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

Certificate No.: **IECEx IMQ 19.0005X**

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Certificate history:
Issue 2 (2022-03-23)
Issue 1 (2020-06-01)
Issue 0 (2019-10-24)

Status: **Current**

Issue No: 3

Date of Issue: 2025-01-17

Applicant: **SCAME PARRE S.p.A.**
Via Costa Erta, 15 – 24020 Parre Ponte Selva (BG)
Italy

Equipment: **Junction boxes and command and control stations Zenith-P series (type 644.xxxx) and Zenith-S series (type 645.Bxxxx, type 645.Cxxxxxx and type 645.Dxxxxxx)**

Optional accessory:

Type of Protection: **Ex eb; Ex tb; additional protection modes depending on components actually installed, see more details in Annex**

Marking:

Ex eb IIC T6/T5/T4 Gb or
Ex eb ia IIC T6/T5/T4 Gb or
Ex ia IIC T6/T5/T4 Ga or
Ex db eb IIC T6/T5/T4 Gb (1) or
Ex db eb mb IIC T6/T5/T4 Gb (1) or
Ex eb mb IIC T6/T5/T4 Gb (1)
Ex tb IIIC T80°C/T95°C/T130°C Db

Ex e IIC T6/T5/T4 Gb or
Ex e ia IIC T6/T5/T4 Gb or
Ex ia IIC T6/T5/T4 Ga or
Ex d e IIC T6/T5/T4 Gb (1) or
Ex d e mb IIC T6/T5/T4 Gb (1) or
Ex e mb IIC T6/T5/T4 Gb (1)
Ex tb IIIC T80°C/T95°C/T130°C Db

(1) 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:
(for printed version)

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2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.

Certificate issued by:

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

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IECEx Certificate of Conformity

Manufacturer: **SCAME PARRE S.p.A.**
Via Costa Erta, 15 – 24020 Parre Ponte Selva (BG)
Italy

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 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

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

IEC 60079-1:2007 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 60079-18:2017 Explosive atmospheres - Part 18: Protection by encapsulation "m"
Edition:4.1

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

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

IEC 60079-7:2006 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/ExTR19.0009/03

Quality Assessment Report:

IT/IMQ/QAR15.0001/09

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IECEx Certificate of Conformity

EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The ZENITH-P command/control units and terminal boxes range are assembled in 20 sizes of enclosure type 644.xxxx manufactured in GRP glass reinforced polyester with 4 mm thickness with service temperature range -60°C÷+100°C with silicon rubber gasket.

The ZENITH-P junction boxes are suitable for installation in zone 0/1 and zone 21 with type of protections Ex eb /Ex e and Ex ia; the ZENITH-P CONTROL STATION are suitable for installation in zone 1 and zone 21 with type of protections additional to Ex e depending to the components mounted.

The ZENITH-S command/control units and terminal boxes range comprises 14 sizes of enclosures type 645.Bxxxx with lid fixed with screws, 25 sizes of enclosures type 645.Cxxxxxx with hinges, gland plates and keylock, 14 sizes of enclosures type 645.Dxxxxxx with hinges, flanges, keylock and welded mounting bracket, all the enclosures can be equipped with windows. All the enclosures are made in stainless steel AISI304L or AISI316L with minimum 1,2 mm of thickness with silicon gasket. The ZENITH-S junction boxes are suitable for installation in zone 0/1 and zone 21 with type of protection Ex eb/Ex e and Ex ia; the ZENITH-S CONTROL STATION are suitable for installation in zone 1 and zone 21 with type of protections additional to Ex e/eb depending to the components mounted.

The ZENITH-P and ZENITH-S enclosures have separate component certificate: IECEx IMQ 19.0004 U and IMQ 19 ATEX 033 U.

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

The terminals must be fitted in accordance with EN/IEC 60079-0 and EN/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 EN/IEC 60079-0 and EN/IEC 60079-31 standards.

The cover is fixed to the body with screws (for Zenith-P and S) or with hinges and keylock (only Zenith-S). 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.

The cable glands or plugs, with separate ATEX and 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.

Zenith-P and Zenith-S series can be equipped with components IECEx/ATEX certified.

Evaluation of suitability towards editions of the standards mentioned in the Certificate has been carried out.

Nameplate will be filled with data accordingly to component features.

Zenith-P and Zenith-S… series can be equipped with the components IECEx certified, according to list given in Manufacturer's documentation.

More details 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 the Technical Details STP0021, STP0022, STP0018, STP0017 annexed to 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.
- The accessories used for cable entries and for closing unused openings shall be certified according to IEC 60079-0, IEC 60079-7 and IEC 60079-31 standards. A minimum degree of protection IP66 shall be guaranteed according to IEC 60529 standard.

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Date of issue: 2025-01-17 Issue No: 3

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1:

- added enclosures type 645.Cxxxxxx and 645.Dxxxxxx for Zenith-S series.
- added components and terminals, covered by separate IECEx certificates, that can be fitted with enclosures.
- extended ambient temperature range to + 95°C.

Issue 2

- For series ZENITH-P: added junction KIT SL-00059 and new size enclosure;
- For series ZENITH-S: added optional earth-stud;
- added components and terminals, covered by separate IECEx certificates, that can be fitted with enclosures.
- Standard update.

Issue 3

- Added new component and terminal, covered by separated IECEx certificate, that can be fitted with enclosures.

Annex:

IECEx IMQ 19.0005 X issue No. 3 Annex_1.pdf

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General description

The ZENITH-P command/control units and terminal boxes range are assembled in 20 sizes of enclosure manufactured in GRP glass reinforced polyester with 4 mm thickness with silicon gasket.

The ZENITH-P junction boxes are suitable for installation in zone 0/1 and zone 21 with type of protections Ex eb /Ex e and Ex ia; the ZENITH-P CONTROL STATION are suitable for installation in zone 1 and zone 21 with type of protections additional to Ex e depending to the components mounted.

The ZENITH-S command/control units and terminal boxes range comprises 14 sizes of enclosures type 645.Bxxxx with lid fixed with screws, 25 sizes of enclosures type 645.Cxxxxxx with hinges, gland plates and keylock, 14 sizes of enclosures type 645.Dxxxxxx with hinges, flanges, keylock and welded mounting bracket, all the enclosures can be equipped with windows. All the enclosures are made in stainless steel AISI304L or AISI316L with minimum 1,2 mm of thickness with silicon gasket. The ZENITH-S junction boxes are suitable for installation in zone 0/1 and zone 21 with type of protection Ex eb/Ex e and Ex ia; the

ZENITH-S CONTROL STATION are suitable for installation in zone 1 and zone 21 with type of protections additional to Ex e/eb depending to the components mounted (see listed below).

The ZENITH-P and ZENITH-S enclosures have separate component certificate: IECEx IMQ 19.0004 U and IMQ 19 ATEX 033 U.

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 (for Zenith-P and S) or with hinges and keylock (only Zenith-S). 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.

The cable glands or plugs, with separate ATEX and 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.

Zenith-P and Zenith-S series can be equipped with components IECEx/ATEX certified.

Evaluation of suitability towards editions of the standards mentioned in the Certificate has been carried out. Details are listed in IECEx ExTR IT/IMQ/ExTR19.0009/03 (IMQ ref. no. AT23-0087563-01).

Nameplate will be filled with data accordingly to component features.

Zenith-P and Zenith-S… series can be equipped with the following components IECEx certified, according to limitation listed below:

Design options and Key code

	Zenith-P	Zenith-S
Type	644.xxxx	645.Bxxxx 645.Cxxxxxx 645.Dxxxxxx
Material	Glass reinforced polyester	Stainless steel
Electrical data	Depending to the components mounted	
Ambient temperature	-60°C ÷ +40/+50/+55/+60/+75/+95°C	-50°C ÷ +40/+50/+55/+60/+75/+95°C
Temperature class	T6/T5/T4 for gas and T80°C/T95°C/T130°C for dust	

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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 the Technical Details STP0021, STP0022, STP0018, STP0017 annexed to 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.

The accessories used for cable entries and for closing unused openings shall be certified according to IEC 60079-0, IEC 60079-7 and IEC 60079-31 standards. A minimum degree of protection IP66 shall be guaranteed according to IEC 60529 standard.

Models sizes

ZENITH-P		Dimensions		
SCAME Code(*)	Enclosure size	H	W	D
644.0100	75x80x55	75	80	55
644.0200	75x80x75	75	80	75
644.0110	75x110x55	75	110	55
644.0210	75x110x75	75	110	75
644.0120	75x160x55	75	160	55
644.0220	75x160x75	75	160	75
644.0130	75x190x55	75	190	55
644.0230	75x190x75	75	190	75
644.0140	75x230x55	75	230	55
644.0240	75x230x75	75	230	75
644.0345	120x122x90	120	122	90
644.0350	120x220x90	120	220	90
644.0360	160x160x90	160	160	90
644.0370	160x260x90	160	260	90
644.0380	160x360x90	160	360	90
644.0390	160x560x90	160	560	90
644.0465	250x255x120	250	255	120
644.0485	250x400x120	250	400	120
644.0585	250x400x165	250	400	165
644.0595	405x400x165	405	400	165

Table 1 - External dimensions (mm)

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Junction kit:
The enclosures listed in the below table can be joined with the junction kit part number SL00059. Each enclosure has 1 or 2 square cut which depends from the size of the enclosure.

ENCLOSURE	DIMENSION mm	SQUARE CUT mm	Long SIDE N°	Short SIDE N°
644.0465	250*255*120	55*125	1	1
644.0485	250*400*120	55*125	2	1
644.0595	405*400*165	55*125	2	2
644.0585	250*400*165	55*125	1	1

Type 645.B Code (*)	Enclosure size LxHxP [mm]	Body Thickness	Lid Thickness	Screws Numbers	Screw type	Nm
645.Bxy01	90X90X75	12/10	12/10	4	M5x16	2.5
645.Bxy02	100x100x90	12/10	12/10	4	M5x16	2.5
645.Bxy03	100x160x90	12/10	12/10	4	M5x16	2.5
645.Bxy04	100x220x90	12/10	12/10	4	M5x16	2.5
645.Bxy05	150x160x120	12/10	12/10	4	M5x16	2.5
645.Bxy06	150x220x120	12/10	12/10	4	M5x16	2.5
645.Bxy07	150x280x120	12/10	12/10	4	M5x16	2.5
645.Bxy08	200x220x120	12/10	12/10	4	M5x16	2.5
645.Bxy09	200x280x120	12/10	12/10	4	M5x16	2.5
645.Bxy10	250x280x120	12/10	12/10	4	M5x16	2.5
645.Bxy11	250x340x150	12/10	12/10	4	M5x16	2.5
645.Bxy12	300x340x150	12/10	12/10	4	M5x16	2.5
645.Bxy13	300x400x150	12/10	12/10	6	M5x16	2.5
645.Bxy14	400x400x150	12/10	12/10	6	M5x16	2.5

Table 1 – External dimensions

(*) The code is completed as following:

x = enclosure material: **4** = AISI304L
6 = AISI316L
y = gasket material: **S** = Silicon (for ambient temperature -50°C to +95°C)

The root part number could have an optional suffix not influential on the equipment and the type of protection.
Note: the dimension indicated in the above table, can be change maximum by 10%.

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Type 645.C Code (*)	Enclosure size LxHxP [mm]	Body Thickness	Lid Thickness	Key Lock	hinge
645.Cxy00zw	260x260x150	12/10	15/10	1	2
645.Cxy01zw	300x300x210	12/10	15/10	1	2
645.Cxy02zw	300x380x210	12/10	15/10	1	2
645.Cxy03zw	300x450x210	12/10	15/10	2	2
645.Cxy04zw	380x300x210	12/10	15/10	1	2
645.Cxy05zw	380x380x210	12/10	15/10	1	2
645.Cxy06zw	380x600x210	12/10	15/10	2	2
645.Cxy07zw	400x500x210	12/10	15/10	2	2
645.Cxy08zw	450x300x210	12/10	15/10	1	2
645.Cxy09zw	450x450x210	12/10	15/10	2	2
645.Cxy10zw	450x450x250	12/10	15/10	2	2
645.Cxy11zw	450x600x210	12/10	15/10	2	2
645.Cxy12zw	450x600x250	12/10	15/10	2	2
645.Cxy13zw	500x700x250	12/10	15/10	2	2
645.Cxy14zw	600x380x210	12/10	15/10	1	2
645.Cxy15zw	600x450x250	12/10	15/10	2	2
645.Cxy16zw	600x600x210	12/10	15/10	2	2
645.Cxy17zw	600x600x250	12/10	15/10	2	2
645.Cxy18zw	600x600x300	12/10	15/10	2	2
645.Cxy19zw	600x750x210	15/10	15/10	2	2
645.Cxy20zw	600x750x250	15/10	15/10	2	2
645.Cxy21zw	600x750x300	15/10	15/10	2	2
645.Cxy22zw	600x900x300	15/10	15/10	2	3
645.Cxy23zw	750x1000x300	15/10	15/10	2	3
645.Cxy24zw	800x1200x300	15/10	20/10	2	3

Table 2 - External dimensions

(*) The scame code is completed as following:

x = enclosure material: **4** = AISI304L
6 = AISI316L

y = gasket material: **S** = Silicon (for ambient temperature -50°C to +95°C)

z = flange **0** = Enclosure without flange
1 = Enclosure with 1 flange bottom sides
2 = Enclosure with 2 flanges Top/Bottom sides
3 = Enclosure with 3 flange Bottom/Left/Right sides
4 = Enclosure with 4 flange Top/Bottom/Left/Right sides

w = key lock **Y** = Optional suffix, for key lock instead of cam lock

The root part number could have an optional suffix not influential on the equipment and the type of protection.
Note: the dimension indicated in the above table, can be change by 10%

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Type 645.D Code (*)	Enclosure size WxHxD [mm]	Body Thickness	Lid Thickness	Key Lock	hinge	Mounting Brackets
645.Dxy00zw	260x260x150	12/10	15/10	1	2	4
645.Dxy01zw	300x300x210	12/10	15/10	1	2	4
645.Dxy02zw	300x380x210	12/10	15/10	2	2	4
645.Dxy03zw	300x450x210	12/10	15/10	2	2	4
645.Dxy05zw	380x380x210	12/10	15/10	2	2	4
645.Dxy07zw	400x500x210	12/10	15/10	2	2	4
645.Dxy09zw	450x450x210	12/10	15/10	2	2	4
645.Dxy11zw	450x600x210	12/10	15/10	2	3	4
645.Dxy14zw	600x380x210	12/10	15/10	2	3	4
645.Dxy16zw	600x600x210	12/10	15/10	2	3	4
645.Dxy19zw	600x750x210	12/10	15/10	2	3	4
645.Dxy22zw	600x900x300	12/10	15/10	2	3	6
645.Dxy23zw	750x1000x300	12/10	15/10	2	3	6
645.Dxy24zw	800x1200x300	12/10	15/10	2	3	6

Table 3 - External dimensions

(*) The scame code is completed as following:

x = enclosure material:
4 = AISI304L
6 = AISI316L

y = gasket material:
S = Silicon (for ambient temperature -50°C to +95°C)

z = flange
0 = Enclosure without flange
1 = Enclosure with 1 flange bottom sides
2 = Enclosure with 2 flanges Top/Bottom sides
3 = Enclosure with 3 flange Bottom/Left/Right sides
4 = Enclosure with 4 flange Top/Bottom/Left/Right sides

w = key lock
Y = Optional suffix, for key lock instead of cam lock

The root part number could have an optional suffix not influential on the equipment and the type of protection.
Note: the dimension indicated in the above table, can be change by 10%

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Power dissipation

Power dissipation:

The maximum allowed power dissipation Pd within the range of Zenith-P and Zenith-S equipment is indicated in table in Annex 1 of IEC 60079-0 Measurement Section.

Calculation is based on parameter S, that gives the temperature rise (in K) inside each enclosure for each watt of power dissipated.

Details in Measurement section.

Ratings:

Rating (V,I, Pmax) is dependent on terminals and components installed. Rating and certification plate/label will be placed on the cover and visible after installation (see example of marking plate below).

