotating electric machines; switchgear; plug connections; luminaires; hand-held luminaires; headlamp luminaires; measuring instruments; rechargeable batteries; sensors for physical dimensions; electrical installations; gas alarms.	Explosion resistance; explosion proof; mechanical strength; metric measurements; temperature measurements; IP code; electrical measurements; electrostatic safety	EN 60079-1:2014 EN 60079-0:2012 EN 60529:1991/A2:2013	EN 60079-1:2014 EN 60079-0:2012 EN 60529:1991/A2:2013	
	1.3. Type of protection “e”: rotating electric machines; switchgear; plug connections; luminaires; hand-held luminaires; headlamp luminaires; measuring instruments; rechargeable batteries; sensors for physical dimensions; electrical installations; gas alarms.	Electrical measurements; metric measurements; defining parameters of electrical insulating materials; mechanical strength; IP code; temperature measurements; electrostatic safety	EN 60079-7:2015 EN 60079-0:2012 EN 60529:1991/A2:2013	EN 60079-7:2015 EN 60079-0:2012 EN 60529:1991/A2:2013	
	1.4. Type of protection “i”: Safety devices, controlling devices and regulating devices (article 2, paragraph 1, item 2); safety units (barriers) for power supplies; sensors for physical dimensions; luminaires; rechargeable batteries; control, regulation and communication systems; gas alarms.	Intrinsically safe circuits; temperature measurements; metric measurements; mechanical strength; parameters of electrical insulating materials; IP code; electrostatic safety	EN 60079-11:2012 EN 60079-0:2012 EN 60529:1991/A2:2013	EN 60079-11:2012 EN 60079-0:2012 EN 60529:1991/A2:2013	

1.	2.	3.	4.	5.	6.
	1.5. Type of protection “m”: switchgear; plug connections; luminaries; hand-held luminaires; measuring instruments; rechargeable batteries; sensors for physical dimensions; electrical installations; gas alarms.	Electrical measurements; metric measurements; defining parameters of electrical insulating materials; mechanical strength; IP code; temperature measurements; electrostatic safety	EN 60079-0:2012 EN 60079-18:2015 EN 60529:1991/A2:2013	EN 60079-0:2012 EN 60079-18:2015 EN 60529:1991/A2:2013	
	1.6. Type of protection “o”: switchgear.	Electrical measurements; metric measurements; defining parameters of electrical insulating materials and the filling fluid ; mechanical strength; IP code; temperature measurements.	EN 60079-0:2012 EN 60079-6:2007 EN 60529:1991/A2:2013	EN 60079-0:2012 EN 60079-6:2007 EN 60529:1991/A2:2013	
2.	<b>Component</b> As follows: empty boxes; switchgear; plug connections; indicators; measuring instruments; battery elements; sensors for physical dimensions; electrical installations.	Explosion resistance; explosion proof; mechanical strength; metric measurements; temperature measurements; IP code; electrical measurements; electrostatic safety	EN 60079-1:2014 EN 60079-7:2015 EN 60079-0:2012 EN 60079-31:2014 EN 60079-18:2015 EN 60079-11:2012 EN 60529:1991/A2:2013	EN 60079-1:2014 EN 60079-7:2015 EN 60079-0:2012 EN 60079-31:2014 EN 60079-18:2015 EN 60079-11:2012 EN 60529:1991/A2:2013	
3.	<b>Group I, non-electrical; Category M1 и Category M2</b> Type of protection “k”, “b”, “c”, “d”, “fr”.	Explosion resistance; explosion proof; mechanical strength; metric measurements; temperature measurements; IP code; electrostatic safety; mechanical sparks (fast alternating strokes, continuous friction, free fall)	EN 13463-1:2009 EN 13463-2:2005 EN 13463-3:2005 EN 13463-5 EN 13463-6:2005 EN 13463-8:2004	EN 13463-1:2009 EN 13463-2:2005 EN 13463-3:2005 EN 13463-5 EN 13463-6:2005 EN 13463-8:2004	ATTEX DIRECTIVE 2014/34/EU, Annex II
4.	<b>Group II, gas, electrical Categories 1, 2 и 3 Group II, dust, electrical Categories 1, 2 и 3</b> As follows:				ATTEX DIRECTIVE 2014/34/EU, Annex II
	3.1. Type of protection “d”: rotating electric machines; switchgear; plug connections; luminaries; hand-held luminaires; headlamp luminaires; measuring instruments; rechargeable batteries; sensors for physical dimensions; electrical installations; gas alarms.	Explosion resistance; explosion proof; mechanical strength; metric measurements; temperature measurements; IP code; electrical measurements; electrostatic safety	EN 60079-1:2014 EN 60079-0:2012 EN 60079-31:2014 EN 60529:1991/A2:2013	EN 60079-1:2014 EN 60079-0:2012 EN 60079-31:2014 EN 60529:1991/A2:2013	

