



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEx IMQ 20.0004X** Page 1 of 3 [Certificate history:](#)  
Status: **Current** Issue No: 0  
Date of Issue: 2020-09-25  
Applicant: **COELBO S.r.l**  
V. Santa Margherita, 83  
20861 Brugherio (MB) Italy  
**Italy**  
Equipment: **Command, control units and terminal boxes**  
Optional accessory: Series CBX...  
Type of Protection: **Ex eb tb for enclosures; Ex db eb ia ib mb [ib] for components**  
Marking: Ex eb IIC T6/T5/T4 Gb or  
Ex db eb ia/ib mb [ib] IIC T6/T5/T4 Gb <sup>(1)</sup>  
Ex tb IIIC T85°C/T100°C/T135°C Db  
  
Ex e IIC T6/T5/T4 Gb or  
Ex d e ia/ib mb [ib] IIC T6/T5/T4 Gb <sup>(1)</sup>  
Ex tb IIIC T85°C/T100°C/T135°C Db

<sup>(1)</sup> Others type of protection additional to Ex e depending to the components actually mounted.

Approved for issue on behalf of the IECEx  
Certification Body:

**Mr. Mauro CASARI**

Position:

**IMQ ExCB Manager**

Signature:  
(for printed version)

Date:

**2020-10-19**

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**Istituto Italiano del Marchio di Qualità S.p.A**  
**Via Quintiliano 43**  
**20138 Milano**  
**Italy**





# IECEx Certificate of Conformity

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Date of issue: 2020-09-25

Issue No: 0

Manufacturer: **COELBO**  
Via S.Margherita, 83  
I-20861 Brugherio (MB)  
Italy

Additional manufacturing locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

## STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

**IEC 60079-0:2011** Explosive atmospheres - Part 0: General requirements  
Edition:6.0

**IEC 60079-1:2014-06** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

**IEC 60079-1:2007-04** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:6

**IEC 60079-11:2011** Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
Edition:6.0

**IEC 60079-18:2014** Explosive atmospheres – Part 18: Equipment protection by encapsulation "m"  
Edition:4.0

**IEC 60079-18:2009** Explosive atmospheres Part 18: Equipment protection by encapsulation "m"  
Edition:3

**IEC 60079-31:2013** Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:2

**IEC 60079-31:2008** Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'  
Edition:1

**IEC 60079-7:2015** Explosive atmospheres – Part 7: Equipment protection by increased safety "e"  
Edition:5.0

**IEC 60079-7:2006-07** Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition:4

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

## TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[IT/IMQ/ExTR20.0004/00](#)

Quality Assessment Report:

[IT/CES/QAR10.0009/10](#)



# IECEx Certificate of Conformity

Certificate No.: **IECEx IMQ 20.0004X**

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Date of issue: 2020-09-25

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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

Ex db eb/Ex d e command, control units and Ex eb/Ex e terminal boxes series CBX... are assembled in enclosures made in stainless steel with IECEx component certificate.

All terminals and components are covered by their own Ex components certificates.

The terminals must be fitted in accordance with IEC 60079-0 and IEC 60079-7 with regard to creepage and clearance distances, and according to related safety instructions.

Enclosure with "tb" type of protection only, can receive terminals and other internal electrical devices even not covered by an IECEx and ATEX certificate. Maximum dissipated power according size of the enclosure must be anyway respected. If operators are mounted on the lid, they must be certified according IEC 60079-0 and IEC 60079-31 standards.

The cover is fixed to the body with screws or with hinges and screws or hinges and locks. Between body and cover a gasket guarantee the protection degree IP66. The walls of the boxes can be drilled and taped with maximum size and maximum number of holes as specified in the manufacturer documents.

Some models can be supplied with separate gland plates, suitable to be drilled according to manufacturer's instructions. The plate is assembled onto lateral sides of enclosure by means of screws. Protection degree is provided by a gasket between plate and enclosure side, and by suitable washer for screws. IP65 or IP66 depending on gasket used on lateral gland plates.

The cable glands or plugs, with separate IECEx certificate, are mounted according to related manufacturer's installation instructions. Each enclosure is provided with internal earthing certified terminal or earthing screw or bolt. Metal enclosures are provided by external earthing screw or bolt.