The maximum allowed power dissipation Pd within the range of Zenith-P boxes is indicated in following table for both Gas and DUST atmosphere, along with the parameter K/W that gives the temperature rise (in K) inside each enclosure for each watt of power dissipated:

	DUST		GAS	
	LONG SIDE	SHORT SIDE	LONG SIDE	SHORT SIDE
Scame code	**K/W decl.**	**K/W decl.**	**K/W decl.**	**K/W decl.**
6440100	3,65	3,65	6,68	6,68
6440200	3,43	3,43	5,97	5,97
6440110	3,46	3,46	6,02	6,02
6440210	3,19	3,19	5,53	5,53
6440120	2,33	2,44	3,98	3,80
6440220	2,21	2,21	3,62	3,62
6440130	2,29	2,38	3,76	3,80
6440230	2,09	2,24	3,39	3,52
6440140	2,15	2,28	3,49	3,60
6440240	1,95	2,12	3,13	3,31
6440345	2,65	2,65	4,52	4,52
6440350	1,81	1,86	2,61	2,90
6440360	2,33	2,33	3,39	3,39
6440370	1,37	1,53	2,10	2,26
6440380	1,13	1,25	1,67	1,79
6440390	0,78	0,83	1,05	1,11
6440465	1,33	1,33	1,16	1,16
6440485	0,57	0,67	0,78	0,83
6440585	0,45	0,47	0,45	0,57
6440595	0,34	0,34	0,46	0,46

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Long Side UP Installation

	Max Pd (W) - Tamb up to 40°C									
	T6 - GAS			T6 - DUST	T5 - GAS		T5 - DUST	T4 - GAS		T4 - DUST
Scame code	Intern. Temp. 60°C	Intern. Temp. 70°C	Intern. Temp. 80°C	-	Intern. Temp. 85°C	Intern. Temp. 95°C	-	Intern. Temp. 100°C	Intern. Temp. 105°C	-
6440100	3,0	4,5	6,0	11,0	6,7	8,2	15,1	9,0	9,7	24,6
6440200	3,3	5,0	6,7	11,7	7,5	9,2	16,0	10,0	10,9	26,2
6440110	3,3	5,0	6,6	11,6	7,5	9,1	15,9	10,0	10,8	26,0
6440210	3,6	5,4	7,2	12,5	8,1	9,9	17,2	10,8	11,7	28,2
6440120	5,0	7,5	10,1	17,2	11,3	13,8	23,6	15,1	16,3	38,7
6440220	5,5	8,3	11,1	18,1	12,4	15,2	24,8	16,6	18,0	40,6
6440130	5,3	8,0	10,6	17,4	12,0	14,6	24,0	16,0	17,3	39,2
6440230	5,9	8,8	11,8	19,1	13,3	16,2	26,3	17,7	19,2	43,1
6440140	5,7	8,6	11,4	18,6	12,9	15,7	25,6	17,2	18,6	41,9
6440240	6,4	9,6	12,8	20,5	14,4	17,5	28,3	19,1	20,7	46,2
6440345	4,4	6,6	8,9	15,1	10,0	12,2	20,8	13,3	14,4	34,0
6440350	7,7	11,5	15,3	22,1	17,3	21,1	30,5	23,0	24,9	49,8
6440360	5,9	8,8	11,8	17,1	13,3	16,2	23,6	17,7	19,2	38,6
6440370	9,5	14,3	19,1	29,2	21,5	26,2	40,2	28,6	31,0	65,8
6440380	12,0	18,0	23,9	35,4	26,9	32,9	48,6	35,9	38,9	79,6
6440390	19,0	28,6	38,1	51,0	42,8	52,4	70,1	57,1	61,9	114,7
6440465	17,2	25,9	34,5	30,0	38,8	47,4	41,3	51,7	56,0	67,5
6440485	25,5	38,2	51,0	70,6	57,3	70,1	97,1	76,5	82,8	158,8
6440585	44,4	66,7	88,9	88,9	100,0	122,2	122,2	133,3	144,4	200,0
6440595	43,5	65,3	87,0	116,7	97,9	119,7	160,4	130,5	141,4	262,5

Short Side UP Installation

	Max Pd (W) - Tamb up to 40°C									
	T6 - GAS			T6 - DUST	T5 - GAS		T5 - DUST	T4 - GAS		T4 - DUST
Scame code	Intern. Temp. 60°C	Intern. Temp. 70°C	Intern. Temp. 80°C	-	Intern. Temp. 85°C	Intern. Temp. 95°C	-	Intern. Temp. 100°C	Intern. Temp. 105°C	-
6440100	3,0	4,5	6,0	11,0	6,7	8,2	15,1	9,0	9,7	24,6
6440200	3,3	5,0	6,7	11,7	7,5	9,2	16,0	10,0	10,9	26,2
6440110	3,3	5,0	6,6	11,6	7,5	9,1	15,9	10,0	10,8	26,0
6440210	3,6	5,4	7,2	12,5	8,1	9,9	17,2	10,8	11,7	28,2
6440120	5,3	7,9	10,5	16,4	11,9	14,5	22,6	15,8	17,1	36,9
6440220	5,5	8,3	11,1	18,1	12,4	15,2	24,8	16,6	18,0	40,6
6440130	5,3	7,9	10,5	16,8	11,9	14,5	23,1	15,8	17,1	37,8
6440230	5,7	8,5	11,3	17,9	12,8	15,6	24,6	17,0	18,4	40,3
6440140	5,5	8,3	11,1	17,6	12,5	15,3	24,1	16,6	18,0	39,5
6440240	6,0	9,1	12,1	18,9	13,6	16,6	26,0	18,1	19,6	42,5
6440345	4,4	6,6	8,9	15,1	10,0	12,2	20,8	13,3	14,4	34,0
6440350	6,9	10,3	13,8	21,5	15,5	19,0	29,5	20,7	22,4	48,3
6440360	5,9	8,8	11,8	17,1	13,3	16,2	23,6	17,7	19,2	38,6
6440370	8,8	13,2	17,7	26,1	19,9	24,3	36,0	26,5	28,7	58,8
6440380	11,2	16,8	22,4	32,1	25,2	30,8	44,1	33,6	36,4	72,1
6440390	18,0	27,1	36,1	48,2	40,6	49,6	66,3	54,1	58,6	108,5
6440465	17,2	25,9	34,5	30,0	38,8	47,4	41,3	51,7	56,0	67,5
6440485	24,0	36,0	48,0	59,7	54,0	66,1	82,1	72,1	78,1	134,3
6440585	35,1	52,6	70,2	85,1	78,9	96,5	117,0	105,3	114,0	191,5
6440595	43,5	65,3	87,0	116,7	97,9	119,7	160,4	130,5	141,4	262,5

COPY FOR INFORMATION

Long Side UP Installation

Scame code	Max Pd (W) - Tamb up to 50°C									
	T6 - GAS			T6 - DUST	T5 - GAS		T5 - DUST	T4 - GAS		T4 - DUST
	Intern. Temp. 60°C	Intern. Temp. 70°C	Intern. Temp. 80°C	-	Intern. Temp. 85°C	Intern. Temp. 95°C	-	Intern. Temp. 100°C	Intern. Temp. 105°C	-
6440100	1,5	3,0	4,5	8,2	5,2	6,7	12,3	7,5	8,2	21,9
6440200	1,7	3,3	5,0	8,7	5,9	7,5	13,1	8,4	9,2	23,3
6440110	1,7	3,3	5,0	8,7	5,8	7,5	13,0	8,3	9,1	23,2
6440210	1,8	3,6	5,4	9,4	6,3	8,1	14,1	9,0	9,9	25,1
6440120	2,5	5,0	7,5	12,9	8,8	11,3	19,3	12,6	13,8	34,4
6440220	2,8	5,5	8,3	13,5	9,7	12,4	20,3	13,8	15,2	36,1
6440130	2,7	5,3	8,0	13,1	9,3	12,0	19,6	13,3	14,6	34,9
6440230	2,9	5,9	8,8	14,4	10,3	13,3	21,5	14,7	16,2	38,3
6440140	2,9	5,7	8,6	14,0	10,0	12,9	21,0	14,3	15,7	37,3
6440240	3,2	6,4	9,6	15,4	11,2	14,4	23,1	15,9	17,5	41,1
6440345	2,2	4,4	6,6	11,3	7,7	10,0	17,0	11,1	12,2	30,2
6440350	3,8	7,7	11,5	16,6	13,4	17,3	24,9	19,2	21,1	44,3
6440360	2,9	5,9	8,8	12,9	10,3	13,3	19,3	14,7	16,2	34,3
6440370	4,8	9,5	14,3	21,9	16,7	21,5	32,9	23,8	26,2	58,5
6440380	6,0	12,0	18,0	26,5	20,9	26,9	39,8	29,9	32,9	70,8
6440390	9,5	19,0	28,6	38,2	33,3	42,8	57,4	47,6	52,4	102,0
6440465	8,6	17,2	25,9	22,5	30,2	38,8	33,8	43,1	47,4	60,0
6440485	12,7	25,5	38,2	52,9	44,6	57,3	79,4	63,7	70,1	141,2
6440585	22,2	44,4	66,7	66,7	77,8	100,0	100,0	111,1	122,2	177,8
6440595	21,8	43,5	65,3	87,5	76,2	97,9	131,3	108,8	119,7	233,4

Short Side UP Installation

Max Pd (W) - Tamb up to 50°C										
T6 - GAS			T6 - DUST	T5 - GAS		T5 - DUST	T4 - GAS		T4 - DUST
Intern. Temp. 60°C	Intern. Temp. 70°C	Intern. Temp. 80°C	-	Intern. Temp. 85°C	Intern. Temp. 95°C	-	Intern. Temp. 100°C	Intern. Temp. 105°C	-
1,5	3,0	4,5	8,2	5,2	6,7	12,3	7,5	8,2	21,9
1,7	3,3	5,0	8,7	5,9	7,5	13,1	8,4	9,2	23,3
1,7	3,3	5,0	8,7	5,8	7,5	13,0	8,3	9,1	23,2
1,8	3,6	5,4	9,4	6,3	8,1	14,1	9,0	9,9	25,1
2,6	5,3	7,9	12,3	9,2	11,9	18,5	13,2	14,5	32,8
2,8	5,5	8,3	13,5	9,7	12,4	20,3	13,8	15,2	36,1
2,6	5,3	7,9	12,6	9,2	11,9	18,9	13,2	14,5	33,6
2,8	5,7	8,5	13,4	9,9	12,8	20,1	14,2	15,6	35,8
2,8	5,5	8,3	13,2	9,7	12,5	19,7	13,9	15,3	35,1
3,0	6,0	9,1	14,2	10,6	13,6	21,2	15,1	16,6	37,8
2,2	4,4	6,6	11,3	7,7	10,0	17,0	11,1	12,2	30,2
3,4	6,9	10,3	16,1	12,1	15,5	24,1	17,2	19,0	42,9
2,9	5,9	8,8	12,9	10,3	13,3	19,3	14,7	16,2	34,3
4,4	8,8	13,2	19,6	15,5	19,9	29,4	22,1	24,3	52,3
5,6	11,2	16,8	24,0	19,6	25,2	36,1	28,0	30,8	64,1
9,0	18,0	27,1	36,2	31,6	40,6	54,2	45,1	49,6	96,4
8,6	17,2	25,9	22,5	30,2	38,8	33,8	43,1	47,4	60,0
12,0	24,0	36,0	44,8	42,0	54,0	67,2	60,0	66,1	119,4
17,5	35,1	52,6	63,8	61,4	78,9	95,7	87,7	96,5	170,2
21,8	43,5	65,3	87,5	76,2	97,9	131,3	108,8	119,7	233,4

Long Side UP Installation

Scame code	Max Pd (W) - Tamb up to 55°C									
	T6 - GAS			T6 - DUST	T5 - GAS		T5 - DUST	T4 - GAS		T4 - DUST
	Intern. Temp. 65°C	Intern. Temp. 70°C	Intern. Temp. 80°C	-	Intern. Temp. 85°C	Intern. Temp. 95°C	-	Intern. Temp. 100°C	Intern. Temp. 105°C	-
6440100	1,5	2,2	3,7	6,8	4,5	6,0	11,0	6,7	7,5	20,5
6440200	1,7	2,5	4,2	7,3	5,0	6,7	11,7	7,5	8,4	21,9
6440110	1,7	2,5	4,2	7,2	5,0	6,6	11,6	7,5	8,3	21,7
6440210	1,8	2,7	4,5	7,8	5,4	7,2	12,5	8,1	9,0	23,5
6440120	2,5	3,8	6,3	10,7	7,5	10,1	17,2	11,3	12,6	32,2
6440220	2,8	4,1	6,9	11,3	8,3	11,1	18,1	12,4	13,8	33,9
6440130	2,7	4,0	6,7	10,9	8,0	10,6	17,4	12,0	13,3	32,7
6440230	2,9	4,4	7,4	12,0	8,8	11,8	19,1	13,3	14,7	35,9
6440140	2,9	4,3	7,2	11,6	8,6	11,4	18,6	12,9	14,3	34,9
6440240	3,2	4,8	8,0	12,8	9,6	12,8	20,5	14,4	15,9	38,5
6440345	2,2	3,3	5,5	9,4	6,6	8,9	15,1	10,0	11,1	28,3

Short Side UP Installation

Max Pd (W) - Tamb up to 55°C										
T6 - GAS			T6 - DUST	T5 - GAS		T5 - DUST	T4 - GAS		T4 - DUST
Intern. Temp. 65°C	Intern. Temp. 70°C	Intern. Temp. 80°C	-	Intern. Temp. 85°C	Intern. Temp. 95°C	-	Intern. Temp. 100°C	Intern. Temp. 105°C	-
1,5	2,2	3,7	6,8	4,5	6,0	11,0	6,7	7,5	20,5
1,7	2,5	4,2	7,3	5,0	6,7	11,7	7,5	8,4	21,9
1,7	2,5	4,2	7,2	5,0	6,6	11,6	7,5	8,3	21,7
1,8	2,7	4,5	7,8	5,4	7,2	12,5	8,1	9,0	23,5
2,6	4,0	6,6	10,3	7,9	10,5	16,4	11,9	13,2	30,8
2,8	4,1	6,9	11,3	8,3	11,1	18,1	12,4	13,8	33,9
2,6	4,0	6,6	10,5	7,9	10,5	16,8	11,9	13,2	31,5
2,8	4,3	7,1	11,2	8,5	11,3	17,9	12,8	14,2	33,6
2,8	4,2	6,9	11,0	8,3	11,1	17,6	12,5	13,9	32,9
3,0	4,5	7,6	11,8	9,1	12,1	18,9	13,6	15,1	35,4
2,2	3,3	5,5	9,4	6,6	8,9	15,1	10,0	11,1	28,3

COPIA NON CONTROLLATA

6440350	3,8	5,8	9,6	13,8	11,5	15,3	22,1	17,3	19,2	41,5	3,4	5,2	8,6	13,4	10,3	13,8	21,5	15,5	17,2	40,2
6440360	2,9	4,4	7,4	10,7	8,8	11,8	17,1	13,3	14,7	32,1	2,9	4,4	7,4	10,7	8,8	11,8	17,1	13,3	14,7	32,1
6440370	4,8	7,2	11,9	18,3	14,3	19,1	29,2	21,5	23,8	54,8	4,4	6,6	11,0	16,3	13,2	17,7	26,1	19,9	22,1	49,0
6440380	6,0	9,0	15,0	22,1	18,0	23,9	35,4	26,9	29,9	66,3	5,6	8,4	14,0	20,0	16,8	22,4	32,1	25,2	28,0	60,1
6440390	9,5	14,3	23,8	31,9	28,6	38,1	51,0	42,8	47,6	95,6	9,0	13,5	22,5	30,1	27,1	36,1	48,2	40,6	45,1	90,4
6440465	8,6	12,9	21,6	18,8	25,9	34,5	30,0	38,8	43,1	56,3	8,6	12,9	21,6	18,8	25,9	34,5	30,0	38,8	43,1	56,3
6440485	12,7	19,1	31,9	44,1	38,2	51,0	70,6	57,3	63,7	132,3	12,0	18,0	30,0	37,3	36,0	48,0	59,7	54,0	60,0	111,9
6440585	22,2	33,3	55,6	55,6	66,7	88,9	88,9	100,0	111,1	166,7	17,5	26,3	43,9	53,2	52,6	70,2	85,1	78,9	87,7	159,6
6440595	21,8	32,6	54,4	72,9	65,3	87,0	116,7	97,9	108,8	218,8	21,8	32,6	54,4	72,9	65,3	87,0	116,7	97,9	108,8	218,8

