



**SLOVENSKI STANDARD**  
**oSIST prEN IEC 60079:2024**  
**01-september-2024**

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**Eksplzivne atmosfere - 0. del: Oprema - Splošne zahteve**

Explosive atmospheres - Part 0: Equipment - General requirements

Explosionsgefährdete Bereiche - Teil 0: Betriebsmittel - Allgemeine Anforderungen

Atmosphères explosives - Partie 0: Matériel - Exigences générales

**Ta slovenski standard je istoveten z: prEN IEC 60079:2024**

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29.260.20 Električni aparati za eksplozivna ozračja  
Electrical apparatus for explosive atmospheres

**oSIST prEN IEC 60079:2024**

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TITLE:

**Explosive atmospheres - Part 0: Equipment - General requirements**

PROPOSED STABILITY DATE: 2029

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1

2

## CONTENTS

3	CONTENTS .....	1
4	FOREWORD .....	10
5	1 Scope .....	21
6	2 Normative references .....	22
7	3 Terms and definitions .....	24
8	4 Equipment grouping .....	45
9	4.1 General .....	45
10	4.2 Group I .....	45
11	4.3 Group II .....	45
12	4.4 Group III .....	46
13	4.5 Equipment for a particular explosive gas atmosphere .....	46
14	5 Temperatures .....	46
15	5.1 Environmental influences .....	46
16	5.1.1 Ambient temperature .....	46
17	5.1.2 External source of heating or cooling .....	46
18	5.1.3 Service temperature, $T_S$ .....	47
19	5.2 Maximum surface temperature .....	47
20	5.2.1 Determination of maximum surface temperature .....	47
21	5.2.2 Limitation of maximum surface temperature .....	47
22	5.2.3 Small component temperature for Group I or Group II electrical equipment ....	49
23	5.2.4 Component temperature of smooth surfaces for Group I or Group II equipment	50
24	6 Requirements for all equipment .....	50
25	6.1 General .....	50
26	6.2 Mechanical strength of equipment .....	50
27	6.3 Opening times .....	50
28	6.4 Circulating currents in enclosures .....	51
29	6.5 Gasket retention .....	51
30	6.6 Electromagnetic and ultrasonic energy radiating equipment .....	52
31	6.6.1 General .....	52
32	6.6.2 Ultrasonic sources .....	53
33	7 Non-metallic enclosures and non-metallic parts of enclosures .....	53
34	7.1 General .....	53
35	7.1.1 Applicability .....	53
36	7.1.2 Specification of materials .....	54
37	7.2 Thermal endurance .....	55
38	7.2.1 Tests for thermal endurance .....	55
39	7.2.2 Material selection .....	55
40	7.2.3 Alternative qualification of elastomeric sealing O-rings .....	55
41	7.3 Resistance to ultraviolet light .....	56
42	7.4 Electrostatic charges on external non-metallic materials .....	56
43	7.4.1 Applicability .....	56
44	7.4.2 Avoidance of a build-up of electrostatic charge for Group I or Group II .....	57

45	7.5	Attached external conductive parts.....	62
46	7.6	Electrostatic charges of cable sheaths .....	63
47	8	Metallic enclosures and metallic parts of enclosures .....	63
48	8.1	Material composition .....	63
49	8.2	Group I.....	63
50	8.3	Group II.....	63
51	8.4	Group III.....	63
52	8.5	Copper Alloys.....	64
53	9	Fasteners .....	64
54	9.1	General requirements for fasteners .....	64
55	9.2	Special fasteners .....	64
56	9.2.1	General.....	64
57	9.2.2	Holes for special fasteners.....	65
58	10	Interlocking devices .....	66
59	11	Bushings.....	66
60	12	(Reserved for future use) .....	66
61	13	Ex Components .....	66
62	13.1	General.....	66
63	13.2	Mounting.....	67
64	13.3	Internal mounting .....	67
65	13.4	External mounting .....	67
66	13.5	Ex Component certificate .....	67
67	14	Connection facilities.....	67
68	14.1	General.....	67
69	14.2	Type of Protection.....	67
70	14.3	Creepage and clearance .....	68
71	15	Connection facilities for earthing or bonding conductors .....	68
72	15.1	Equipment requiring earthing or bonding .....	68
73	15.1.1	Internal earthing.....	68
74	15.1.2	External bonding.....	68
75	15.1.3	Electrostatic bonding .....	68
76	15.2	Equipment not requiring earthing.....	68
77	15.3	Size of protective earthing conductor connection.....	69
78	15.4	Size of equipotential bonding conductor connection .....	69
79	15.5	Protection against corrosion.....	69
80	15.6	Secureness of electrical connections.....	69
81	15.7	Internal earth continuity plate .....	69
82	16	Entries into enclosures .....	70
83	16.1	General.....	70
84	16.2	Identification of entries .....	70
85	16.3	Cable glands.....	70
86	16.4	Blanking elements.....	71
87	16.5	Thread adapters.....	71
88	16.6	Temperature at branching point and entry point .....	71
89	17	Supplementary requirements for electric machines .....	72
90	17.1	General.....	72