With reference to marking, the others type of protection additional to Ex e/Ex eb depending to the components actually mounted.

Additional information in Annex.

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

- The ratings specified are maximum values, actual values will be subject to the electrical equipment/component used from case to case. Depending on the system conditions, the mode of operation, the utilization category, etc., the manufacturer will define ratings which will be within the range of these limiting values and will comply with the relevant standards.
- The type and number of terminals and components which can be installed in the various enclosures is indicated in detail, together with the maximum admissible currents in manufacturer's documents.
- When selecting the permitted continuous current for cross section, the maximum permitted electrical current for the terminals and the connecting cable or conductor should be taken into consideration.

## **Annex:**

[IECEx IMQ 20.0004 X issue No. 0 Annex.pdf](#)

## General description

Ex db eb/Ex d e command, control units and Ex eb/Ex e terminal boxes series CBX... are assembled in enclosures made in stainless steel with IECEx component certificate.

All terminals and components are covered by their own Ex components certificates.

The terminals must be fitted in accordance with IEC 60079-0 and IEC 60079-7 with regard to creepage and clearance distances, and according to related safety instructions.

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The cable glands or plugs, with separate IECEx certificate, are mounted according to related manufacturer's installation instructions. Each enclosure is provided with internal earthing certified terminal or earthing screw or bolt. Metal enclosures are provided by external earthing screw or bolt.

With reference to marking, the others type of protection additional to Ex e/Ex eb depending to the components actually mounted.

## Design options and Key code

Material	Series CBX...	Stainless steel
Electrical data	Maximum rated voltage: 1000 Vac/dc Maximum rated current: 350 A	
Ambient temperature	-60/-55/-50/-45/-40/-35/-30/-25/-20 °C + +40/+45/+50/+55/+60/+65°C	
Temperature class	T6/T5/T4 for gas and T85°C/T100°C/T135°C for dust	

Key code	
<b>CBX [a][b][c]-[d]-[nFC][nFL]</b>	
<b>CBX</b>	indicates enclosures series
<b>[a][b][c]</b>	indicate the dimensions of width, length and depth of the box in cm (see table below)
<b>[d]</b>	indicates VV= lid closed with screws CV= lid with hinges, closed with screws CC= lid with hinges, closed with locking device
<b>[nFC]</b>	number (n) of flanges short side (when provided)
<b>[nFL]</b>	number (n) of flanges long side (when provided)

## Conditions of use (X):

- The ratings specified are maximum values, actual values will be subject to the electrical equipment/component used from case to case. Depending on the system conditions, the mode of operation, the utilization category, etc., the manufacturer will define ratings which will be within the range of these limiting values and will comply with the relevant standards.
- The type and number of terminals and components which can be installed in the various enclosures is indicated in detail, together with the maximum admissible currents in manufacturer's documents.
- When selecting the permitted continuous current for cross section, the maximum permitted electrical current for the terminals and the connecting cable or conductor should be taken into consideration.

### Manufacturer's documentation:

Instruction for use code IS-CBX\_IEC rev.01, dated 2020.09.16.