Long Side UP Installation

	Max Pd (W) - Tamb up to 60°C								
	T6 - GAS		T6 - DUST	T5 - GAS		T5 - DUST	T4 - GAS		T4 - DUST
Scame code	Intern. Temp. 70°C	Intern. Temp. 80°C	-	Intern. Temp. 85°C	Intern. Temp. 95°C	-	Intern. Temp. 100°C	Intern. Temp. 105°C	-
6440100	1,5	3,0	5,5	3,7	5,2	9,6	6,0	6,7	19,2
6440200	1,7	3,3	5,8	4,2	5,9	10,2	6,7	7,5	20,4
6440110	1,7	3,3	5,8	4,2	5,8	10,1	6,6	7,5	20,3
6440210	1,8	3,6	6,3	4,5	6,3	11,0	7,2	8,1	21,9
6440120	2,5	5,0	8,6	6,3	8,8	15,0	10,1	11,3	30,1
6440220	2,8	5,5	9,0	6,9	9,7	15,8	11,1	12,4	31,6
6440130	2,7	5,3	8,7	6,7	9,3	15,3	10,6	12,0	30,5
6440230	2,9	5,9	9,6	7,4	10,3	16,7	11,8	13,3	33,5
6440140	2,9	5,7	9,3	7,2	10,0	16,3	11,4	12,9	32,6
6440240	3,2	6,4	10,3	8,0	11,2	18,0	12,8	14,4	36,0
6440345	2,2	4,4	7,6	5,5	7,7	13,2	8,9	10,0	26,4
6440350	3,8	7,7	11,1	9,6	13,4	19,4	15,3	17,3	38,8
6440360	2,9	5,9	8,6	7,4	10,3	15,0	11,8	13,3	30,0
6440370	4,8	9,5	14,6	11,9	16,7	25,6	19,1	21,5	51,2
6440380	6,0	12,0	17,7	15,0	20,9	31,0	23,9	26,9	61,9
6440390	9,5	19,0	25,5	23,8	33,3	44,6	38,1	42,8	89,2
6440465	8,6	17,2	15,0	21,6	30,2	26,3	34,5	38,8	52,5
6440485	12,7	25,5	35,3	31,9	44,6	61,8	51,0	57,3	123,5
6440585	22,2	44,4	44,4	55,6	77,8	77,8	88,9	100,0	155,6
6440595	21,8	43,5	58,3	54,4	76,2	102,1	87,0	97,9	204,2

Short Side UP Installation

	Max Pd (W) - Tamb up to 60°C								
	T6 - GAS		T6 - DUST	T5 - GAS		T5 - DUST	T4 - GAS		T4 - DUST
Scame code	Intern. Temp. 70°C	Intern. Temp. 80°C	-	Intern. Temp. 85°C	Intern. Temp. 95°C	-	Intern. Temp. 100°C	Intern. Temp. 105°C	-
6440100	1,5	3,0	5,5	3,7	5,2	9,6	6,0	6,7	19,2
6440200	1,7	3,3	5,8	4,2	5,9	10,2	6,7	7,5	20,4
6440110	1,7	3,3	5,8	4,2	5,8	10,1	6,6	7,5	20,3
6440210	1,8	3,6	6,3	4,5	6,3	11,0	7,2	8,1	21,9
6440120	2,6	5,3	8,2	6,6	9,2	14,4	10,5	11,9	28,7
6440220	2,8	5,5	9,0	6,9	9,7	15,8	11,1	12,4	31,6
6440130	2,6	5,3	8,4	6,6	9,2	14,7	10,5	11,9	29,4
6440230	2,8	5,7	8,9	7,1	9,9	15,7	11,3	12,8	31,3
6440140	2,8	5,5	8,8	6,9	9,7	15,4	11,1	12,5	30,7
6440240	3,0	6,0	9,4	7,6	10,6	16,5	12,1	13,6	33,1
6440345	2,2	4,4	7,6	5,5	7,7	13,2	8,9	10,0	26,4
6440350	3,4	6,9	10,7	8,6	12,1	18,8	13,8	15,5	37,6
6440360	2,9	5,9	8,6	7,4	10,3	15,0	11,8	13,3	30,0
6440370	4,4	8,8	13,1	11,0	15,5	22,9	17,7	19,9	45,8
6440380	5,6	11,2	16,0	14,0	19,6	28,1	22,4	25,2	56,1
6440390	9,0	18,0	24,1	22,5	31,6	42,2	36,1	40,6	84,4
6440465	8,6	17,2	15,0	21,6	30,2	26,3	34,5	38,8	52,5
6440485	12,0	24,0	29,9	30,0	42,0	52,2	48,0	54,0	104,5
6440585	17,5	35,1	42,6	43,9	61,4	74,5	70,2	78,9	148,9
6440595	21,8	43,5	58,3	54,4	76,2	102,1	87,0	97,9	204,2

COPY IMQ.ORG

Long Side UP Installation

Scame code	Max Pd (W) - Tamb up to 75°C								
	T6 - GAS		T6 - DUST	T5 - GAS		T5 - DUST	T4 - GAS		T4 - DUST
		Intern. Temp. 80°C	-	Intern. Temp. 85°C	Intern. Temp. 95°C	-	Intern. Temp. 100°C	Intern. Temp. 105°C	-
6440100		0,7	1,4	1,5	3,0	5,5	3,7	4,5	15,1
6440200		0,8	1,5	1,7	3,3	5,8	4,2	5,0	16,0
6440110		0,8	1,4	1,7	3,3	5,8	4,2	5,0	15,9
6440210		0,9	1,6	1,8	3,6	6,3	4,5	5,4	17,2
6440120		1,3	2,1	2,5	5,0	8,6	6,3	7,5	23,6
6440220		1,4	2,3	2,8	5,5	9,0	6,9	8,3	24,8
6440130		1,3	2,2	2,7	5,3	8,7	6,7	8,0	24,0
6440230		1,5	2,4	2,9	5,9	9,6	7,4	8,8	26,3
6440140		1,4	2,3	2,9	5,7	9,3	7,2	8,6	25,6
6440240		1,6	2,6	3,2	6,4	10,3	8,0	9,6	28,3
6440345		1,1	1,9	2,2	4,4	7,6	5,5	6,6	20,8
6440350		1,9	2,8	3,8	7,7	11,1	9,6	11,5	30,5
6440360		1,5	2,1	2,9	5,9	8,6	7,4	8,8	23,6
6440370		2,4	3,7	4,8	9,5	14,6	11,9	14,3	40,2
6440380		3,0	4,4	6,0	12,0	17,7	15,0	18,0	48,6
6440390		4,8	6,4	9,5	19,0	25,5	23,8	28,6	70,1
6440465		4,3	3,8	8,6	17,2	15,0	21,6	25,9	41,3
6440485		6,4	8,8	12,7	25,5	35,3	31,9	38,2	97,1
6440585		11,1	11,1	22,2	44,4	44,4	55,6	66,7	122,2
6440595		10,9	14,6	21,8	43,5	58,3	54,4	65,3	160,4

Short Side UP Installation

Max Pd (W) - Tamb up to 75°C								
T6 - GAS		T6 - DUST	T5 - GAS		T5 - DUST	T4 - GAS		T4 - DUST
	Intern. Temp. 80°C	-	Intern. Temp. 85°C	Intern. Temp. 95°C	-	Intern. Temp. 100°C	Intern. Temp. 105°C	-
	0,7	1,4	1,5	3,0	5,5	3,7	4,5	15,1
	0,8	1,5	1,7	3,3	5,8	4,2	5,0	16,0
	0,8	1,4	1,7	3,3	5,8	4,2	5,0	15,9
	0,9	1,6	1,8	3,6	6,3	4,5	5,4	17,2
	1,3	2,1	2,6	5,3	8,2	6,6	7,9	22,6
	1,4	2,3	2,8	5,5	9,0	6,9	8,3	24,8
	1,3	2,1	2,6	5,3	8,4	6,6	7,9	23,1
	1,4	2,2	2,8	5,7	8,9	7,1	8,5	24,6
	1,4	2,2	2,8	5,5	8,8	6,9	8,3	24,1
	1,5	2,4	3,0	6,0	9,4	7,6	9,1	26,0
	1,1	1,9	2,2	4,4	7,6	5,5	6,6	20,8
	1,7	2,7	3,4	6,9	10,7	8,6	10,3	29,5
	1,5	2,1	2,9	5,9	8,6	7,4	8,8	23,6
	2,2	3,3	4,4	8,8	13,1	11,0	13,2	36,0
	2,8	4,0	5,6	11,2	16,0	14,0	16,8	44,1
	4,5	6,0	9,0	18,0	24,1	22,5	27,1	66,3
	4,3	3,8	8,6	17,2	15,0	21,6	25,9	41,3
	6,0	7,5	12,0	24,0	29,9	30,0	36,0	82,1
	8,8	10,6	17,5	35,1	42,6	43,9	52,6	117,0
	10,9	14,6	21,8	43,5	58,3	54,4	65,3	160,4

Long Side UP Installation

Scame code	Max Pd (W) Tamb up to 95°C		
	T4 - GAS		T4 - DUST
	Intern. Temp. 100°C	Intern. Temp. 105°C	-
6440100	0,7	1,5	9,6
6440200	0,8	1,7	10,2
6440110	0,8	1,7	10,1
6440210	0,9	1,8	11,0
6440120	1,3	2,5	15,0
6440220	1,4	2,8	15,8
6440130	1,3	2,7	15,3
6440230	1,5	2,9	16,7
6440140	1,4	2,9	16,3
6440240	1,6	3,2	18,0
6440345	1,1	2,2	13,2
6440350	1,9	3,8	19,4
6440360	1,5	2,9	15,0
6440370	2,4	4,8	25,6
6440380	3,0	6,0	31,0
6440390	4,8	9,5	44,6
6440465	4,3	8,6	26,3
6440485	6,4	12,7	61,8
6440585	11,1	22,2	77,8

Short Side UP Installation

Max Pd (W) Tamb up to 95°C		
T4 - GAS		T4 - DUST
Intern. Temp. 100°C	Intern. Temp. 105°C	-
0,7	1,5	9,6
0,8	1,7	10,2
0,8	1,7	10,1
0,9	1,8	11,0
1,3	2,6	14,4
1,4	2,8	15,8
1,3	2,6	14,7
1,4	2,8	15,7
1,4	2,8	15,4
1,5	3,0	16,5
1,1	2,2	13,2
1,7	3,4	18,8
1,5	2,9	15,0
2,2	4,4	22,9
2,8	5,6	28,1
4,5	9,0	42,2
4,3	8,6	26,3
6,0	12,0	52,2
8,8	17,5	74,5

COPY OF IMQ

6440595	10,9	21,8	102,1	10,9	21,8	102,1

The maximum allowed power dissipation Pd within the range of Zenith-S boxes is indicated in following table for both GAS and DUST atmosphere, along with the parameter K/W that gives the temperature rise (in K) inside each enclosure for each watt of power dissipated:

ZENITH-S TYPE 645.Bxxxx

	DUST		GAS	
	LONG SIDE	SHORT SIDE	LONG SIDE	SHORT SIDE
Scame code	**K/W decl.**	**K/W decl.**	**K/W decl.**	**K/W decl.**
645.Bxy01	4,80	4,80	6,00	6,00
645.Bxy02	4,38	4,38	5,31	5,31
645.Bxy03	3,04	3,28	3,70	4,01
645.Bxy04	2,34	2,34	2,92	3,06
645.Bxy05	3,20	3,20	3,68	3,68
645.Bxy06	2,78	2,78	3,12	3,12
645.Bxy07	2,42	2,42	2,66	2,66
645.Bxy08	1,39	1,75	1,54	2,13
645.Bxy09	2,07	2,07	2,21	2,21
645.Bxy10	1,77	1,77	1,84	1,84
645.Bxy11	1,20	1,20	1,17	1,17
645.Bxy12	0,75	0,75	0,94	0,94
645.Bxy13	0,80	0,80	0,73	0,73
645.Bxy14	0,49	0,49	0,56	0,56

Long Side UP Installation

	Max Pd (W) - Tamb up to 40°C									
	T6 - GAS			T6 - DUST	T5 - GAS		T5 - DUST	T4 - GAS		T4 - DUST
Scame code	**Intern. Temp. 60°C**	**Intern. Temp. 70°C**	**Intern. Temp. 80°C**	**-**	**Intern. Temp. 85°C**	**Intern. Temp. 95°C**	**-**	**Intern. Temp. 100°C**	**Intern. Temp. 105°C**	**-**
645.Bxy01	3,3	5,0	6,7	8,3	7,5	9,2	11,4	10,0	10,8	18,7
645.Bxy02	3,8	5,6	7,5	9,1	8,5	10,4	12,6	11,3	12,2	20,5
645.Bxy03	5,4	8,1	10,8	13,2	12,1	14,8	18,1	16,2	17,5	29,6
645.Bxy04	6,9	10,3	13,7	17,1	15,4	18,9	23,5	20,6	22,3	38,5
645.Bxy05	5,4	8,2	10,9	12,5	12,2	14,9	17,2	16,3	17,7	28,1
645.Bxy06	6,4	9,6	12,8	14,4	14,4	17,6	19,8	19,2	20,8	32,4
645.Bxy07	7,5	11,3	15,0	16,5	16,9	20,7	22,7	22,6	24,4	37,2
645.Bxy08	13,0	19,5	26,0	28,8	29,3	35,8	39,7	39,0	42,3	64,9
645.Bxy09	9,0	13,6	18,1	19,4	20,4	24,9	26,6	27,1	29,4	43,5
645.Bxy10	10,9	16,3	21,7	22,6	24,4	29,8	31,1	32,6	35,3	50,9
645.Bxy11	17,1	25,6	34,2	33,4	38,4	47,0	45,9	51,2	55,5	75,1
645.Bxy12	21,3	32,0	42,6	53,1	47,9	58,6	72,9	63,9	69,2	119,4
645.Bxy13	27,5	41,2	55,0	50,2	61,9	75,6	69,0	82,5	89,3	112,9

Short Side UP Installation

	Max Pd (W) - Tamb up to 40°C									
	T6 - GAS			T6 - DUST	T5 - GAS		T5 - DUST	T4 - GAS		T4 - DUST
Scame code	**Intern. Temp. 60°C**	**Intern. Temp. 70°C**	**Intern. Temp. 80°C**	**-**	**Intern. Temp. 85°C**	**Intern. Temp. 95°C**	**-**	**Intern. Temp. 100°C**	**Intern. Temp. 105°C**	**-**
645.Bxy01	3,3	5,0	6,7	8,3	7,5	9,2	11,4	10,0	10,8	18,7
645.Bxy02	3,8	5,6	7,5	9,1	8,5	10,4	12,6	11,3	12,2	20,5
645.Bxy03	5,0	7,5	10,0	12,2	11,2	13,7	16,8	15,0	16,2	27,5
645.Bxy04	6,5	9,8	13,1	17,1	14,7	18,0	23,5	19,6	21,2	38,4
645.Bxy05	5,4	8,2	10,9	12,5	12,2	14,9	17,2	16,3	17,7	28,1
645.Bxy06	6,4	9,6	12,8	14,4	14,4	17,6	19,8	19,2	20,8	32,4
645.Bxy07	7,5	11,3	15,0	16,5	16,9	20,7	22,7	22,6	24,4	37,2
645.Bxy08	9,4	14,1	18,8	22,9	21,1	25,8	31,5	28,2	30,5	51,5
645.Bxy09	9,0	13,6	18,1	19,4	20,4	24,9	26,6	27,1	29,4	43,5
645.Bxy10	10,9	16,3	21,7	22,6	24,4	29,8	31,1	32,6	35,3	50,9
645.Bxy11	17,1	25,6	34,2	33,4	38,4	47,0	45,9	51,2	55,5	75,1
645.Bxy12	21,3	32,0	42,6	53,1	47,9	58,6	72,9	63,9	69,2	119,4
645.Bxy13	27,5	41,2	55,0	50,2	61,9	75,6	69,0	82,5	89,3	112,9