91	17.2	Ventilation and cooling .....	72
92	17.2.1	Openings .....	72
93	17.2.2	External fans .....	73
94	17.2.3	Auxiliary motor cooling fans .....	73
95	17.2.4	Room ventilating fans .....	74
96	17.3	Bearings .....	75
97	18	Supplementary requirements for switchgear .....	75
98	18.1	Flammable dielectric .....	75
99	18.2	Disconnectors .....	75
100	18.3	Group I – Provisions for locking .....	76
101	18.4	Doors and covers .....	76
102	19	Supplementary requirements for factory-wiring between enclosures .....	76
103	20	Supplementary requirements for external plugs, socket-outlets and connectors for field	
104		wiring connection .....	76
105	20.1	General .....	76
106	20.2	Explosive gas atmospheres .....	77
107	20.3	Explosive dust atmospheres .....	77
108	20.4	Energized plugs .....	77
109	21	Supplementary requirements for luminaires .....	77
110	21.1	General .....	77
111	21.2	Covers for luminaires of EPL Mb, EPL Gb, or EPL Db .....	78
112	21.3	Covers for luminaires of EPL Gc or EPL Dc .....	78
113	21.4	Sodium lamps .....	78
114	21.5	Replacement lamps .....	79
115	22	Supplementary requirements for caplights and handlights .....	79
116	22.1	Group I caplights .....	79
117	22.2	Group II and Group III caplights and handlights .....	79
118	23	Equipment incorporating cells and batteries .....	79
119	23.1	General .....	79
120	23.2	Interconnection of cells to form batteries .....	79
121	23.3	Electrochemical systems of cells and batteries .....	79
122	23.4	Cells in a battery .....	82
123	23.5	Ratings of batteries .....	82
124	23.6	Interchangeability .....	82
125	23.7	Prohibition of charging of primary batteries .....	82
126	23.8	Leakage .....	82
127	23.9	Connections .....	82
128	23.10	Orientation .....	82
129	23.11	Replacement of cells or batteries .....	83
130	23.12	Replaceable battery pack .....	83
131	24	Documentation .....	83
132	24.1	Schedule drawings .....	83
133	24.2	Related drawings .....	83
134	25	Compliance of prototype or sample with documents .....	83
135	26	Type tests .....	83
136	26.1	General .....	83
137	26.2	Test configuration .....	84

138	26.3	Tests in explosive test mixtures .....	84
139	26.4	Tests of enclosures .....	84
140	26.4.1	Order of tests .....	84
141	26.4.2	Resistance to impact.....	86
142	26.4.3	Drop test.....	88
143	26.4.4	Acceptance criteria .....	88
144	26.4.5	Degree of protection (IP Code) by enclosures .....	88
145	26.5	Thermal tests .....	89
146	26.5.1	Temperature measurement .....	89
147	26.5.2	Thermal shock test .....	92
148	26.5.3	Small component ignition test (Group I and Group II) .....	92
149	26.6	Torque test for bushings .....	93
150	26.6.1	Test procedure.....	93
151	26.6.2	Acceptance criteria .....	94
152	26.7	Non-metallic enclosures or non-metallic parts of enclosures .....	94
153	26.7.1	General.....	94
154	26.7.2	Test temperatures.....	94
155	26.8	Thermal endurance to heat .....	94
156	26.9	Thermal endurance to cold.....	96
157	26.10	Resistance to UV light.....	96
158	26.10.1	General.....	96
159	26.10.2	Light exposure .....	97
160	26.10.3	Acceptance criteria .....	97
161	26.11	Resistance to chemical agents for Group I equipment .....	97
162	26.12	Earth continuity .....	97
163	26.13	Surface resistance test of parts of enclosures of non-metallic materials .....	99
164	26.14	Measurement of capacitance .....	100
165	26.14.1	General.....	100
166	26.14.2	Test procedure.....	100
167	26.15	Verification of ratings of ventilating fans .....	101
168	26.16	Alternative qualification of elastomeric sealing O-rings.....	101
169	26.17	Transferred charge test.....	101
170	26.17.1	Test equipment .....	101
171	26.17.2	Test sample .....	105
172	26.17.3	Test procedure.....	105
173	27	Routine tests .....	106
174	28	Manufacturer's responsibility.....	106
175	28.1	Conformity with the Schedule Drawings .....	106
176	28.2	Certificate .....	107
177	28.3	Responsibility for marking .....	107
178	29	Marking .....	107
179	29.1	Applicability.....	107
180	29.2	Location .....	107
181	29.3	General.....	107
182	29.4	Ex marking for explosive gas atmospheres.....	108
183	29.5	Ex marking for explosive dust atmospheres.....	110
184	29.6	Combined Types (or Levels) of Protection .....	113