### Models sizes

Enclosure code	Nominal dimension (mm)	WIDTH (mm)	HEIGHT (mm)	DEPTH (mm)	Minimum thickness (mm)
CBX 13 13 09	130x130x90	130+170	130+170	90+100	1,2
CBX 14 14 09	140x140x90	140+170	140+170	90+130	1,2
CBX 17 17 09	170x170x90	170+220	170+220	90+100	1,2
CBX 22 12 09	220x120x90	220+270	120+170	90+100	1,2
CBX 22 16 09	220x165x90	220+270	165+200	90+150	1,5
CBX 22 22 09	220x220x90	220+270	220+270	90+150	1,5
CBX 33 22 11	330x220x110	330+400	220+300	110+150	1,5
CBX 33 33 11	330x330x110	330+400	330+400	110+150	1,5
CBX 40 40 13	400x400x130	400+490	400+490	130+150	1,5
CBX 44 22 13	440x220x130	440+530	220+300	130+150	1,5
CBX 44 33 13	440x330x130	440+530	330+400	130+150	1,5
CBX 49 36 13	490x365x130	490+600	365+450	130+150	1,5
CBX 50 40 13	500x400x130	500+600	400+490	130+150	1,5
CBX 52 42 13	520x420x130	520+600	420+500	130+150	1,5
CBX 60 20 13	600x200x130	600+720	200+280	130+150	1,5
CBX 63 48 13	630x480x130	630+900	480+680	130+150	1,5
CBX 74 40 13	740x400x130	740+1000	400+750	130+150	1,5
CBX 80 60 13	800x600x130	750+1100	600+850	130+150	1,5
CBX 22 16 09	220x165x150	220+270	165+200	150+225	1,5
CBX 22 22 15	220x220x150	220+270	220+270	150+225	1,5
CBX 33 22 15	330x220x150	330+400	220+300	150+225	1,5
CBX 33 33 15	330x330x150	330+400	330+400	150+225	1,5
CBX 40 40 15	400x400x150	400+490	400+490	150+225	1,5
CBX 44 22 15	440x220x150	440+530	220+300	150+225	1,5
CBX 44 33 15	440x330x150	440+530	330+400	150+225	1,5
CBX 49 36 15	490x365x150	490+600	365+450	150+225	1,5
CBX 50 40 15	500x400x150	500+600	400+490	150+225	1,5
CBX 52 42 15	520x420x150	520+600	420+500	150+250	1,5
CBX 60 20 15	600x200x150	600+720	200+280	150+250	1,5
CBX 63 48 15	630x480x150	630+900	480+680	150+250	1,5
CBX 74 40 15	740x400x150	740+1000	400+750	150+300	1,5
CBX 80 60 15	800x600x150	800+1100	600+850	150+300	1,5
CBX 10 10 09*	100X100X90	100+135	100+155	90+100	1,2
CBX 10 16 09*	100X160X90	100+135	160+215	90+100	1,2
CBX 10 22 09*	100X220X90	100+135	220+275	90+100	1,2
CBX 10 28 09*	100X280X90	100+135	280+300	90+100	1,2

NOTE: Enclosure dimensions can be increased/decreased up to ones included in the ranges listed in Columns "Width", "Height", "Depth" in Table above. Model name changes consequently, following the criteria shown in Key code.  
 The thickness of enclosures mentioned in Table is the minimum allowable. The maximum thickness is 3 mm.





### Power dissipation

The maximum allowed power dissipation **P<sub>d</sub>** within the range of CBX boxes is indicated in following table, along with the parameter **S** that gives the temperature rise (in K) inside each enclosure for each watt of power dissipated:

Size	S (K/W)	T6						T5						T4					
		+40°C	+45°C	+50°C	+55°C	+60°C	+65°C	+40°C	+45°C	+50°C	+55°C	+60°C	+65°C	+40°C	+45°C	+50°C	+55°C	+60°C	+65°C
CBX_101009	6.22	6,4	5,6	4,8	4,0	3,2	2,4	8,8	8,0	7,2	6,4	5,6	4,8	14,5	13,7	12,9	12,1	11,3	10,5
CBX_101609	4.40	9,1	8,0	6,8	5,7	4,5	3,4	12,5	11,4	10,2	9,1	8,0	6,8	20,5	19,3	19,2	17,0	15,9	14,8
CBX_102209 <sup>(1)</sup>	12.8	3,1	2,7	2,3	2,0	1,6	1,2	4,3	3,9	3,5	3,1	2,7	2,3	7,0	6,6	6,3	5,9	5,5	5,1
CBX_102809 <sup>(1)</sup>	9.34	4,3	3,7	3,2	2,7	2,1	1,6	5,9	5,4	4,8	4,3	3,7	3,2	9,6	9,1	8,6	8,0	7,5	7,0
CBX_131309	4.33	9,2	8,1	6,9	5,8	4,6	3,5	12,7	11,6	10,4	9,2	8,1	6,9	20,8	19,6	18,5	17,3	16,2	15,0
CBX_141409	3.90	10,3	9,0	7,7	6,4	5,1	3,9	14,1	12,8	11,6	10,3	9,0	7,7	23,1	21,8	20,5	19,3	18,0	16,7
CBX_171709	2.94	13,6	11,9	10,2	8,5	6,8	5,1	18,7	17,0	15,3	13,6	11,9	10,2	30,6	28,9	27,2	25,5	23,8	22,1
CBX_221209	2.70	14,8	13,0	11,1	9,3	7,4	5,6	20,4	18,5	16,7	14,8	13,0	11,1	33,3	31,5	29,6	27,8	25,9	24,1
CBX_221609	2.52	15,9	13,9	11,9	9,9	7,9	6,0	21,8	19,9	17,9	15,9	13,9	11,9	35,7	33,8	31,8	29,8	27,8	25,8
CBX_221615	1.68	23,8	20,9	17,9	14,9	11,9	8,9	32,8	29,8	26,8	23,8	20,9	17,9	53,6	50,7	47,7	44,7	41,7	38,7
CBX_222209	1.62	24,7	21,6	18,5	15,4	12,3	9,3	34,0	30,9	27,8	24,7	21,6	18,5	55,6	52,5	49,4	46,3	43,2	40,1
CBX_222215	1.36	29,5	25,8	22,1	18,4	14,7	11,0	40,5	36,8	33,1	29,5	25,8	22,1	66,3	62,6	58,9	55,2	51,5	47,9
CBX_332211	1.18	33,9	29,7	25,4	21,2	16,9	12,7	46,6	42,4	38,1	33,9	29,7	25,4	76,2	72,0	67,8	63,5	59,3	55,1
CBX_332215	1.00	40,0	35,0	30,0	25,0	20,0	15,0	55,0	50,0	45,0	40,0	35,0	30,0	90,1	85,1	80,0	75,0	70,0	65,0
CBX_333311	0.88	45,6	39,9	34,2	28,5	22,8	17,1	62,7	57,0	51,3	45,6	39,9	34,2	102,7	97,0	91,3	85,6	79,9	74,2
CBX_333315	0.75	53,2	46,6	39,9	33,3	26,6	20,0	73,2	66,5	59,9	53,2	46,6	39,9	119,7	113,1	106,4	99,8	93,1	86,5
CBX_404013	0.65	62,0	54,2	46,5	38,7	31,0	23,2	85,2	77,5	69,7	62,0	54,2	46,5	139,5	131,7	124,0	116,2	108,5	100,7
CBX_404015	0.56	71,5	62,5	53,6	44,7	35,7	26,8	98,3	89,3	80,4	71,5	62,5	53,6	160,8	151,9	143,0	134,0	125,1	116,2
CBX_442213	1.86	21,5	18,8	16,1	13,4	10,7	8,0	29,5	26,8	24,1	21,5	18,8	16,1	48,3	45,6	42,9	40,2	37,6	34,9
CBX_442215	1.47	27,2	23,8	20,4	17,0	13,6	10,2	37,5	34,1	30,7	27,2	23,8	20,4	61,3	57,9	54,5	51,1	47,7	44,3
CBX_443313	0.69	57,7	50,5	43,3	36,1	28,8	21,6	79,3	72,1	64,9	57,7	50,5	43,3	129,8	122,6	115,4	108,2	101,0	93,8
CBX_443315	0.60	66,8	58,4	50,1	41,7	33,4	25,0	91,8	83,4	75,1	66,8	58,4	50,1	150,2	141,9	133,5	125,2	116,8	108,5
CBX_493613	0.59	67,6	59,1	50,7	42,2	33,8	25,3	92,9	84,5	76,0	67,6	59,1	50,7	152,1	143,6	135,2	126,7	118,3	109,8
CBX_493615	0.51	77,8	68,0	58,3	48,6	38,9	29,2	106,9	97,2	87,5	77,8	68,0	58,3	174,9	165,2	155,5	145,8	136,1	126,3
CBX_504013	0.54	74,7	65,3	56,0	46,7	37,3	28,0	102,7	93,3	84,0	74,7	65,3	56,0	168,0	158,7	149,3	140,0	130,7	121,3
CBX_504015	0.47	85,5	74,8	64,2	53,5	42,8	32,1	117,6	106,9	96,2	85,5	74,8	64,2	192,5	181,8	171,1	160,4	149,7	139,0
CBX_524213	0.50	80,3	70,2	60,2	50,2	40,1	30,1	110,4	100,4	90,3	80,3	70,2	60,2	180,6	170,6	160,6	150,5	140,5	130,5
CBX_524215	0.44	91,7	80,3	68,8	57,3	45,9	34,4	126,1	114,6	103,2	91,7	80,3	68,8	206,4	194,9	183,4	172,0	160,5	149,0
CBX_602013	1.34	29,9	26,2	22,4	18,7	15,0	11,2	41,1	37,4	33,7	29,9	26,2	22,4	67,3	63,6	59,9	56,1	52,4	48,6
CBX_602015	1.05	37,9	33,2	28,4	23,7	19,0	14,2	52,1	47,4	42,7	37,9	33,2	28,4	85,3	80,6	75,8	71,1	66,4	61,6
CBX_634813	0.38	105,8	92,6	79,3	66,1	52,9	39,7	145,4	132,2	119,0	105,8	92,6	79,3	238,0	224,8	211,6	198,3	185,1	171,9
CBX_634815	0.33	119,7	104,7	89,7	74,8	59,8	44,9	164,5	149,6	134,6	119,7	104,7	89,7	269,2	254,3	239,3	224,4	209,4	194,4
CBX_744013	0.49	81,0	70,9	60,8	50,6	40,5	30,4	111,4	101,3	91,1	81,0	70,9	60,8	182,3	172,2	162,0	151,9	141,8	131,7
CBX_744015	0.41	97,7	85,5	73,3	61,1	48,9	36,7	134,4	122,2	110,0	97,7	85,5	73,3	219,9	207,7	195,5	183,3	171,0	158,8
CBX_806013	0.24	166,7	145,8	125,0	104,2	83,3	62,5	229,2	208,3	187,5	166,7	145,8	125,0	375,0	354,2	333,3	312,5	291,7	270,8
CBX_806015	0.23	173,9	152,2	130,4	108,7	87,0	65,2	239,1	217,4	195,7	173,9	152,2	130,4	391,3	369,6	347,8	326,1	304,3	282,6