COPIA IMQ

645.Bxy14	35,4	53,2	70,9	82,0	79,7	97,5	112,7	106,3	115,2	184,4	35,4	53,2	70,9	82,0	79,7	97,5	112,7	106,3	115,2	184,4

Long Side UP Installation

	Max Pd (W) - Tamb up to 50°C									
	T6 - GAS			T6 - DUST	T5 - GAS		T5 - DUST	T4 - GAS		T4 - DUST
Scame code	Intern. Temp. 60°C	Intern. Temp. 70°C	Intern. Temp. 80°C	-	Intern. Temp. 85°C	Intern. Temp. 95°C	-	Intern. Temp. 100°C	Intern. Temp. 105°C	-
645.Bxy01	1,7	3,3	5,0	6,2	5,8	7,5	9,4	8,3	9,2	16,7
645.Bxy02	1,9	3,8	5,6	6,8	6,6	8,5	10,3	9,4	10,4	18,3
645.Bxy03	2,7	5,4	8,1	9,9	9,4	12,1	14,8	13,5	14,8	26,3
645.Bxy04	3,4	6,9	10,3	12,8	12,0	15,4	19,2	17,1	18,9	34,2
645.Bxy05	2,7	5,4	8,2	9,4	9,5	12,2	14,1	13,6	14,9	25,0
645.Bxy06	3,2	6,4	9,6	10,8	11,2	14,4	16,2	16,0	17,6	28,8
645.Bxy07	3,8	7,5	11,3	12,4	13,2	16,9	18,6	18,8	20,7	33,0
645.Bxy08	6,5	13,0	19,5	21,6	22,8	29,3	32,4	32,5	35,8	57,7
645.Bxy09	4,5	9,0	13,6	14,5	15,8	20,4	21,8	22,6	24,9	38,7
645.Bxy10	5,4	10,9	16,3	17,0	19,0	24,4	25,4	27,1	29,8	45,2
645.Bxy11	8,5	17,1	25,6	25,0	29,9	38,4	37,5	42,7	47,0	66,7
645.Bxy12	10,7	21,3	32,0	39,8	37,3	47,9	59,7	53,3	58,6	106,1
645.Bxy13	13,7	27,5	41,2	37,6	48,1	61,9	56,4	68,7	75,6	100,4
645.Bxy14	17,7	35,4	53,2	61,5	62,0	79,7	92,2	88,6	97,5	163,9

Short Side UP Installation

	Max Pd (W) - Tamb up to 50°C									
	T6 - GAS			T6 - DUST	T5 - GAS		T5 - DUST	T4 - GAS		T4 - DUST
Scame code	Intern. Temp. 60°C	Intern. Temp. 70°C	Intern. Temp. 80°C	-	Intern. Temp. 85°C	Intern. Temp. 95°C	-	Intern. Temp. 100°C	Intern. Temp. 105°C	-
645.Bxy01	1,7	3,3	5,0	6,2	5,8	7,5	9,4	8,3	9,2	16,7
645.Bxy02	1,9	3,8	5,6	6,8	6,6	8,5	10,3	9,4	10,4	18,3
645.Bxy03	2,5	5,0	7,5	9,2	8,7	11,2	13,7	12,5	13,7	24,4
645.Bxy04	3,3	6,5	9,8	12,8	11,4	14,7	19,2	16,3	18,0	34,2
645.Bxy05	2,7	5,4	8,2	9,4	9,5	12,2	14,1	13,6	14,9	25,0
645.Bxy06	3,2	6,4	9,6	10,8	11,2	14,4	16,2	16,0	17,6	28,8
645.Bxy07	3,8	7,5	11,3	12,4	13,2	16,9	18,6	18,8	20,7	33,0
645.Bxy08	4,7	9,4	14,1	17,2	16,4	21,1	25,8	23,5	25,8	45,8
645.Bxy09	4,5	9,0	13,6	14,5	15,8	20,4	21,8	22,6	24,9	38,7
645.Bxy10	5,4	10,9	16,3	17,0	19,0	24,4	25,4	27,1	29,8	45,2
645.Bxy11	8,5	17,1	25,6	25,0	29,9	38,4	37,5	42,7	47,0	66,7
645.Bxy12	10,7	21,3	32,0	39,8	37,3	47,9	59,7	53,3	58,6	106,1
645.Bxy13	13,7	27,5	41,2	37,6	48,1	61,9	56,4	68,7	75,6	100,4
645.Bxy14	17,7	35,4	53,2	61,5	62,0	79,7	92,2	88,6	97,5	163,9

Long Side UP Installation

	Max Pd (W) - Tamb up to 55°C									
	T6 - GAS			T6 - DUST	T5 - GAS		T5 - DUST	T4 - GAS		T4 - DUST
Scame code	Intern. Temp. 65°C	Intern. Temp. 70°C	Intern. Temp. 80°C	-	Intern. Temp. 85°C	Intern. Temp. 95°C	-	Intern. Temp. 100°C	Intern. Temp. 105°C	-
645.Bxy01	1,7	2,5	4,2	5,2	5,0	6,7	8,3	7,5	8,3	15,6
645.Bxy02	1,9	2,8	4,7	5,7	5,6	7,5	9,1	8,5	9,4	17,1
645.Bxy03	2,7	4,0	6,7	8,2	8,1	10,8	13,2	12,1	13,5	24,7
645.Bxy04	3,4	5,1	8,6	10,7	10,3	13,7	17,1	15,4	17,1	32,1
645.Bxy05	2,7	4,1	6,8	7,8	8,2	10,9	12,5	12,2	13,6	23,4
645.Bxy06	3,2	4,8	8,0	9,0	9,6	12,8	14,4	14,4	16,0	27,0
645.Bxy07	3,8	5,6	9,4	10,3	11,3	15,0	16,5	16,9	18,8	31,0
645.Bxy08	6,5	9,8	16,3	18,0	19,5	26,0	28,8	29,3	32,5	54,1
645.Bxy09	4,5	6,8	11,3	12,1	13,6	18,1	19,4	20,4	22,6	36,3
645.Bxy10	5,4	8,1	13,6	14,1	16,3	21,7	22,6	24,4	27,1	42,4
645.Bxy11	8,5	12,8	21,3	20,9	25,6	34,2	33,4	38,4	42,7	62,6
645.Bxy12	10,7	16,0	26,6	33,2	32,0	42,6	53,1	47,9	53,3	99,5
645.Bxy13	13,7	20,6	34,4	31,4	41,2	55,0	50,2	61,9	68,7	94,1
645.Bxy14	17,7	26,6	44,3	51,2	53,2	70,9	82,0	79,7	88,6	153,7

Short Side UP Installation

	Max Pd (W) - Tamb up to 55°C									
	T6 - GAS			T6 - DUST	T5 - GAS		T5 - DUST	T4 - GAS		T4 - DUST
Scame code	Intern. Temp. 65°C	Intern. Temp. 70°C	Intern. Temp. 80°C	-	Intern. Temp. 85°C	Intern. Temp. 95°C	-	Intern. Temp. 100°C	Intern. Temp. 105°C	-
645.Bxy01	1,7	2,5	4,2	5,2	5,0	6,7	8,3	7,5	8,3	15,6
645.Bxy02	1,9	2,8	4,7	5,7	5,6	7,5	9,1	8,5	9,4	17,1
645.Bxy03	2,5	3,7	6,2	7,6	7,5	10,0	12,2	11,2	12,5	22,9
645.Bxy04	3,3	4,9	8,2	10,7	9,8	13,1	17,1	14,7	16,3	32,0
645.Bxy05	2,7	4,1	6,8	7,8	8,2	10,9	12,5	12,2	13,6	23,4
645.Bxy06	3,2	4,8	8,0	9,0	9,6	12,8	14,4	14,4	16,0	27,0
645.Bxy07	3,8	5,6	9,4	10,3	11,3	15,0	16,5	16,9	18,8	31,0
645.Bxy08	4,7	7,0	11,7	14,3	14,1	18,8	22,9	21,1	23,5	42,9
645.Bxy09	4,5	6,8	11,3	12,1	13,6	18,1	19,4	20,4	22,6	36,3
645.Bxy10	5,4	8,1	13,6	14,1	16,3	21,7	22,6	24,4	27,1	42,4
645.Bxy11	8,5	12,8	21,3	20,9	25,6	34,2	33,4	38,4	42,7	62,6
645.Bxy12	10,7	16,0	26,6	33,2	32,0	42,6	53,1	47,9	53,3	99,5
645.Bxy13	13,7	20,6	34,4	31,4	41,2	55,0	50,2	61,9	68,7	94,1
645.Bxy14	17,7	26,6	44,3	51,2	53,2	70,9	82,0	79,7	88,6	153,7

COPIA LIMITATA

Long Side UP Installation

Scame code	Max Pd (W) - Tamb up to 60°C								
	T6 - GAS		T6 - DUST	T5 - GAS		T5 - DUST	T4 - GAS		T4 - DUST
	Intern. Temp. 70°C	Intern. Temp. 80°C	-	Intern. Temp. 85°C	Intern. Temp. 95°C	-	Intern. Temp. 100°C	Intern. Temp. 105°C	-
645.Bxy01	1,7	3,3	4,2	4,2	5,8	7,3	6,7	7,5	14,6
645.Bxy02	1,9	3,8	4,6	4,7	6,6	8,0	7,5	8,5	16,0
645.Bxy03	2,7	5,4	6,6	6,7	9,4	11,5	10,8	12,1	23,0
645.Bxy04	3,4	6,9	8,6	8,6	12,0	15,0	13,7	15,4	29,9
645.Bxy05	2,7	5,4	6,3	6,8	9,5	10,9	10,9	12,2	21,9
645.Bxy06	3,2	6,4	7,2	8,0	11,2	12,6	12,8	14,4	25,2
645.Bxy07	3,8	7,5	8,3	9,4	13,2	14,5	15,0	16,9	28,9
645.Bxy08	6,5	13,0	14,4	16,3	22,8	25,2	26,0	29,3	50,5
645.Bxy09	4,5	9,0	9,7	11,3	15,8	16,9	18,1	20,4	33,9
645.Bxy10	5,4	10,9	11,3	13,6	19,0	19,8	21,7	24,4	39,6
645.Bxy11	8,5	17,1	16,7	21,3	29,9	29,2	34,2	38,4	58,4
645.Bxy12	10,7	21,3	26,5	26,6	37,3	46,4	42,6	47,9	92,8
645.Bxy13	13,7	27,5	25,1	34,4	48,1	43,9	55,0	61,9	87,8
645.Bxy14	17,7	35,4	41,0	44,3	62,0	71,7	70,9	79,7	143,4

Short Side UP Installation

Max Pd (W) - Tamb up to 60°C								
T6 - GAS		T6 - DUST	T5 - GAS		T5 - DUST	T4 - GAS		T4 - DUST
Intern. Temp. 70°C	Intern. Temp. 80°C	-	Intern. Temp. 85°C	Intern. Temp. 95°C	-	Intern. Temp. 100°C	Intern. Temp. 105°C	-
1,7	3,3	4,2	4,2	5,8	7,3	6,7	7,5	14,6
1,9	3,8	4,6	4,7	6,6	8,0	7,5	8,5	16,0
2,5	5,0	6,1	6,2	8,7	10,7	10,0	11,2	21,4
3,3	6,5	8,5	8,2	11,4	14,9	13,1	14,7	29,9
2,7	5,4	6,3	6,8	9,5	10,9	10,9	12,2	21,9
3,2	6,4	7,2	8,0	11,2	12,6	12,8	14,4	25,2
3,8	7,5	8,3	9,4	13,2	14,5	15,0	16,9	28,9
4,7	9,4	11,4	11,7	16,4	20,0	18,8	21,1	40,1
4,5	9,0	9,7	11,3	15,8	16,9	18,1	20,4	33,9
5,4	10,9	11,3	13,6	19,0	19,8	21,7	24,4	39,6
8,5	17,1	16,7	21,3	29,9	29,2	34,2	38,4	58,4
10,7	21,3	26,5	26,6	37,3	46,4	42,6	47,9	92,8
13,7	27,5	25,1	34,4	48,1	43,9	55,0	61,9	87,8
17,7	35,4	41,0	44,3	62,0	71,7	70,9	79,7	143,4

Long Side UP Installation

Scame code	Max Pd (W) - Tamb up to 75°C								
	T6 - GAS		T6 - DUST	T5 - GAS		T5 - DUST	T4 - GAS		T4 - DUST
		Intern. Temp. 80°C	-	Intern. Temp. 85°C	Intern. Temp. 95°C	-	Intern. Temp. 100°C	Intern. Temp. 105°C	-
645.Bxy01		0,8	1,0	1,7	3,3	4,2	4,2	5,0	11,4
645.Bxy02		0,9	1,1	1,9	3,8	4,6	4,7	5,6	12,6
645.Bxy03		1,3	1,6	2,7	5,4	6,6	6,7	8,1	18,1
645.Bxy04		1,7	2,1	3,4	6,9	8,6	8,6	10,3	23,5
645.Bxy05		1,4	1,6	2,7	5,4	6,3	6,8	8,2	17,2
645.Bxy06		1,6	1,8	3,2	6,4	7,2	8,0	9,6	19,8
645.Bxy07		1,9	2,1	3,8	7,5	8,3	9,4	11,3	22,7
645.Bxy08		3,3	3,6	6,5	13,0	14,4	16,3	19,5	39,7
645.Bxy09		2,3	2,4	4,5	9,0	9,7	11,3	13,6	26,6
645.Bxy10		2,7	2,8	5,4	10,9	11,3	13,6	16,3	31,1
645.Bxy11		4,3	4,2	8,5	17,1	16,7	21,3	25,6	45,9
645.Bxy12		5,3	6,6	10,7	21,3	26,5	26,6	32,0	72,9
645.Bxy13		6,9	6,3	13,7	27,5	25,1	34,4	41,2	69,0
645.Bxy14		8,9	10,2	17,7	35,4	41,0	44,3	53,2	112,7

Short Side UP Installation

Max Pd (W) - Tamb up to 75°C								
T6 - GAS		T6 - DUST	T5 - GAS		T5 - DUST	T4 - GAS		T4 - DUST
	Intern. Temp. 80°C	-	Intern. Temp. 85°C	Intern. Temp. 95°C	-	Intern. Temp. 100°C	Intern. Temp. 105°C	-
	0,8	1,0	1,7	3,3	4,2	4,2	5,0	11,4
	0,9	1,1	1,9	3,8	4,6	4,7	5,6	12,6
	1,2	1,5	2,5	5,0	6,1	6,2	7,5	16,8
	1,6	2,1	3,3	6,5	8,5	8,2	9,8	23,5
	1,4	1,6	2,7	5,4	6,3	6,8	8,2	17,2
	1,6	1,8	3,2	6,4	7,2	8,0	9,6	19,8
	1,9	2,1	3,8	7,5	8,3	9,4	11,3	22,7
	2,3	2,9	4,7	9,4	11,4	11,7	14,1	31,5
	2,3	2,4	4,5	9,0	9,7	11,3	13,6	26,6
	2,7	2,8	5,4	10,9	11,3	13,6	16,3	31,1
	4,3	4,2	8,5	17,1	16,7	21,3	25,6	45,9
	5,3	6,6	10,7	21,3	26,5	26,6	32,0	72,9
	6,9	6,3	13,7	27,5	25,1	34,4	41,2	69,0
	8,9	10,2	17,7	35,4	41,0	44,3	53,2	112,7