1.	2.	3.	4.	5.	6.
	3.2. Type of protection “e”: rotating electric machines; switchgear; plug connections; luminaires; hand-held luminaires; headlamp luminaires; measuring instruments; rechargeable batteries; sensors for physical dimensions; electrical installations; gas alarms.	Electrical measurements; metric measurements; defining parameters of electrical insulating materials; mechanical strength; IP code; temperature measurements; electrostatic safety	EN 60079-7:2015 EN 60079-0:2012 EN 60079-31:2014 EN 60529:1991/A2:2013	EN 60079-7:2015 EN 60079-0:2012 EN 60079-31:2014 EN 60529:1991/A2:2013	
	3.3. Type of protection “i”: Safety devices, controlling devices and regulating devices (article 2, paragraph 1, item 2); safety units (barriers) for power supplies; sensors for physical dimensions; luminaires; rechargeable batteries; control, regulation and communication systems; gas alarms.	Intrinsically safe circuits; temperature measurements; metric measurements; mechanical strength; parameters of electrical insulating materials; IP code; electrostatic safety.	EN 60079-11:2012 EN 60079-0:2012 EN 60529:1991/A2:2013	EN 60079-11:2012 EN 60079-0:2012 EN 60529:1991/A2:2013	
	3.4. Type of protection “n”: switchgear; plug connections; luminaires; hand-held luminaires; measuring instruments; rechargeable batteries; sensors for physical dimensions; electrical installations; gas alarms.	Electrical measurements; metric measurements; defining parameters of electrical insulating materials; mechanical strength; IP code; temperature measurements; electrostatic safety	EN 60079-0:2012 EN 60079-15:2010 EN 60529:1991/A2:2013	EN 60079-0:2012 EN 60079-15:2010 EN 60529:1991/A2:2013	
	3.5. Type of protection “m”: switchgear; plug connections; luminaires; hand-held luminaires; measuring instruments; rechargeable batteries; sensors for physical dimensions; electrical installations; gas alarms.	Electrical measurements; metric measurements; defining parameters of electrical insulating materials; mechanical strength; IP code; temperature measurements; electrostatic safety	EN 60079-0:2012 EN 60079-18:2015 EN 60529:1991/A2:2013	EN 60079-0:2012 EN 60079-18:2015 EN 60529:1991/A2:2013	
	3.6. Type of protection “o”: switchgear.	Electrical measurements; metric measurements; defining parameters of electrical insulating materials and the filling fluid ; mechanical strength; IP code; temperature measurements.	EN 60079-0:2012 EN 60079-6:2007 EN 60529:1991/A2:2013	EN 60079-0:2012 EN 60079-6:2007 EN 60529:1991/A2:2013	
	3.7. Type of protection “q”: switchgear; rechargeable batteries.	Electrical measurements; metric measurements; defining parameters of electrical insulating materials and the quartz sand; mechanical strength; IP code; temperature measurements.	EN 60079-0:2012 EN 60079-5:2008 EN 60529:1991/A2:2013	EN 60079-0:2012 EN 60079-5:2008 EN 60529:1991/A2:2013	

1.	2.	3.	4.	5.	6.
5.	<p><b>Group II, gas, non-electrical; Categories 1, 2 и 3</b></p> <p><b>Group II, dust, non-electrical; Categories 1, 2 и 3</b></p> <p>Types of protection “к”, “b”, “c”, “d”, “fr”.</p>	<p>Explosion resistance; explosion proof; mechanical strength; metric measurements; temperature measurements; IP code; electrostatic safety; mechanical sparks (fast alternating strokes, continuous friction, free fall)</p>	<p>EN 13463-1:2009 EN 13463-2:2005 EN 13463-3:2005 EN 13463-5 EN 13463-6:2005 EN 13463-8:2004</p>	<p>EN 13463-1:2009 EN 13463-2:2005 EN 13463-3:2005 EN 13463-5 EN 13463-6:2005 EN 13463-8:2004</p>	<p>ATEX DIRECTIVE 2014/34/EU, Annex II</p>
6.	<p><b>The products according to Chapter 2, article 10 (1), item 3</b></p> <p><b>For equipment of Group I, category M2 or Group II, category 2 other than those under item 2 – „Module A: Internal Production Control”, according to Section I from Annex № 3 and provision of the technical documentation referred to in Section I, item 2 of Anex 3 to a Notified Body.</b></p>				<p>ATEX DIRECTIVE 2014/34/EU, Annex II Chapter 2, article 10 (1), item 3</p>