<sup>(1)</sup> Values valid when enclosure is installed with long side in vertical position. If installed with long side in horizontal position same values of CBX 221209 can be considered.

### Use of components covered by separate IECEx Certificates

The full list of components that can be fitted with the enclosures is available on ExTR and in Manufacturer's documentation. The restrictions of each components are detailed in descriptive documents of the manufacturers.

The table below details the components covered by separate IECEx Certificates related to older editions of the standards that can be fitted with the enclosures.

Manufacturer	Description	IEC Ex Certificate	Standard	Gap analysis review result (ExTAG DS 2014-001)
Stahl	Actuators Series 8602/1 Series 8602/2	IECEX PTB 06.0014U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0 IEC 60079-31:2008 Ed. 1	No applicable major Technical differences.
Stahl	Control Switch Series 8008/2	IECEX PTB 06.0010U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-1:2007 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	No applicable major Technical differences.
Stahl	Load and Motor Switch Series 8006/4	IECEX PTB 06.0018U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-1:2007 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	No applicable major Technical differences.
Stahl	Load and Motor Switch, Load-Break Switch Series 8544	IECEX PTB 09.0011U	IEC 60079-0: 2007 Ed. 5.0 IEC 60079-1:2007 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	To be used with IEC 60079-1:2007 and IEC 60079-7:2006
Stahl	Load and Motor Switch, Load-Break Switch Series 8549	IECEX PTB10.0053U	IEC 60079-0: 2007 Ed. 5.0 IEC 60079-1:2007 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	No applicable major Technical differences.
Stahl	Miniature Circuit Breaker Series 8562	IECEX PTB 06.0062U	IEC 60079-0: 2007 Ed. 5.0 IEC 60079-1:2007 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	No applicable major Technical differences.
Stahl	Circuit-Breakers for Motor Protection Series 8523/8	IECEX BVS 08.0039U	IEC 60079-0: 2004 Ed. 4.0 IEC 60079-1:2003 Ed. 5.0 IEC 60079-7:2006 Ed. 4.0	No applicable major Technical differences.
Stahl	Control Buttons Series 8082	IECEX PTB 06.0011U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-1:2007 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	No applicable major Technical differences.
Stahl	LED Indicating Lamp Series 8010/2 8010/3	IECEX PTB 06.0016U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-1: 2007 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0 IEC 60079-11: 2011 Ed. 4.0	No applicable major Technical differences.
Stahl	Contactors Series 8510	IECEXBVS 07.0029U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-1: 2014 Ed. 7.0 IEC 60079-7:2006 Ed. 4.0 IEC 60079-11: 2011 Ed. 4.0	No applicable major Technical differences.
Stahl	Control unit Series 8208	IECEXPTB 06.0032U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-1:2007 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	No applicable major Technical differences.
Stahl	Control unit Series 8453	IECEX PTB 06.0031U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-1:2007 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	No applicable major Technical differences.