COPY ORIGINALE

	Long Side UP Installation			Short Side UP Installation		
	Max P_d (W) T_{amb} up to 95°C			Max P_d (W) T_{amb} up to 95°C		
	T4 - GAS		T4 - DUST	T4		T4 - DUST
Scame code	Intern. Temp. 100°C	Intern. Temp. 105°C	-	Intern. Temp. 100°C	Intern. Temp. 105°C	-
645.Bxy01	0,8	1,7	7,3	0,8	1,7	7,3
645.Bxy02	0,9	1,9	8,0	0,9	1,9	8,0
645.Bxy03	1,3	2,7	11,5	1,2	2,5	10,7
645.Bxy04	1,7	3,4	15,0	1,6	3,3	14,9
645.Bxy05	1,4	2,7	10,9	1,4	2,7	10,9
645.Bxy06	1,6	3,2	12,6	1,6	3,2	12,6
645.Bxy07	1,9	3,8	14,5	1,9	3,8	14,5
645.Bxy08	3,3	6,5	25,2	2,3	4,7	20,0
645.Bxy09	2,3	4,5	16,9	2,3	4,5	16,9
645.Bxy10	2,7	5,4	19,8	2,7	5,4	19,8
645.Bxy11	4,3	8,5	29,2	4,3	8,5	29,2
645.Bxy12	5,3	10,7	46,4	5,3	10,7	46,4
645.Bxy13	6,9	13,7	43,9	6,9	13,7	43,9
645.Bxy14	8,9	17,7	71,7	8,9	17,7	71,7

ZENITH-S TYPE 645.Cxxxxxx and 645.Dxxxxxx

	DUST		GAS	
	LONG SIDE	SHORT SIDE	LONG SIDE	SHORT SIDE
Scame code	K/W decl.	K/W decl.	K/W decl.	K/W decl.
645.*xy00zw	1,07	1,07	1,54	1,54
645.*xy01zw	0,68	0,68	0,79	0,79
645.*xy02zw	0,57	0,57	0,66	0,66
645.Cxy04zw	0,57	0,57	0,66	0,66
645.*xy03zw	0,51	0,51	0,58	0,58
645.Cxy08zw	0,51	0,51	0,58	0,58
645.*xy05zw	0,49	0,49	0,56	0,56
645.*xy07zw	0,40	0,40	0,45	0,45
645.*xy09zw	0,40	0,40	0,45	0,45
645.Cxy06zw	0,47	0,47	0,53	0,53
645.*xy14zw	0,47	0,47	0,53	0,53
645.Cxy10zw	0,35	0,35	0,39	0,39
645.*xy11zw	0,32	0,32	0,36	0,36
645.Cxy12zw	0,29	0,29	0,32	0,32
645.Cxy15zw	0,29	0,29	0,32	0,32
645.*xy16zw	0,24	0,24	0,28	0,28
645.Cxy13zw	0,24	0,24	0,27	0,27
645.Cxy17zw	0,24	0,24	0,26	0,26
645.*xy19zw	0,23	0,23	0,25	0,25
645.Cxy18zw	0,21	0,21	0,23	0,23
645.Cxy20zw	0,22	0,22	0,24	0,24
645.Cxy21zw	0,18	0,18	0,20	0,20
645.*xy22zw	0,20	0,17	0,24	0,18
645.*xy23zw	0,13	0,13	0,14	0,14
645.*xy24zw	0,11	0,09	0,13	0,12

COPIA LAVORO

Long Side UP Installation

Scame code	Max P_d (W) - T_{amb} up to 40°C									
	T6 - GAS			T6 DUST	T5 - GAS		T5 DUST	T4 - GAS		T4 DUST
	Intern. Temp. 60°C	Intern. Temp. 70°C	Intern. Temp. 80°C	-	Intern. Temp. 85°C	Intern. Temp. 95°C	-	Intern. Temp. 100°C	Intern. Temp. 105°C	-
645.*xy00zw	13,0	19,5	26,0	37,4	29,2	35,7	51,4	39,0	42,2	84,1
645.*xy01zw	25,4	38,1	50,8	58,5	57,1	69,8	80,5	76,2	82,5	131,7
645.*xy02zw	30,4	45,6	60,8	69,7	68,4	83,6	95,8	91,2	98,8	156,7
645.Cxy04zw	30,4	45,6	60,8	69,7	68,4	83,6	95,8	91,2	98,8	156,7
645.*xy03zw	34,4	51,6	68,8	78,4	77,5	94,7	107,9	103,3	111,9	176,5
645.Cxy08zw	34,4	51,6	68,8	78,4	77,5	94,7	107,9	103,3	111,9	176,5
645.*xy05zw	35,5	53,3	71,0	80,8	79,9	97,7	111,1	106,5	115,4	181,8
645.*xy07zw	44,7	67,1	89,4	100,8	100,6	122,9	138,6	134,1	145,3	226,8
645.*xy09zw	44,9	67,4	89,8	101,2	101,0	123,5	139,2	134,7	146,0	227,8
645.Cxy06zw	37,5	56,2	75,0	85,1	84,3	103,1	117,0	112,4	121,8	191,5
645.*xy14zw	37,5	56,2	75,0	85,1	84,3	103,1	117,0	112,4	121,8	191,5
645.Cxy10zw	50,7	76,1	101,5	113,8	114,2	139,5	156,5	152,2	164,9	256,0
645.*xy11zw	55,5	83,2	111,0	124,0	124,9	152,6	170,5	166,5	180,4	279,0
645.Cxy12zw	62,4	93,5	124,7	138,7	140,3	171,5	190,7	187,1	202,7	312,0
645.Cxy15zw	62,4	93,5	124,7	138,7	140,3	171,5	190,7	187,1	202,7	312,0
645.*xy16zw	72,5	108,7	144,9	169,5	163,0	199,3	233,1	217,4	235,5	381,4
645.Cxy13zw	75,1	112,7	150,2	165,7	169,0	206,5	227,9	225,3	244,1	372,9
645.Cxy17zw	75,9	113,9	151,9	167,5	170,8	208,8	230,3	227,8	246,8	376,8
645.*xy19zw	80,6	121,0	161,3	177,4	181,4	221,8	244,0	241,9	262,1	399,2
645.Cxy18zw	85,9	128,8	171,7	188,4	193,2	236,1	259,1	257,6	279,1	424,0
645.Cxy20zw	84,8	127,2	169,6	181,3	190,8	233,2	249,3	254,5	275,7	408,0
645.Cxy21zw	100,9	151,3	201,7	219,9	226,9	277,4	302,3	302,6	327,8	494,7
645.*xy22zw	83,6	125,5	167,3	200,0	188,2	230,0	275,0	250,9	271,9	450,0
645.*xy23zw	142,9	214,3	285,7	307,7	321,4	392,9	423,1	428,6	464,3	692,3
645.*xy24zw	153,8	230,8	307,7	354,9	346,2	423,1	488,0	461,5	500,0	798,6

Short Side UP Installation

Scame code	Max P_d (W) - T_{amb} up to 40°C									
	T6 - GAS			T6 DUST	T5 - GAS		T5 DUST	T4 - GAS		T4 DUST
	Intern. Temp. 60°C	Intern. Temp. 70°C	Intern. Temp. 80°C	-	Intern. Temp. 85°C	Intern. Temp. 95°C	-	Intern. Temp. 100°C	Intern. Temp. 105°C	-
645.*xy00zw	13,0	19,5	26,0	37,4	29,2	35,7	51,4	39,0	42,2	84,1
645.*xy01zw	25,4	38,1	50,8	58,5	57,1	69,8	80,5	76,2	82,5	131,7
645.*xy02zw	30,4	45,6	60,8	69,7	68,4	83,6	95,8	91,2	98,8	156,7
645.Cxy04zw	30,4	45,6	60,8	69,7	68,4	83,6	95,8	91,2	98,8	156,7
645.*xy03zw	34,4	51,6	68,8	78,4	77,5	94,7	107,9	103,3	111,9	176,5
645.Cxy08zw	34,4	51,6	68,8	78,4	77,5	94,7	107,9	103,3	111,9	176,5
645.*xy05zw	35,5	53,3	71,0	80,8	79,9	97,7	111,1	106,5	115,4	181,8
645.*xy07zw	44,7	67,1	89,4	100,8	100,6	122,9	138,6	134,1	145,3	226,8
645.*xy09zw	44,9	67,4	89,8	101,2	101,0	123,5	139,2	134,7	146,0	227,8
645.Cxy06zw	37,5	56,2	75,0	85,1	84,3	103,1	117,0	112,4	121,8	191,5
645.*xy14zw	37,5	56,2	75,0	85,1	84,3	103,1	117,0	112,4	121,8	191,5
645.Cxy10zw	50,7	76,1	101,5	113,8	114,2	139,5	156,5	152,2	164,9	256,0
645.*xy11zw	55,5	83,2	111,0	124,0	124,9	152,6	170,5	166,5	180,4	279,0
645.Cxy12zw	62,4	93,5	124,7	138,7	140,3	171,5	190,7	187,1	202,7	312,0
645.Cxy15zw	62,4	93,5	124,7	138,7	140,3	171,5	190,7	187,1	202,7	312,0
645.*xy16zw	72,5	108,7	144,9	169,5	163,0	199,3	233,1	217,4	235,5	381,4
645.Cxy13zw	75,1	112,7	150,2	165,7	169,0	206,5	227,9	225,3	244,1	372,9
645.Cxy17zw	75,9	113,9	151,9	167,5	170,8	208,8	230,3	227,8	246,8	376,8
645.*xy19zw	80,6	121,0	161,3	177,4	181,4	221,8	244,0	241,9	262,1	399,2
645.Cxy18zw	85,9	128,8	171,7	188,4	193,2	236,1	259,1	257,6	279,1	424,0
645.Cxy20zw	84,8	127,2	169,6	181,3	190,8	233,2	249,3	254,5	275,7	408,0
645.Cxy21zw	100,9	151,3	201,7	219,9	226,9	277,4	302,3	302,6	327,8	494,7
645.*xy22zw	108,4	162,6	216,8	235,3	243,9	298,1	323,5	325,2	352,3	529,4
645.*xy23zw	142,9	214,3	285,7	307,7	321,4	392,9	423,1	428,6	464,3	692,3
645.*xy24zw	166,7	250,0	307,7	424,6	375,0	458,3	583,9	500,0	541,7	955,4

COPY - PROPERTY OF IMQ

Long Side UP Installation

	Max P_d (W) - T_{amb} up to 50°C									
	T6 - GAS			T6 – DUST	T5 - GAS		T5 – DUST	T4 - GAS		T4 – DUST
Scame code	Intern. Temp. 60°C	Intern. Temp. 70°C	Intern. Temp. 80°C	-	Intern. Temp. 85°C	Intern. Temp. 95°C	-	Intern. Temp. 100°C	Intern. Temp. 105°C	-
645.*xy00zw	6,5	13,0	19,5	28,0	22,7	29,2	42,1	32,5	35,7	74,8
645.*xy01zw	12,7	25,4	38,1	43,9	44,4	57,1	65,8	63,5	69,8	117,0
645.*xy02zw	15,2	30,4	45,6	52,2	53,2	68,4	78,4	76,0	83,6	139,3
645.Cxy04zw	15,2	30,4	45,6	52,2	53,2	68,4	78,4	76,0	83,6	139,3
645.*xy03zw	17,2	34,4	51,6	58,8	60,2	77,5	88,3	86,1	94,7	156,9
645.Cxy08zw	17,2	34,4	51,6	58,8	60,2	77,5	88,3	86,1	94,7	156,9
645.*xy05zw	17,8	35,5	53,3	60,6	62,1	79,9	90,9	88,8	97,7	161,6
645.*xy07zw	22,4	44,7	67,1	75,6	78,2	100,6	113,4	111,8	122,9	201,6
645.*xy09zw	22,5	44,9	67,4	75,9	78,6	101,0	113,9	112,3	123,5	202,4
645.Cxy06zw	18,7	37,5	56,2	63,8	65,6	84,3	95,7	93,7	103,1	170,2
645.*xy14zw	18,7	37,5	56,2	63,8	65,6	84,3	95,7	93,7	103,1	170,2
645.Cxy10zw	25,4	50,7	76,1	85,3	88,8	114,2	128,0	126,8	139,5	227,6
645.*xy11zw	27,7	55,5	83,2	93,0	97,1	124,9	139,5	138,7	152,6	248,0
645.Cxy12zw	31,2	62,4	93,5	104,0	109,1	140,3	156,0	155,9	171,5	277,3
645.Cxy15zw	31,2	62,4	93,5	104,0	109,1	140,3	156,0	155,9	171,5	277,3
645.*xy16zw	36,2	72,5	108,7	127,1	126,8	163,0	190,7	181,2	199,3	339,0
645.Cxy13zw	37,6	75,1	112,7	124,3	131,4	169,0	186,5	187,8	206,5	331,5
645.Cxy17zw	38,0	75,9	113,9	125,6	132,9	170,8	188,4	189,8	208,8	335,0
645.*xy19zw	40,3	80,6	121,0	133,1	141,1	181,4	199,6	201,6	221,8	354,9
645.Cxy18zw	42,9	85,9	128,8	141,3	150,3	193,2	212,0	214,7	236,1	376,9
645.Cxy20zw	42,4	84,8	127,2	136,0	148,4	190,8	204,0	212,0	233,2	362,6
645.Cxy21zw	50,4	100,9	151,3	164,9	176,5	226,9	247,4	252,1	277,4	439,8
645.*xy22zw	41,8	83,6	125,5	150,0	146,4	188,2	225,0	209,1	230,0	400,0
645.*xy23zw	71,4	142,9	214,3	230,8	250,0	321,4	346,2	357,1	392,9	615,4
645.*xy24zw	76,9	153,8	230,8	266,2	230,8	307,7	399,3	346,2	384,6	709,8

Short Side UP Installation

	Max P_d (W) - T_{amb} up to 50°C									
	T6 - GAS			T6 – DUST	T5 - GAS		T5 – DUST	T4 - GAS		T4 – DUST
Scame code	Intern. Temp. 60°C	Intern. Temp. 70°C	Intern. Temp. 80°C	-	Intern. Temp. 85°C	Intern. Temp. 95°C	-	Intern. Temp. 100°C	Intern. Temp. 105°C	-
645.*xy00zw	6,5	13,0	19,5	28,0	22,7	29,2	42,1	32,5	35,7	74,8
645.*xy01zw	12,7	25,4	38,1	43,9	44,4	57,1	65,8	63,5	69,8	117,0
645.*xy02zw	15,2	30,4	45,6	52,2	53,2	68,4	78,4	76,0	83,6	139,3
645.Cxy04zw	15,2	30,4	45,6	52,2	53,2	68,4	78,4	76,0	83,6	139,3
645.*xy03zw	17,2	34,4	51,6	58,8	60,2	77,5	88,3	86,1	94,7	156,9
645.Cxy08zw	17,2	34,4	51,6	58,8	60,2	77,5	88,3	86,1	94,7	156,9
645.*xy05zw	17,8	35,5	53,3	60,6	62,1	79,9	90,9	88,8	97,7	161,6
645.*xy07zw	22,4	44,7	67,1	75,6	78,2	100,6	113,4	111,8	122,9	201,6
645.*xy09zw	22,5	44,9	67,4	75,9	78,6	101,0	113,9	112,3	123,5	202,4
645.Cxy06zw	18,7	37,5	56,2	63,8	65,6	84,3	95,7	93,7	103,1	170,2
645.*xy14zw	18,7	37,5	56,2	63,8	65,6	84,3	95,7	93,7	103,1	170,2
645.Cxy10zw	25,4	50,7	76,1	85,3	88,8	114,2	128,0	126,8	139,5	227,6
645.*xy11zw	27,7	55,5	83,2	93,0	97,1	124,9	139,5	138,7	152,6	248,0
645.Cxy12zw	31,2	62,4	93,5	104,0	109,1	140,3	156,0	155,9	171,5	277,3
645.Cxy15zw	31,2	62,4	93,5	104,0	109,1	140,3	156,0	155,9	171,5	277,3
645.*xy16zw	36,2	72,5	108,7	127,1	126,8	163,0	190,7	181,2	199,3	339,0
645.Cxy13zw	37,6	75,1	112,7	124,3	131,4	169,0	186,5	187,8	206,5	331,5
645.Cxy17zw	38,0	75,9	113,9	125,6	132,9	170,8	188,4	189,8	208,8	335,0
645.*xy19zw	40,3	80,6	121,0	133,1	141,1	181,4	199,6	201,6	221,8	354,9
645.Cxy18zw	42,9	85,9	128,8	141,3	150,3	193,2	212,0	214,7	236,1	376,9
645.Cxy20zw	42,4	84,8	127,2	136,0	148,4	190,8	204,0	212,0	233,2	362,6
645.Cxy21zw	50,4	100,9	151,3	164,9	176,5	226,9	247,4	252,1	277,4	439,8
645.*xy22zw	54,2	108,4	162,6	176,5	189,7	243,9	264,7	271,0	298,1	470,6
645.*xy23zw	71,4	142,9	214,3	230,8	250,0	321,4	346,2	357,1	392,9	615,4
645.*xy24zw	83,3	166,7	230,8	318,5	291,7	375,0	477,7	416,7	458,3	849,3