185	29.7	Multiple Types of Protection .....	113
186	29.8	Ga equipment using two independent Gb Types (or Levels) of Protection .....	113
187	29.9	Boundary wall .....	113
188	29.10	Ex Components .....	113
189	29.11	Small Ex Equipment and small Ex Components .....	114
190	29.12	Extremely small Ex Equipment and extremely small Ex Components .....	114
191	29.13	Alternative marking of Ex Equipment and Ex Components using digital technology .....	115
192	29.14	Warning markings .....	115
193	29.15	Cells and batteries .....	115
194	29.16	Electric machines supplied by a converter .....	116
195	29.17	Examples of marking .....	116
196	30	Instructions .....	121
197	30.1	General .....	121
198	30.2	Cells and batteries .....	122
199	30.3	Electric machines .....	122
200	30.4	Ventilating fans .....	123
201	30.5	Cable glands .....	124
202	Annex A (normative)	Supplementary requirements for cable glands .....	125
203	A.1	General .....	125
204	A.2	Constructional requirements .....	125
205	A.2.1	Cable sealing .....	125
206	A.2.2	Filling compounds .....	126
207	A.2.3	Clamping .....	126
208	A.2.4	Lead-in of cable .....	127
209	A.2.5	Release by a tool .....	127
210	A.2.6	Fixing .....	127
211	A.2.7	Degree of protection (IP Code) rating .....	127
212	A.3	Type tests .....	127
213	A.3.1	Tests of clamping of non-armoured and braided cables .....	127
214	A.3.2	Tests of clamping of armoured cables .....	131
215	A.3.3	Type test for resistance to impact .....	132
216	A.3.4	Test for degree of protection (IP Code) rating of cable glands .....	133
217	A.4	Marking .....	134
218	A.4.1	Marking of cable glands .....	134
219	A.4.2	Identification of cable-sealing rings .....	134
220	A.5	Instructions .....	134
221	Annex B (normative)	Requirements for Ex Components .....	136
222	Annex C (informative)	Example of rig for resistance to impact test .....	139
223	Annex D (informative)	Electric machines supplied by a converter .....	140
224	Annex E (informative)	Temperature evaluation of electric machines .....	141
225	Annex F (informative)	Guidance flowchart for tests of non-metallic enclosures or non-metallic parts of enclosures (26.4) .....	144
226			
227	Annex G (informative)	Guidance flowchart for tests of cable glands .....	145
228	Annex H (informative)	Shaft voltages resulting in motor bearing or shaft brush sparking	
229		Discharge energy calculation .....	146
230	H.1	General .....	146
231	H.2	Assessment of the risk of ignition using ignition energy calculation .....	146

232	H.3	Shaft voltage determination for a rotating machine .....	147
233	H.4	Capacitance “C” calculation for a rotating machine .....	148
234	H.5	Energy “E” calculation for a rotating machine .....	150
235	H.6	Assessment using reference curves .....	150
236		Bibliography .....	152
237			
238		Figure 1 – Typical battery examples .....	26
239		Figure 2 – Typical battery compartment .....	28
240		Figure 3 – Typical replaceable battery pack .....	29
241		Figure 4 – Shield with electrostatic bonding .....	59
242		Figure 5 – Cylindrical shield with electrostatic bonding .....	59
243		Figure 6 – Tolerances and clearance for threaded fasteners .....	65
244		Figure 7 – Contact surface under head of fastener with a reduced shank .....	66
245		Figure 8 – Cable gland .....	72
246		Figure 9 – Conduit entry .....	72
247		Figure 10 – Assembly of test sample for earth-continuity test .....	99
248		Figure 11 – Test piece with painted electrodes .....	100
249		Figure 12 – Compression set of an O-ring .....	101
250		Figure 13 – Correct non-oscillating pulse trace (2) and Math1 trace (M1) .....	102
251		Figure 14 – Faulty oscillating pulse trace (2) and Math1 trace (M1) .....	103
252		Figure 15 – Shunt with four parallel resistors .....	103
253		Figure 16 – Schematic drawing of the method shunt and oscilloscope .....	104
254		Figure 17 – Zero-line trace (2) with low zero-point noise and Math1 trace (M1) .....	104
255		Figure A.1 – Illustration of the terms used for cable glands .....	126
256		Figure A.2 – Rounded edge of the point of entry of the flexible cable .....	127
257		Figure A.3 – Seal with multiple openings .....	128
258		Figure A.4 – Example of rig for resistance to impact test .....	133
259		Figure C.1 – Example of rig for resistance to impact test .....	139
260		Figure F.1 – Non-metallic enclosures or non-metallic parts of enclosures .....	144
261		Figure H.1 – Capacitance stored in bearing clearance of sleeve bearing Between journal and outer bearing housing .....	149
262			
263		Figure H.2 – Air-gap between stator and rotor .....	149
264		Figure H.3 – Typical surfaces that form capacitors from the motor shaft to earth .....	150
265		Figure H.4 – Capacitive ignition curves .....	151
266			
267		Table 1 – Classification of maximum surface temperatures for Group II equipment .....	48
268		Table 2 – Assessment of temperature classification according to component size .....	49
269		Table 3 – Assessment of temperature classification Component surface area $\geq 20 \text{ mm}^2$ .....	49
270		Table 4 – Threshold power .....	52
271		Table 5 – Threshold energy .....	52
272		Table 6 – Limitation of surface areas .....	59
273		Table 7 – Maximum diameter or width .....	59
274		Table 8 – Limitation of thickness of non-metallic layer .....	60