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Manufacturer	Description	IEC Ex Certificate	Standard	Gap analysis review result (ExTAG DS 2014-001)
Stahl	Ammeter / Voltmeter Series 8403, 8404, 8405	IECEx PTB 06.0017U	IEC 60079-0: 2000 Ed. 3.1 IEC 60079-7: 2001 Ed. 3 IEC 60079-18:1992 Ed. 1	No applicable major Technical differences.
Stahl	Actuator flap type 8611	IECEx PTB 06.0047U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-7:2006 Ed. 4 IEC 60079-31:2008 Ed. 1	No applicable major Technical differences.
Stahl	Bezel for Measuring and Indicating Devices, Type 8603/..	IECEx PTB 06.0083U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-7:2006 Ed. 4 IEC 60079-31:2008 Ed. 1	No applicable major Technical differences.
Appleton	Fuse holder FU40	IECEx LCIE 15.0007U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-1: 2007 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	No applicable major Technical differences.
Pepperl+Fuchs	Multi Function Terminal	IECEx BKI 08.0008U	IEC 60079-0: 2004 Ed. 4.0 IEC 60079-1: 2003 Ed. 5.0 IEC 60079-7:2001 Ed. 3.0	No applicable major Technical differences.
Nuova ASP	Control switch type IRE	IECEx LCIE 13.0004U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-1: 2007 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	To be used with IEC 60079-1:2007 and IEC 60079-7:2006
Nuova ASP	Pushbutton type PBE	IECEx LCIE 13.0006U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-1: 2007 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	No applicable major Technical differences.
Nuova ASP	Signal lamp type LIE	IECEx LCIE13.0017U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-1: 2007 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	To be used with IEC 60079-1:2007 and IEC 60079-7:2006
Nuova ASP	Breather drain type V	IECEx TUN11.0038U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-1:2007 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0 IEC 60079-31:2008 Ed. 1.0	No applicable major Technical differences.
Quintex	Switch module type QX0201	IECEx EPS 11.0011U	IEC 60079-0: 2007 IEC 60079-1:2007 IEC 60079-7:2006 IEC 61241-0:2004 IEC 61241-1:2004	No applicable major Technical differences.
Quintex	Signal lamp module type QX0202	IECEx EPS 11.0012U	IEC 60079-0: 2007 IEC 60079-1:2007 IEC 60079-7:2006 IEC 61241-0:2004 IEC 61241-1:2004	No applicable major Technical differences.
Quintex	Potentiometer module QX0203	IECEx EPS 11.0013U	IEC 60079-0: 2007 IEC 60079-1:2007 IEC 60079-7:2006 IEC 61241-0:2004 IEC 61241-1:2004	No applicable major Technical differences.
Quintex	Ammeter module QX0205	IECEx EPS 11.0014U	IEC 60079-0: 2007 IEC 60079-7:2006 IEC 61241-0:2004 IEC 61241-1:2004	No applicable major Technical differences.