COPY IMQ PRODUCTS

Long Side UP Installation

Scame code	Max P_d (W) - T_{amb} up to 55°C									
	T6 - GAS			T6 – DUST	T5 - GAS		T5 – DUST	T4 - GAS		T4 – DUST
	Intern. Temp. 65°C	Intern. Temp. 70°C	Intern. Temp. 80°C	-	Intern. Temp. 85°C	Intern. Temp. 95°C	-	Intern. Temp. 100°C	Intern. Temp. 105°C	-
645.*xy00zw	3,2	9,7	16,2	23,4	19,5	26,0	37,4	29,2	32,5	70,1
645.*xy01zw	12,7	19,0	31,7	36,6	38,1	50,8	58,5	57,1	63,5	109,7
645.*xy02zw	15,2	22,8	38,0	43,5	45,6	60,8	69,7	68,4	76,0	130,6
645.Cxy04zw	15,2	22,8	38,0	43,5	45,6	60,8	69,7	68,4	76,0	130,6
645.*xy03zw	17,2	25,8	43,0	49,0	51,6	68,8	78,4	77,5	86,1	147,1
645.Cxy08zw	17,2	25,8	43,0	49,0	51,6	68,8	78,4	77,5	86,1	147,1
645.*xy05zw	17,8	26,6	44,4	50,5	53,3	71,0	80,8	79,9	88,8	151,5
645.*xy07zw	22,4	33,5	55,9	63,0	67,1	89,4	100,8	100,6	111,8	189,0
645.*xy09zw	22,5	33,7	56,1	63,3	67,4	89,8	101,2	101,0	112,3	189,8
645.Cxy06zw	18,7	28,1	46,9	53,2	56,2	75,0	85,1	84,3	93,7	159,6
645.*xy14zw	18,7	28,1	46,9	53,2	56,2	75,0	85,1	84,3	93,7	159,6
645.Cxy10zw	25,4	38,1	63,4	71,1	76,1	101,5	113,8	114,2	126,8	213,4
645.*xy11zw	27,7	41,6	69,4	77,5	83,2	111,0	124,0	124,9	138,7	232,5
645.Cxy12zw	31,2	46,8	77,9	86,7	93,5	124,7	138,7	140,3	155,9	260,0
645.Cxy15zw	31,2	46,8	77,9	86,7	93,5	124,7	138,7	140,3	155,9	260,0
645.*xy16zw	36,2	54,3	90,6	105,9	108,7	144,9	169,5	163,0	181,2	317,8
645.Cxy13zw	37,6	56,3	93,9	103,6	112,7	150,2	165,7	169,0	187,8	310,8
645.Cxy17zw	38,0	56,9	94,9	104,7	113,9	151,9	167,5	170,8	189,8	314,0
645.*xy19zw	40,3	60,5	100,8	110,9	121,0	161,3	177,4	181,4	201,6	332,7
645.Cxy18zw	42,9	64,4	107,3	117,8	128,8	171,7	188,4	193,2	214,7	353,3
645.Cxy20zw	42,4	63,6	106,0	113,3	127,2	169,6	181,3	190,8	212,0	340,0
645.Cxy21zw	50,4	75,6	126,1	137,4	151,3	201,7	219,9	226,9	252,1	412,3
645.*xy22zw	41,8	62,7	104,6	125,0	125,5	167,3	200,0	188,2	209,1	375,0
645.*xy23zw	35,7	107,1	178,6	192,3	214,3	285,7	307,7	321,4	357,1	576,9
645.*xy24zw	38,5	115,4	192,3	221,8	230,8	307,7	354,9	346,2	384,6	665,5

Short Side UP Installation

Max P_d (W) - T_{amb} up to 55°C										
T6 - GAS			T6 – DUST	T5 – GAS		T5 – DUST	T4 - GAS		T4 – DUST
Intern. Temp. 65°C	Intern. Temp. 70°C	Intern. Temp. 80°C	-	Intern. Temp. 85°C	Intern. Temp. 95°C	-	Intern. Temp. 100°C	Intern. Temp. 105°C	-
3,2	9,7	16,2	23,4	19,5	26,0	37,4	29,2	32,5	70,1
12,7	19,0	31,7	36,6	38,1	50,8	58,5	57,1	63,5	109,7
15,2	22,8	38,0	43,5	45,6	60,8	69,7	68,4	76,0	130,6
15,2	22,8	38,0	43,5	45,6	60,8	69,7	68,4	76,0	130,6
17,2	25,8	43,0	49,0	51,6	68,8	78,4	77,5	86,1	147,1
17,2	25,8	43,0	49,0	51,6	68,8	78,4	77,5	86,1	147,1
17,8	26,6	44,4	50,5	53,3	71,0	80,8	79,9	88,8	151,5
22,4	33,5	55,9	63,0	67,1	89,4	100,8	100,6	111,8	189,0
22,5	33,7	56,1	63,3	67,4	89,8	101,2	101,0	112,3	189,8
18,7	28,1	46,9	53,2	56,2	75,0	85,1	84,3	93,7	159,6
18,7	28,1	46,9	53,2	56,2	75,0	85,1	84,3	93,7	159,6
25,4	38,1	63,4	71,1	76,1	101,5	113,8	114,2	126,8	213,4
27,7	41,6	69,4	77,5	83,2	111,0	124,0	124,9	138,7	232,5
31,2	46,8	77,9	86,7	93,5	124,7	138,7	140,3	155,9	260,0
31,2	46,8	77,9	86,7	93,5	124,7	138,7	140,3	155,9	260,0
36,2	54,3	90,6	105,9	108,7	144,9	169,5	163,0	181,2	317,8
37,6	56,3	93,9	103,6	112,7	150,2	165,7	169,0	187,8	310,8
38,0	56,9	94,9	104,7	113,9	151,9	167,5	170,8	189,8	314,0
40,3	60,5	100,8	110,9	121,0	161,3	177,4	181,4	201,6	332,7
42,9	64,4	107,3	117,8	128,8	171,7	188,4	193,2	214,7	353,3
42,4	63,6	106,0	113,3	127,2	169,6	181,3	190,8	212,0	340,0
50,4	75,6	126,1	137,4	151,3	201,7	219,9	226,9	252,1	412,3
54,2	81,3	135,5	147,1	162,6	216,8	235,3	243,9	271,0	441,2
35,7	107,1	178,6	192,3	214,3	285,7	307,7	321,4	357,1	576,9
41,7	125,0	192,3	265,4	250,0	333,3	424,6	375,0	416,7	796,2

Long Side UP Installation

Scame code	Max P_d (W) - T_{amb} up to 60°C								
	T6 - GAS		T6 – DUST	T5 - GAS		T5 – DUST	T4 - GAS		T4 – DUST
	Intern. Temp. 70°C	Intern. Temp. 80°C	-	Intern. Temp. 85°C	Intern. Temp. 95°C	-	Intern. Temp. 100°C	Intern. Temp. 105°C	-
645.*xy00zw	6,5	13,0	18,7	16,2	22,7	32,7	26,0	29,2	65,4
645.*xy01zw	12,7	25,4	29,3	31,7	44,4	51,2	50,8	57,1	102,4
645.*xy02zw	15,2	30,4	34,8	38,0	53,2	60,9	60,8	68,4	121,9
645.Cxy04zw	15,2	30,4	34,8	38,0	53,2	60,9	60,8	68,4	121,9
645.*xy03zw	17,2	34,4	39,2	43,0	60,2	68,6	68,8	77,5	137,3
645.Cxy08zw	17,2	34,4	39,2	43,0	60,2	68,6	68,8	77,5	137,3
645.*xy05zw	17,8	35,5	40,4	44,4	62,1	70,7	71,0	79,9	141,4
645.*xy07zw	22,4	44,7	50,4	55,9	78,2	88,2	89,4	100,6	176,4
645.*xy09zw	22,5	44,9	50,6	56,1	78,6	88,6	89,8	101,0	177,1
645.Cxy06zw	18,7	37,5	42,6	46,9	65,6	74,5	75,0	84,3	148,9
645.*xy14zw	18,7	37,5	42,6	46,9	65,6	74,5	75,0	84,3	148,9
645.Cxy10zw	25,4	50,7	56,9	63,4	88,8	99,6	101,5	114,2	199,1

Short Side UP Installation

Max P_d (W) - T_{amb} up to 60°C								
T6 - GAS		T6 – DUST	T5 - GAS		T5 – DUST	T4 - GAS		T4 – DUST
Intern. Temp. 70°C	Intern. Temp. 80°C	-	Intern. Temp. 85°C	Intern. Temp. 95°C	-	Intern. Temp. 100°C	Intern. Temp. 105°C	-
6,5	13,0	18,7	16,2	22,7	32,7	26,0	29,2	65,4
12,7	25,4	29,3	31,7	44,4	51,2	50,8	57,1	102,4
15,2	30,4	34,8	38,0	53,2	60,9	60,8	68,4	121,9
15,2	30,4	34,8	38,0	53,2	60,9	60,8	68,4	121,9
17,2	34,4	39,2	43,0	60,2	68,6	68,8	77,5	137,3
17,2	34,4	39,2	43,0	60,2	68,6	68,8	77,5	137,3
17,8	35,5	40,4	44,4	62,1	70,7	71,0	79,9	141,4
22,4	44,7	50,4	55,9	78,2	88,2	89,4	100,6	176,4
22,5	44,9	50,6	56,1	78,6	88,6	89,8	101,0	177,1
18,7	37,5	42,6	46,9	65,6	74,5	75,0	84,3	148,9
18,7	37,5	42,6	46,9	65,6	74,5	75,0	84,3	148,9
25,4	50,7	56,9	63,4	88,8	99,6	101,5	114,2	199,1

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645.*xy11zw	27,7	55,5	62,0	69,4	97,1	108,5	111,0	124,9	217,0	27,7	55,5	62,0	69,4	97,1	108,5	111,0	124,9	217,0
645.Cxy12zw	31,2	62,4	69,3	77,9	109,1	121,3	124,7	140,3	242,7	31,2	62,4	69,3	77,9	109,1	121,3	124,7	140,3	242,7
645.Cxy15zw	31,2	62,4	69,3	77,9	109,1	121,3	124,7	140,3	242,7	31,2	62,4	69,3	77,9	109,1	121,3	124,7	140,3	242,7
645.*xy16zw	36,2	72,5	84,7	90,6	126,8	148,3	144,9	163,0	296,6	36,2	72,5	84,7	90,6	126,8	148,3	144,9	163,0	296,6
645.Cxy13zw	37,6	75,1	82,9	93,9	131,4	145,0	150,2	169,0	290,0	37,6	75,1	82,9	93,9	131,4	145,0	150,2	169,0	290,0
645.Cxy17zw	38,0	75,9	83,7	94,9	132,9	146,5	151,9	170,8	293,1	38,0	75,9	83,7	94,9	132,9	146,5	151,9	170,8	293,1
645.*xy19zw	40,3	80,6	88,7	100,8	141,1	155,3	161,3	181,4	310,5	40,3	80,6	88,7	100,8	141,1	155,3	161,3	181,4	310,5
645.Cxy18zw	42,9	85,9	94,2	107,3	150,3	164,9	171,7	193,2	329,8	42,9	85,9	94,2	107,3	150,3	164,9	171,7	193,2	329,8
645.Cxy20zw	42,4	84,8	90,7	106,0	148,4	158,7	169,6	190,8	317,3	42,4	84,8	90,7	106,0	148,4	158,7	169,6	190,8	317,3
645.Cxy21zw	50,4	100,9	109,9	126,1	176,5	192,4	201,7	226,9	384,8	50,4	100,9	109,9	126,1	176,5	192,4	201,7	226,9	384,8
645.*xy22zw	41,8	83,6	100,0	104,6	146,4	175,0	167,3	188,2	350,0	54,2	108,4	117,6	135,5	189,7	205,9	216,8	243,9	411,8
645.*xy23zw	71,4	142,9	153,8	178,6	250,0	269,2	285,7	321,4	538,5	71,4	142,9	153,8	178,6	250,0	269,2	285,7	321,4	538,5
645.*xy24zw	76,9	153,8	177,5	192,3	269,2	310,6	307,7	346,2	621,1	83,3	153,8	212,3	208,3	291,7	371,5	333,3	375,0	743,1

Long Side UP Installation

Scame code	Max P_d (W) - T_{amb} up to 75°C							
	T6 - GAS	T6 – DUST	T5 - GAS		T5 – DUST	T4 - GAS		T4 – DUST
	Intern. Temp. 80°C	-	Intern. Temp. 85°C	Intern. Temp. 95°C	-	Intern. Temp. 100°C	Intern. Temp. 105°C	-
645.*xy00zw	3,2	4,7	6,5	13,0	18,7	16,2	19,5	51,4
645.*xy01zw	6,3	7,3	12,7	25,4	29,3	31,7	38,1	80,5
645.*xy02zw	7,6	8,7	15,2	30,4	34,8	38,0	45,6	95,8
645.Cxy04zw	7,6	8,7	15,2	30,4	34,8	38,0	45,6	95,8
645.*xy03zw	8,6	9,8	17,2	34,4	39,2	43,0	51,6	107,9
645.Cxy08zw	8,6	9,8	17,2	34,4	39,2	43,0	51,6	107,9
645.*xy05zw	8,9	10,1	17,8	35,5	40,4	44,4	53,3	111,1
645.*xy07zw	11,2	12,6	22,4	44,7	50,4	55,9	67,1	138,6
645.*xy09zw	11,2	12,7	22,5	44,9	50,6	56,1	67,4	139,2
645.Cxy06zw	9,4	10,6	18,7	37,5	42,6	46,9	56,2	117,0
645.*xy14zw	9,4	10,6	18,7	37,5	42,6	46,9	56,2	117,0
645.Cxy10zw	12,7	14,2	25,4	50,7	56,9	63,4	76,1	156,5
645.*xy11zw	13,9	15,5	27,7	55,5	62,0	69,4	83,2	170,5
645.Cxy12zw	15,6	17,3	31,2	62,4	69,3	77,9	93,5	190,7
645.Cxy15zw	15,6	17,3	31,2	62,4	69,3	77,9	93,5	190,7
645.*xy16zw	18,1	21,2	36,2	72,5	84,7	90,6	108,7	233,1
645.Cxy13zw	18,8	20,7	37,6	75,1	82,9	93,9	112,7	227,9
645.Cxy17zw	19,0	20,9	38,0	75,9	83,7	94,9	113,9	230,3
645.*xy19zw	20,2	22,2	40,3	80,6	88,7	100,8	121,0	244,0
645.Cxy18zw	21,5	23,6	42,9	85,9	94,2	107,3	128,8	259,1
645.Cxy20zw	21,2	22,7	42,4	84,8	90,7	106,0	127,2	249,3
645.Cxy21zw	25,2	27,5	50,4	100,9	109,9	126,1	151,3	302,3
645.*xy22zw	20,9	25,0	41,8	83,6	100,0	104,6	125,5	275,0
645.*xy23zw	35,7	38,5	71,4	142,9	153,8	178,6	214,3	423,1
645.*xy24zw	38,5	44,4	76,9	153,8	177,5	192,3	230,8	488,0