275	Table 9 – Maximum transferred charge .....	60
276	Table 10 – Maximum capacitance of unearthed conductive parts .....	62
277	Table 11 – Minimum cross-sectional area of PE conductors .....	69
278	Table 12 – Primary cells.....	80
279	Table 13 – Secondary cells .....	80
280	Table 14 – Impact tests.....	87
281	Table 14 – Torque to be applied to the stem of bushing used for connection facilities .....	94
282	Table 15 – Thermal endurance test .....	95
283	Table 16 – Thermal endurance tests – personal and portable equipment .....	96
284	Table 17 – Text of warning markings.....	115
285	Table 18 – Example of converter parameters .....	123
286	Table B.1 – Applicability of clauses to Ex Components .....	136
287	Table H.1 – Maximum permitted energy .....	147
288		
289		

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**EXPLOSIVE ATMOSPHERES –****Part 0: Equipment – General requirements****FOREWORD**

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312

313

314

315

316

317

318

319

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321

322

323

324

325

326

327

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330

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This eighth edition cancels and replaces the seventh edition, published in 2017. This edition constitutes a technical revision.

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335 The significance of the changes between IEC 60079-0, Edition 7 (2017) and IEC 60079-0, Edition 8 (20XX) are  
336 as listed below:

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Explanation of the significance of the changes	Clause	Type		
		Minor and editorial changes	Extension	Major technical changes
<i>Equipment</i> replaced by <i>Ex Equipment</i> where appropriate	General	X		
<i>Electrical equipment</i> replaced by <i>equipment</i> where appropriate	General	X		
Use of term <i>degree of protection (IP Code)</i> reviewed throughout the document for consistency	General	X		
Clarify the use of <i>volume fraction</i> terms	General	X		
Clarified the <i>documentation</i> is more clearly specified as <i>Schedule Drawings</i> .	General	X		
Added Note 4 to address short-term thermal excursions	1	X		
IEXC TS 60079-46 added	1	X		
IEC TS 60079-47 is added	1	X		
IEC 62784 is added	1	X		
ISO 80079-37 is added	1	X		
IEC 60079-20-1 is replaced by ISO/IEC 80079-20-1	1	X		
IEC 60243-2 is added	2	X		
Admitted term <i>minimum ignition temperature of an explosive gas atmosphere</i> added. Standard number corrected	3.6	X		
Definition for <i>reverse charging</i> clarified	3.7.10	X		
Figure added to typical <i>battery compartment</i>	3.7.14			
Definition for <i>brush discharge</i> added	3.8	X		
Definition for <i>bushing</i> clarified to be a insulating device	3.10	X		
Note 1 to entry for <i>certificate</i> revised to use declaration, acceptance, and certification terms in accordance with ISO/IEC 17000	3.13	X		
Note 1 to entry for <i>coating</i> added to clarify application in standards for explosive atmospheres	3.14	X		
Definition for <i>continuous operating temperature</i> revised to show that it is a manufacturer defined property. Added admitted term <i>continuous service temperature</i>	3.21	X		
Term <i>comparable converter</i> added along with domain <for use with electric machines> added	3.22.1	X		
Definition for dust clarified along with Note 1 to entry	3.25	X		
Note 2 to entry for <i>conductive dust</i> added to clarify how metal dust is considered	3.25.1.1	X		
Term <i>electrostatic bonding</i> along with admitted terms <i>electrostatic bonded</i> and <i>electrostatically bonded</i> added	3.30	X		
Note 1 to entry for <i>portable equipment</i> clarified to include equipment that is carried, but intended to be hand held when in use	3.33.4	X		
Term <i>EPL G-</i> added	3.36.6	X		
Term <i>EPL D-</i> added	3.36.10	X		
Term and definition for <i>explosion-protected</i> added	3.37	X		
Definition for <i>Ex Component</i> clarified	3.40	X		
Definition for <i>Ex Component Enclosure</i> added	3.41	X		