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Quintex	Signal lamp with button module QX0212	IECEx EPS 11.0015U	IEC 60079-0: 2007 IEC 60079-1:2007 IEC 60079-7:2006 IEC 61241-0:2004 IEC 61241:1-2004	No applicable major Technical differences.
Bartec	Actuating elements 05-0003*00**	IECEx PTB 08.0037U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-7: 2006 Ed. 6.0 IEC 60079-31: 2008 Ed. 1.0	No applicable major Technical differences.
Bartec	Control and switching unit type 07-337*	IECEx PTB 10.0017U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-1:2014 Ed. 7.0 IEC 60079-7: 2006 Ed. 4.0	No applicable major Technical differences.
Bartec	Fuse element type 07-7311-61..	IECEx PTB 11.0086U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-1:2014 Ed. 7.0 IEC 60079-7: 2006 Ed. 4	No applicable major Technical differences.
Bartec	Isolator terminal type 07-7311-613.	IECEx PTB 11.0087U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-1:2014 Ed. 7.0 IEC 60079-7: 2006 Ed. 4	No applicable major Technical differences.
Stahl	Ethernet terminal series 8187	IECEx IBE 12.0029U	IEC 60079-0: 2007 Ed. 5.0 IEC 60079-7:2006 Ed. 4	No applicable major Technical differences.
Weidmuller	Earth busbar assembly NSCH 1M	IECEx ULD13.0005U	IEC 60079-0: 2007 Ed. 5.0 IEC 60079-7:2006 Ed. 4	No applicable major Technical differences.
RIBCO	Breathing and draining devices and bulkheads type V**S, VD**S, VF**S, VDF**S, P**S	IECEx INE 14.0045U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-1: 2007 Ed. 7.0 IEC 60079-7:2006 Ed. 4 IEC 60079-31:2008 Ed. 1	No applicable major Technical differences.
CZ Explosion Proof	Circuit breaker module CZ0511...	IECEx CQM 10.0004U	IEC 60079-0: 2007 IEC 60079-1:2007 IEC 60079-7:2006	To be used with IEC 60079-1:2007 and IEC 60079-7:2006.
CZ Explosion Proof	Electric apparatus module CZ0512...	IECEx CQM 10.0005U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-1: 2014 Ed. 7.0 IEC 60079-7:2006 Ed. 4.0	No applicable major Technical differences.
CZ Explosion Proof	Load isolation switch module CZ0513...	IECEx CQM 10.0006U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-1: 2014 Ed. 7.0 IEC 60079-7:2006 Ed. 4.0	No applicable major Technical differences.
CZ Explosion Proof	Fuses module CZ0804...	IECEx CQM 11.0009U	IEC 60079-0: 2007 Ed. 5.0 IEC 60079-7:2006 Ed. 4.0 IEC 60079-18:2009 Ed. 3.0	To be used with IEC 60079-7:2006 and IEC 60079-18:2009
CZ Explosion Proof	Voltmeter and ammeter module type CZ0205-.../.	IECEx CQM 14.0034U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0 IEC 60079-18:2009 Ed. 3.0	No applicable major Technical differences.
CZ Explosion Proof	Isolation switch module CZ0207	IECEx CQM 15.0034U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-1:2014 Ed 7.0 IEC 60079-7:2006 Ed. 4.0	No applicable major Technical differences.

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Manufacturer	Description	IEC Ex Certificate	Standard	Gap analysis review result (ExTAG DS 2014-001)
CZ Explosion Proof	Actuating flap type 80..	IECEX CQM 11.0037U	IEC 60079-0: 2007Ed. 5.0 IEC 60079-7:2006 Ed. 4.0 IEC 61241-0:2004 Ed. 1 IEC 61241-1:2004 Ed. 1	To be used with IEC 60079-7:2006.
Cabur	Terminals type TC/DIN and TC/PO	IECEX CES 11.0020U	IEC 60079-0: 2007 Ed. 5.0 IEC 60079-7:2006 Ed. 4.0	To be used with IEC 60079-7:2006.
Cabur	Terminals type GPM and GPM/FIX	IECEX CES 13.0012U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	No applicable Major Technical Differences
Weidmuller	Terminals type SAK and EK	IECEX KEM 06.0014U	IEC 60079-0: 2004 Ed. 4.0 IEC 60079-7:2001 Ed. 3.0	To be used with IEC 60079-7:2006.
Weidmuller	Terminals type AKZ	IECEX SIR 05.0038U	IEC 60079-0: 2004 Ed. 4.0 IEC 60079-7:2001 Ed. 3.0	To be used with IEC 60079-7:2006.
Weidmuller	Terminals type WDU 2.5/TC	IECEX SIR 05.0039U	IEC 60079-0: 2004 Ed. 4.0 IEC 60079-7:2001 Ed. 3.0	To be used with IEC 60079-7:2006.
Weidmuller	Terminals type BK2..12	IECEX SIR 05.0035U	IEC 60079-0: 2004 Ed. 4.0 IEC 60079-7:2001 Ed. 3.0	To be used with IEC 60079-7:2006.
Weidmuller	Terminals type WDK	IECEX ULD 05.0008U	IEC 60079-0: 2004 Ed. 4.0 IEC 60079-7:2001 Ed. 3.0	To be used with IEC 60079-7:2006.
Phoenix Contact	Terminals type QTC 1.5	IECEX KEM 07.0015U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	No applicable Major Technical Differences
Phoenix Contact	Terminals type QTC 2.5	IECEX KEM 07.0010U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	No applicable Major Technical Differences