Short Side UP Installation

Max P_d (W) - T_{amb} up to 75°C							
T6 - GAS	T6 – DUST	T5 - GAS		T5 – DUST	T4 - GAS		T4 – DUST
Intern. Temp. 80°C	-	Intern. Temp. 85°C	Intern. Temp. 95°C	-	Intern. Temp. 100°C	Intern. Temp. 105°C	-
3,2	4,7	6,5	13,0	18,7	16,2	19,5	51,4
6,3	7,3	12,7	25,4	29,3	31,7	38,1	80,5
7,6	8,7	15,2	30,4	34,8	38,0	45,6	95,8
7,6	8,7	15,2	30,4	34,8	38,0	45,6	95,8
8,6	9,8	17,2	34,4	39,2	43,0	51,6	107,9
8,6	9,8	17,2	34,4	39,2	43,0	51,6	107,9
8,9	10,1	17,8	35,5	40,4	44,4	53,3	111,1
11,2	12,6	22,4	44,7	50,4	55,9	67,1	138,6
11,2	12,7	22,5	44,9	50,6	56,1	67,4	139,2
9,4	10,6	18,7	37,5	42,6	46,9	56,2	117,0
9,4	10,6	18,7	37,5	42,6	46,9	56,2	117,0
12,7	14,2	25,4	50,7	56,9	63,4	76,1	156,5
13,9	15,5	27,7	55,5	62,0	69,4	83,2	170,5
15,6	17,3	31,2	62,4	69,3	77,9	93,5	190,7
15,6	17,3	31,2	62,4	69,3	77,9	93,5	190,7
18,1	21,2	36,2	72,5	84,7	90,6	108,7	233,1
18,8	20,7	37,6	75,1	82,9	93,9	112,7	227,9
19,0	20,9	38,0	75,9	83,7	94,9	113,9	230,3
20,2	22,2	40,3	80,6	88,7	100,8	121,0	244,0
21,5	23,6	42,9	85,9	94,2	107,3	128,8	259,1
21,2	22,7	42,4	84,8	90,7	106,0	127,2	249,3
25,2	27,5	50,4	100,9	109,9	126,1	151,3	302,3
27,1	29,4	54,2	108,4	117,6	135,5	162,6	323,5
35,7	38,5	71,4	142,9	153,8	178,6	214,3	423,1
38,5	53,1	83,3	166,7	212,3	208,3	250,0	583,9

COPY CONTROLLED IMQ

	Long Side UP Installation			Short Side UP Installation		
	Max P_d (W) T_{amb} up to 95°C			Max P_d (W) T_{amb} up to 95°C		
	T4 - GAS		T4 – DUST	T4 - GAS		T4 – DUST
Scame code	Intern. Temp. 100°C	Intern. Temp. 105°C	-	Intern. Temp. 100°C	Intern. Temp. 105°C	-
645.*xy00zw	3,2	6,5	32,7	3,2	6,5	32,7
645.*xy01zw	6,3	12,7	51,2	6,3	12,7	51,2
645.*xy02zw	7,6	15,2	60,9	7,6	15,2	60,9
645.Cxy04zw	7,6	15,2	60,9	7,6	15,2	60,9
645.*xy03zw	8,6	17,2	68,6	8,6	17,2	68,6
645.Cxy08zw	8,6	17,2	68,6	8,6	17,2	68,6
645.*xy05zw	8,9	17,8	70,7	8,9	17,8	70,7
645.*xy07zw	11,2	22,4	88,2	11,2	22,4	88,2
645.*xy09zw	11,2	22,5	88,6	11,2	22,5	88,6
645.Cxy06zw	9,4	18,7	74,5	9,4	18,7	74,5
645.*xy14zw	9,4	18,7	74,5	9,4	18,7	74,5
645.Cxy10zw	12,7	25,4	99,6	12,7	25,4	99,6
645.*xy11zw	13,9	27,7	108,5	13,9	27,7	108,5
645.Cxy12zw	15,6	31,2	121,3	15,6	31,2	121,3
645.Cxy15zw	15,6	31,2	121,3	15,6	31,2	121,3
645.*xy16zw	18,1	36,2	148,3	18,1	36,2	148,3
645.Cxy13zw	18,8	37,6	145,0	18,8	37,6	145,0
645.Cxy17zw	19,0	38,0	146,5	19,0	38,0	146,5
645.*xy19zw	20,2	40,3	155,3	20,2	40,3	155,3
645.Cxy18zw	21,5	42,9	164,9	21,5	42,9	164,9
645.Cxy20zw	21,2	42,4	158,7	21,2	42,4	158,7
645.Cxy21zw	25,2	50,4	192,4	25,2	50,4	192,4
645.*xy22zw	20,9	41,8	175,0	27,1	54,2	205,9
645.*xy23zw	35,7	71,4	269,2	35,7	71,4	269,2
645.*xy24zw	38,5	76,9	310,6	41,7	83,3	371,5

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Enclosure, gaskets and cable entries temperature rise coefficient

For each enclosure the parameter K/W, that gives the temperature rise (in K) inside each enclosure for each watt of power dissipated, has been calculated on the basis of temperature tests listed at the beginning of Measurement Section. The parameter K/W for each enclosure is listed in tables above, while in following tables the parameter K/W for gaskets and cable entries is given.

Zenith-P:

Scame code	K/W			
	GASKET		CABLE	
	LONG SIDE	SHORT SIDE	LONG SIDE	SHORT SIDE
6440100	3,91	3,91	3,86	3,86
6440200	3,49	3,49	3,23	3,23
6440110	3,51	3,51	3,25	3,25
6440210	3,24	3,24	2,97	2,97
6440120	2,83	2,19	1,93	2,50
6440220	2,55	2,24	1,74	2,18
6440130	2,66	2,30	1,82	2,25
6440230	2,39	2,16	1,63	2,06
6440140	2,47	2,20	1,68	2,12
6440240	2,21	2,04	1,49	1,92
6440345	2,65	2,65	2,37	2,37
6440350	1,81	1,85	1,21	1,54
6440360	1,97	1,97	1,30	1,30
6440370	1,46	1,48	0,95	1,24
6440380	1,15	1,20	0,73	0,95
6440390	0,70	0,80	0,40	0,55
6440465	0,77	0,77	0,41	0,41
6440485	0,52	0,57	0,27	0,46
6440585	0,26	0,45	0,09	0,26
6440595	0,34	0,34	0,14	0,14

Zenith-S:

Scame code	K/W			
	GASKET		CABLE	
	LONG SIDE	SHORT SIDE	LONG SIDE	SHORT SIDE
645.Bxy01	3,62	3,62	2,56	2,56
645.Bxy02	3,16	3,16	2,30	2,30
645.Bxy03	2,40	2,41	1,98	2,90
645.Bxy04	1,99	1,95	1,76	2,05
645.Bxy05	2,31	2,31	1,57	1,57
645.Bxy06	2,00	2,00	1,36	1,36
645.Bxy07	1,75	1,75	1,20	1,20
645.Bxy08	1,04	1,16	0,79	1,00
645.Bxy09	1,49	1,49	1,03	1,03
645.Bxy10	1,27	1,27	0,90	0,90
645.Bxy11	0,86	0,86	0,63	0,63
645.Bxy12	0,64	0,64	0,49	0,49
645.Bxy13	0,57	0,57	0,40	0,40
645.Bxy14	0,50	0,50	0,25	0,25

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Scame code	K/W			
	CABLE		GASKET	
	LONG SIDE	SHORT SIDE	LONG SIDE	SHORT SIDE
645.*xy00zw	0,36	0,36	0,83	0,83
645.*xy01zw	0,33	0,33	0,75	0,75
645.*xy02zw	0,28	0,28	0,63	0,63
645.Cxy04zw	0,28	0,28	0,63	0,63
645.*xy03zw	0,25	0,25	0,56	0,56
645.Cxy08zw	0,25	0,25	0,56	0,56
645.*xy05zw	0,24	0,24	0,54	0,54
645.*xy07zw	0,19	0,19	0,43	0,43
645.*xy09zw	0,19	0,19	0,42	0,42
645.Cxy06zw	0,17	0,17	0,38	0,38
645.*xy14zw	0,17	0,17	0,38	0,38
645.Cxy10zw	0,17	0,17	0,37	0,37
645.*xy11zw	0,16	0,16	0,34	0,34
645.Cxy12zw	0,14	0,14	0,30	0,30
645.Cxy15zwe	0,14	0,14	0,30	0,30
645.*xy16zw	0,13	0,13	0,27	0,27
645.Cxy13zw	0,12	0,12	0,25	0,25
645.Cxy17zw	0,12	0,12	0,25	0,25
645.*xy19zw	0,11	0,11	0,23	0,23
645.Cxy18zw	0,10	0,10	0,22	0,22
645.Cxy20zw	0,10	0,10	0,21	0,21
645.Cxy21zw	0,09	0,09	0,18	0,18
645.*xy22zw	0,08	0,14	0,17	0,16
645.*xy23zw	0,06	0,06	0,13	0,13
645.*xy24zw	0,08	0,05	0,08	0,10

*C or D

The cable temperature on the branching point Tc is:

$$Tc = Tamb.max. + K/W * PD$$

When Tc > 80°C the label shall show the value in order to select the suitable cable.

The gasket temperature is:

$$Tamb.max. + K/W * PD$$

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When the enclosures are joined using the SL00059 Junction kit, a mutual influence coefficient between the enclosures has been considered to be added to the K/W when they are used individually

	GAS/DUST ENCLOSURE		GASKET		CABLE	
Enclosures Joined (V/H)	Vertical	Horizontal	Vertical	Horizontal	Up	Side or Bottom
Mutual influence coefficient K/W	0,35	1,10	0,80	0,60	1,40	0,15

When there is at least n.1 junction kit on the left or right enclosure's wall it's always applied the horizontal mutual influence coefficient.

In case of non-uniformity of the dissipated powers between the enclosures, the thermal calculation is carried out considering the worst case, i.e. analyzing only the enclosure that dissipates the maximum power. Then calculate the K of this enclosure as if it were single and then add the delta K obtained by the factor of mutual influence multiplied by the power of the single enclosure (that of the worst case).

The marking data (temperature class and maximum surface temperature) then obtained for this enclosure will also be applied to the others joined to it by means of the junction kit.)

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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.

Name	Description	CZ Order No.	Manufacturer	Description	Marking	ATEX Certificate Number	Standards ATEX:	IECEx Certificate Number	Standards on IECEx CoC:	Gap analysis review (ExTAG DS 2014-001)	Operating Temp. range
CZ0201 series operation head	Pushbutton	P1□	CZ		II 2 GD Ex eb IIC Gb Ex tb IIIC Db	CML 19ATEX 3180U_0	EN 60079-0:2018 EN 60079-7:2015+A1:2018 EN 60079-31:2014	IECEx CQM 15.0035U_1	IEC60079-0:2011 IEC60079-31:2013 IEC60079-7:2015	Components certified to current edition of standards. No applicable major technical differences between 60079-0:2017 and 60079-0:2011	-55°C to +65°C
	Double pushbutton	P2□	CZ								
	Emergency stop	P3E	CZ								
	Black mushroom	P4B	CZ								
	Red mushroom	P4R	CZ								
	Green mushroom	P4G	CZ								
	Black mushroom, new	P5B	CZ								
	Red mushroom, new	P5R	CZ								
	Green mushroom, new	P5G	CZ								
	Emergency stop, twisted to release	P6E	CZ								
	Emergency stop, twisted to release	P7E	CZ								
	Twisted to release	P6B	CZ								
	Twisted to release	P7B	CZ								
	Red mushroom with key	Y21E	CZ								
	Red mushroom with key	Y22E	CZ								
	Black mushroom with key, new	Y21B	CZ								
	Black mushroom with key, new	Y22B	CZ								

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key pushbutton/key switch	Y61	CZ	
key pushbutton/key switch	Y62	CZ	
key pushbutton/key switch	Y51	CZ	
key pushbutton/key switch	Y52	CZ	
2-pole switch,forward LEFT, small handle	KB4104	CZ	
2-pole switch,forward TOP, small handle	KB4204	CZ	
2-pole switch,forward LEFT, small handle	KB5104	CZ	
2-pole switch,forward TOP, small handle, till K52 out of stock	KB52□	CZ	
2-pole switch,forward TOP, small handle	K52	CZ	
2-pole switch,forward LEFT, small handle	KB6101	CZ	
2-pole switch,forward TOP, small handle, till K62 out of stock	KB6201	CZ	
2-pole switch,forward TOP, small handle	K62	CZ	
2-pole switch,forward LEFT, small handle	KB8105	CZ	
2-pole switch,forward TOP, small handle	KB8205	CZ	
2-pole switch,forward LEFT, Big handle, yellow/red, new	SE6151	CZ	
2-pole switch,forward TOP , Big handle, yellow/red, new	SE6251	CZ	
2-pole switch,forward LEFT, Big handle	SB4104	CZ	
2-pole switch,forward TOP , Big handle	SB4204	CZ	
2-pole switch,forward LEFT, Big handle	SB5104	CZ	
2-pole switch,forward TOP, Big handle	SB5204	CZ	
2-pole switch,forward LEFT, Big handle	SB6101	CZ	
2-pole switch,forward TOP, Big handle	SB6201	CZ	

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	2-pole switch,forward LEFT, Big handle	SB8105	CZ								
	2-pole switch,forward TOP, Big handle	SB8205	CZ								
	4-pole switch, forward LEFT, yellow/red, new	HE3151	CZ								
	4-pole switch, forward TOP, yellow/red, new	HE3251	CZ								
	4-pole switch, forward LEFT	HB3101	CZ								
	4-pole switch, forward TOP	HB3201	CZ								
	4-pole switch, forward LEFT	HB3103	CZ								
	4-pole switch, forward TOP	HB3203	CZ								
	4-pole switch, forward LEFT	HB4104	CZ								
	4-pole switch, forward TOP	HB4204	CZ								
	yellow/red, new	VE6101	CZ								
	yellow/red, new	VE6201	CZ								
	Switch	VB6101	CZ								
	Switch	VB6201	CZ								
	Switch	VB6102	CZ								
	Switch	VB6202	CZ								
	Stopping plug	B1	CZ								
CZ0201 Series Pushbuttons, 2/4 pole											
2/4 pole switch module	board front type, 1NO/NC, silver contacts, -40°C≤Ta≤+60°C	CZ0201-60SL	CZ		II 2G Ex db eb IIC Gb	Presafe 16 ATEX 9096U_0	EN 60079-0:2012+A11:2013 EN 60079-7:2015 EN 60079-1:2014	IECEx CQM 08.0005U_3	IEC60079-0:2011 IEC60079-7:2015 IEC60079-1:2014	No applicable major technical differences between 60079-0:2017 and 60079-0:2011. Components certified to current edition of standards. AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018	-40°C to +90°C
	board backtype, 1NO/NC, silver contacts, -40°C≤Ta≤+60°C	CZ0201-70SL	CZ								
	board front type, 2NC, silver contacts, -40°C≤Ta≤+60°C	CZ0201-61SL	CZ								

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	board backtype, 2NC, silver contacts, -40°C≤Ta≤+60°C	CZ0201-71SL	CZ	
	board front type, 2NO, silver contacts, -40°C≤Ta≤+60°C	CZ0201-62SL	CZ	
	board backtype, 2NO, silver contacts, -40°C≤Ta≤+60°C	CZ0201-72SL	CZ	
	board front type, 2NO/2NC,silver contacts, -40°C≤Ta≤+60°C	CZ0201-B650SL	CZ	
	board backtype, 2NO/2NC, silver contacts,-40°C≤Ta≤+60°C	CZ0201-B750SL	CZ	
	board front type, 4NC, silver contacts,-40°C≤Ta≤+60°C	CZ0201-B651SL	CZ	
	board back type, 4NC, silver contacts,-40°C≤Ta≤+60°C	CZ0201-B751SL	CZ	
	board front type, 4NO, silver contacts,-40°C≤Ta≤+60°C	CZ0201-B652SL	CZ	
	board backtype, 4NO, silver contacts,-40°C≤Ta≤+60°C	CZ0201-B752SL	CZ	
	board front type, 1NC/3NO, silver contacts,-40°C≤Ta≤+60°C	CZ0201-B653SL	CZ	
	board backtype, 1NC/3NO, silver contacts,-40°C≤Ta≤+60°C	CZ0201-B753SL	CZ	
	board front type, 3NC/1NO, silver contacts,-40°C≤Ta≤+60°C	CZ0201-B654SL	CZ	
	board backtype, 3NC/1NO, silver contacts,-40°C≤Ta≤+60°C	CZ0201-B754SL	CZ	
	board front type, 1NO/NC, gold contacts, -40°C≤Ta≤+60°C	CZ0201-60GL	CZ	