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Phoenix Contact	Terminals type ST 1.5	IECEX KEM 06.0043U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	No applicable Major Technical Differences
Phoenix Contact	Terminals type ST 2.5	IECEX KEM 06.0051U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	No applicable Major Technical Differences
Phoenix Contact	Terminals type ST 4/6	IECEX KEM 06.0050U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	No applicable Major Technical Differences
Phoenix Contact	Terminals type ST 10/16/35	IECEX KEM 06.0033U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	No applicable Major Technical Differences
Phoenix Contact	Terminals type UK 1.5/3/5/6N	IECEX KEM 06.0034U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	No applicable Major Technical Differences
Phoenix Contact	Terminals type UK 2.5N	IECEX KEM 06.0034U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	No applicable Major Technical Differences
Phoenix Contact	Terminals type UK 10/16/35 and UKH 50/95	IECEX KEM 06.0029U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	No applicable Major Technical Differences
Phoenix Contact	Terminals type UKH 150/240	IECEX KEM 06.0030U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	No applicable Major Technical Differences
Weidmuller	Feed through and protective conductor terminals with accessories - WDU*, WPE* and accessories ZQV*, WQV*, WAP*, WEW*, WTW*, LS 2.8	IECEX ULD 14.0005U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	No applicable Major Technical Differences

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Weidmuller	Feed through and protective conductor terminals with accessories, WDK and accessories ZQV, WQV, WAP, WEW, WTW, LS 2.8	IECEX ULD 15.0003U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	No applicable Major Technical Differences
Weidmuller	Feed through stud conductor terminals with accessories, WFF, WTW, WEW, WQL	IECEX ULD 15.0004U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	No applicable Major Technical Differences
Phoenix Contact	Terminal blocks MUT 2.5, MUT 4	IECEX SEV 13.0012U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	To be used with IEC 60079-7:2006.
Phoenix Contact	Terminal blocks UT4-TWIN HV; UT4-QUATTRO HV	IECEX SEV 13.0004U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	To be used with IEC 60079-7:2006.
Phoenix Contact	Feed through terminal block type RBO..	IECEX SEV 13.0003U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	To be used with IEC 60079-7:2006.
Phoenix Contact	Terminal blocks PT 4**; PTTB 4**	IECEX PTB 10.0046U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	To be used with IEC 60079-7:2006.
Phoenix Contact	Terminal blocks PT 2,5**; PTTB 2,5**	IECEX PTB 10.0021U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	To be used with IEC 60079-7:2006.
Phoenix Contact	Feed through terminal block type MSB 2,5**; MSDB 2,5***; MSDB 2,5***-PE	IECEX PTB 08.0048U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	To be used with IEC 60079-7:2006.
Phoenix Contact	Feed through terminal block type MXK4	IECEX PTB 06.0100U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	No applicable Major Technical Differences

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Manufacturer	Description	IEC Ex Certificate	Standard	Gap analysis review result (ExTAG DS 2014-001)
Phoenix Contact	Device terminal block type G5/**-EX	IECEX PTB 06.0043U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	To be used with IEC 60079-7:2006.
Phoenix Contact	Terminal blocks and protective conductor terminal blocks series MBK and MSLKG	IECEX KEM 07.0008U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	No applicable Major Technical Differences
Phoenix Contact	Quick connection terminal blocks series QTCS 1,5; QTCU 1,5 and quick connection protective conductor terminal blocks series QTCS 1,5-PE; QTCU 1,5-PE	IECEX KEM 07.0007U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	No applicable Major Technical Differences
Phoenix Contact	Protective conductor terminal blocks series USLKG	IECEX KEM 06.0035U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	No applicable Major Technical Differences
Phoenix Contact	Protective conductor terminal blocks series UT, UTTB	IECEX KEM 06.0013U	IEC 60079-0: 2011 Ed. 6.0 IEC 60079-7:2006 Ed. 4.0	No applicable Major Technical Differences