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board backtype, 1NO/NC, gold contacts, -40°C≤Ta≤+60°C	CZ0201-70GL	CZ	
board front type, 2NC, gold contacts, -40°C≤Ta≤+60°C	CZ0201-61GL	CZ	
board backtype, 2NC, gold contacts, -40°C≤Ta≤+60°C	CZ0201-71GL	CZ	
board front type, 2NO, gold contacts, -40°C≤Ta≤+60°C	CZ0201-62GL	CZ	
board backtype, 2NO, gold contacts, -40°C≤Ta≤+60°C	CZ0201-72GL	CZ	
board front type, 2NO/2NC,gold contacts, -40°C≤Ta≤+60°C	CZ0201-B650GL	CZ	
board backtype, 2NO/2NC, gold contacts,-40°C≤Ta≤+60°C	CZ0201-B750GL	CZ	
board front type, 4NC, gold contacts,-40°C≤Ta≤+60°C	CZ0201-B651GL	CZ	
board back type, 4NC, gold contacts,-40°C≤Ta≤+60°C	CZ0201-B751GL	CZ	
board front type, 4NO, gold contacts,-40°C≤Ta≤+60°C	CZ0201-B652GL	CZ	
board backtype, 4NO, gold contacts,-40°C≤Ta≤+60°C	CZ0201-B752GL	CZ	
board front type, 1NC/3NO, gold contacts,-40°C≤Ta≤+60°C	CZ0201-B653GL	CZ	
board backtype, 1NC/3NO, gold contacts,-40°C≤Ta≤+60°C	CZ0201-B753GL	CZ	
board front type, 3NC/1NO, gold contacts,-40°C≤Ta≤+60°C	CZ0201-B654GL	CZ	

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	board backtype, 3NC/1NO, gold contacts,- 40°C≤Ta≤+60°C	CZ0201-B754GL	CZ								
	board front type, 1NO/NC, silver contacts, - 55°C≤Ta≤+60°C	CZ0201-60SH	CZ		II 2G Ex db eb IIC Gb	Presafe 16 ATEX 9096U_0	EN 60079-0:2012+A11:2013 EN 60079-7:2015 EN 60079-1:2014	IECEx CQM 08.0005U_3	IEC60079-0:2011 IEC60079-7:2015 IEC60079-1:2014	No applicable major technical differences between 60079-0:2017 and 60079-0:2011. Components certified to current edition of standards. AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018	-55°C + 90°C
	board backtype, 1NO/NC, silver contacts, - 55°C≤Ta≤+60°C	CZ0201-70SH	CZ								
	board front type, 2NC, silver contacts, - 55°C≤Ta≤+60°C	CZ0201-61SH	CZ								
	board backtype, 2NC, silver contacts, - 55°C≤Ta≤+60°C	CZ0201-71SH	CZ								
	board front type, 2NO, silver contacts, - 55°C≤Ta≤+60°C	CZ0201-62SH	CZ								
	board backtype, 2NO, silver contacts, - 55°C≤Ta≤+60°C	CZ0201-72SH	CZ								
	board front type, 2NO/2NC,silver contacts, - 55°C≤Ta≤+60°C	CZ0201-B650SH	CZ								
	board backtype, 2NO/2NC, silver contacts,- 55°C≤Ta≤+60°C	CZ0201-B750SH	CZ								
	board front type, 4NC, silver contacts,- 55°C≤Ta≤+60°C	CZ0201-B651SH	CZ								
	board back type, 4NC, silver contacts,- 55°C≤Ta≤+60°C	CZ0201-B751SH	CZ								
	board front type, 4NO, silver contacts,- 55°C≤Ta≤+60°C	CZ0201-B652SH	CZ								
	board backtype, 4NO, silver contacts,- 55°C≤Ta≤+60°C	CZ0201-B752SH	CZ								
	board front type, 1NC/3NO, silver contacts,- 55°C≤Ta≤+60°C	CZ0201-B653SH	CZ								

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board backtype, 1NC/3NO, silver contacts,- 55°C≤Ta≤+60°C	CZ0201-B753SH	CZ	
board front type, 3NC/1NO, silver contacts,- 55°C≤Ta≤+60°C	CZ0201-B654SH	CZ	
board backtype, 3NC/1NO, silver contacts,- 55°C≤Ta≤+60°C	CZ0201-B754SH	CZ	
board front type, 1NO/NC, gold contacts, - 55°C≤Ta≤+60°C	CZ0201-60GH	CZ	
board backtype, 1NO/NC, gold contacts, - 55°C≤Ta≤+60°C	CZ0201-70GH	CZ	
board front type, 2NC, gold contacts, - 55°C≤Ta≤+60°C	CZ0201-61GH	CZ	
board backtype, 2NC, gold contacts, - 55°C≤Ta≤+60°C	CZ0201-71GH	CZ	
board front type, 2NO, gold contacts, - 55°C≤Ta≤+60°C	CZ0201-62GH	CZ	
board backtype, 2NO, gold contacts, - 55°C≤Ta≤+60°C	CZ0201-72GH	CZ	
board front type, 2NO/2NC,gold contacts, - 55°C≤Ta≤+60°C	CZ0201-B650GH	CZ	
board backtype, 2NO/2NC, gold contacts,- 55°C≤Ta≤+60°C	CZ0201-B750GH	CZ	
board front type, 4NC, gold contacts,- 55°C≤Ta≤+60°C	CZ0201-B651GH	CZ	
board back type, 4NC, gold contacts,- 55°C≤Ta≤+60°C	CZ0201-B751GH	CZ	
board front type, 4NO, gold contacts,- 55°C≤Ta≤+60°C	CZ0201-B652GH	CZ	

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	board front type, 1NC/3NO, gold contacts,- 55°C≤Ta≤+60°C	CZ0201-B653GH	CZ								
	board backtype, 1NC/3NO, gold contacts,- 55°C≤Ta≤+60°C	CZ0201-B753GH	CZ								
	board front type, 3NC/1NO, gold contacts,- 55°C≤Ta≤+60°C	CZ0201-B654GH	CZ								
	board backtype, 3NC/1NO, gold contacts,- 55°C≤Ta≤+60°C	CZ0201-B754GH	CZ								
4-pole switch											
	board front type, silver contacts, - 40°C≤Ta≤+60°C	CZ0201-H601SL	CZ		II 2G Ex db eb IIC Gb	Presafe 16 ATEX 9096U_0	EN 60079-0:2012+A11:2013 EN 60079-7:2015 EN 60079-1:2014	IECEx CQM 08.0005U_3	IEC60079-0:2011 IEC60079-7:2015 IEC60079-1:2014	No applicable major technical differences between 60079-0:2017 and 60079-0:2011. Components certified to current edition of standards. AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018	-40°C to +90°C
	board front type, silver contacts, - 40°C≤Ta≤+60°C	CZ0201-H602SL	CZ								
	board front type, silver contacts, - 40°C≤Ta≤+60°C	CZ0201-H603SL	CZ								
	board front type, silver contacts, - 40°C≤Ta≤+60°C	CZ0201-H604SL	CZ								
	board front type, silver contacts, - 40°C≤Ta≤+60°C	CZ0201-H605SL	CZ								
	board front type, silver contacts, - 40°C≤Ta≤+60°C	CZ0201-H606SL	CZ								
	board front type, silver contacts, - 40°C≤Ta≤+60°C	CZ0201-H607SL	CZ								
	board front type, silver contacts, - 40°C≤Ta≤+60°C	CZ0201-H608SL	CZ								
	board front type, silver contacts, - 40°C≤Ta≤+60°C	CZ0201-H609SL	CZ								
	board front type, silver contacts, - 40°C≤Ta≤+60°C	CZ0201-H610SL	CZ								

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board front type, silver contacts, -40°C≤Ta≤+60°C	CZ0201-H611SL	CZ
board front type, silver contacts, -40°C≤Ta≤+60°C	CZ0201-H612SL	CZ
board front type, silver contacts, -40°C≤Ta≤+60°C	CZ0201-H613SL	CZ
board front type, silver contacts, -40°C≤Ta≤+60°C	CZ0201-H614SL	CZ
board front type, silver contacts, -40°C≤Ta≤+60°C	CZ0201-H618SL	CZ
board front type, silver contacts, -40°C≤Ta≤+60°C	CZ0201-H626SL	CZ
board front type, silver contacts, -40°C≤Ta≤+60°C	CZ0201-H631SL	CZ
board front type, silver contacts, -40°C≤Ta≤+60°C	CZ0201-H637SL	CZ
board front type, silver contacts, -40°C≤Ta≤+60°C	CZ0201-H650SL	CZ
board front type, silver contacts, -40°C≤Ta≤+60°C	CZ0201-H646SL	CZ
board front type, silver contacts, -40°C≤Ta≤+60°C	CZ0201-H656SL	CZ
board front type, silver contacts, -40°C≤Ta≤+60°C	CZ0201-H659SL	CZ
board front type, silver contacts, -40°C≤Ta≤+60°C	CZ0201-H660SL	CZ
board front type, silver contacts, -40°C≤Ta≤+60°C	CZ0201-H668SL	CZ
board front type, silver contacts, -40°C≤Ta≤+60°C	CZ0201-H674SL	CZ
board front type, silver contacts, -40°C≤Ta≤+60°C	CZ0201-H697SL	CZ

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board front type, silver contacts, -40°C≤Ta≤+60°C	CZ0201-H698SL	CZ
board front type, silver contacts, -40°C≤Ta≤+60°C	CZ0201-H699SL	CZ
board front type, gold contacts, -40°C≤Ta≤+60°C	CZ0201-H601GL	CZ
board front type, gold contacts, -40°C≤Ta≤+60°C	CZ0201-H602GL	CZ
board front type, gold contacts, -40°C≤Ta≤+60°C	CZ0201-H603GL	CZ
board front type, gold contacts, -40°C≤Ta≤+60°C	CZ0201-H604GL	CZ
board front type, gold contacts, -40°C≤Ta≤+60°C	CZ0201-H605GL	CZ
board front type, gold contacts, -40°C≤Ta≤+60°C	CZ0201-H606GL	CZ
board front type, gold contacts, -40°C≤Ta≤+60°C	CZ0201-H607GL	CZ
board front type, gold contacts, -40°C≤Ta≤+60°C	CZ0201-H608GL	CZ
board front type, gold contacts, -40°C≤Ta≤+60°C	CZ0201-H609GL	CZ
board front type, gold contacts, -40°C≤Ta≤+60°C	CZ0201-H610GL	CZ
board front type, gold contacts, -40°C≤Ta≤+60°C	CZ0201-H611GL	CZ
board front type, gold contacts, -40°C≤Ta≤+60°C	CZ0201-H612GL	CZ
board front type, gold contacts, -40°C≤Ta≤+60°C	CZ0201-H613GL	CZ
board front type, gold contacts, -40°C≤Ta≤+60°C	CZ0201-H614GL	CZ

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	board front type, gold contacts, -40°C≤Ta≤+60°C	**CZ0201-H618GL**	**CZ**								
	board front type, gold contacts, -40°C≤Ta≤+60°C	**CZ0201-H626GL**	**CZ**								
	board front type, gold contacts, -40°C≤Ta≤+60°C	**CZ0201-H631GL**	**CZ**								
	board front type, gold contacts, -40°C≤Ta≤+60°C	**CZ0201-H637GL**	**CZ**								
	board front type, gold contacts, -40°C≤Ta≤+60°C	**CZ0201-H650GL**	**CZ**								
	board front type, gold contacts, -40°C≤Ta≤+60°C	**CZ0201-H646GL**	**CZ**								
	board front type, gold contacts, -40°C≤Ta≤+60°C	**CZ0201-H656GL**	**CZ**								
	board front type, gold contacts, -40°C≤Ta≤+60°C	**CZ0201-H659GL**	**CZ**								
	board front type, gold contacts, -40°C≤Ta≤+60°C	**CZ0201-H660GL**	**CZ**								
	board front type, gold contacts, -40°C≤Ta≤+60°C	**CZ0201-H668GL**	**CZ**								
	board front type, gold contacts, -40°C≤Ta≤+60°C	**CZ0201-H674GL**	**CZ**								
	board front type, gold contacts, -40°C≤Ta≤+60°C	**CZ0201-H697GL**	**CZ**								
	board front type, gold contacts, -40°C≤Ta≤+60°C	**CZ0201-H698GL**	**CZ**								
	board front type, gold contacts, -40°C≤Ta≤+60°C	**CZ0201-H699GL**	**CZ**								
	board front type, silver contacts, -55°C≤Ta≤+60°C	**CZ0201-H601SH**	**CZ**		II 2G Ex db eb IIC Gb	Presafe 16 ATEX 9096U_0	EN 60079-0:2012+A11:2013 EN 60079-7:2015 EN 60079-1:2014	IECEx CQM 08.0005U_3	IEC60079-0:2011 IEC60079-7:2015 IEC60079-1:2014	No applicable major technical differences between 60079-0:2017 and 60079-0:2011. Components certified to current edition of standards. AoC updated to the new standard :	-55°C to +90°C
	board front type, silver contacts, -55°C≤Ta≤+60°C	**CZ0201-H602SH**	**CZ**								

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board front type, silver contacts, -55°C≤Ta≤+60°C	CZ0201-H603SH	CZ						EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018
board front type, silver contacts, -55°C≤Ta≤+60°C	CZ0201-H604SH	CZ						
board front type, silver contacts, -55°C≤Ta≤+60°C	CZ0201-H605SH	CZ						
board front type, silver contacts, -55°C≤Ta≤+60°C	CZ0201-H606SH	CZ						
board front type, silver contacts, -55°C≤Ta≤+60°C	CZ0201-H607SH	CZ						
board front type, silver contacts, -55°C≤Ta≤+60°C	CZ0201-H608SH	CZ						
board front type, silver contacts, -55°C≤Ta≤+60°C	CZ0201-H609SH	CZ						
board front type, silver contacts, -55°C≤Ta≤+60°C	CZ0201-H610SH	CZ						
board front type, silver contacts, -55°C≤Ta≤+60°C	CZ0201-H611SH	CZ						
board front type, silver contacts, -55°C≤Ta≤+60°C	CZ0201-H612SH	CZ						
board front type, silver contacts, -55°C≤Ta≤+60°C	CZ0201-H613SH	CZ						
board front type, silver contacts, -55°C≤Ta≤+60°C	CZ0201-H614SH	CZ						
board front type, silver contacts, -55°C≤Ta≤+60°C	CZ0201-H618SH	CZ						
board front type, silver contacts, -55°C≤Ta≤+60°C	CZ0201-H626SH	CZ						
board front type, silver contacts, -55°C≤Ta≤+60°C	CZ0201-H631SH	CZ						
board front type, silver contacts, -55°C≤Ta≤+60°C	CZ0201-H637SH	CZ						

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board front type, silver contacts, -55°C≤Ta≤+60°C	CZ0201-H650SH	CZ	
board front type, silver contacts, -55°C≤Ta≤+60°C	CZ0201-H646SH	CZ	
board front type, silver contacts, -55°C≤Ta≤+60°C	CZ0201-H656SH	CZ	
board front type, silver contacts, -55°C≤Ta≤+60°C	CZ0201-H659SH	CZ	
board front type, silver contacts, -55°C≤Ta≤+60°C	CZ0201-H660SH	CZ	
board front type, silver contacts, -55°C≤Ta≤+60°C	CZ0201-H668SH	CZ	
board front type, silver contacts, -55°C≤Ta≤+60°C	CZ0201-H674SH	CZ	
board front type, silver contacts, -55°C≤Ta≤+60°C	CZ0201-H697SH	CZ	
board front type, silver contacts, -55°C≤Ta≤+60°C	CZ0201-H698SH	CZ	
board front type, silver contacts, -55°C≤Ta≤+60°C	CZ0201-H699SH	CZ	
board front type, gold contacts, -55°C≤Ta≤+60°C	CZ0201-H601GH	CZ	
board front type, gold contacts, -55°C≤Ta≤+60°C	CZ0201-H602GH	CZ	
board front type, gold contacts, -55°C≤Ta≤+60°C	CZ0201-H603GH	CZ	
board front type, gold contacts, -55°C≤Ta≤+60°C	CZ0201-H604GH	CZ	
board front type, gold contacts, -55°C≤Ta≤+60°C	CZ0201-H605GH	CZ	
board front type, gold contacts, -55°C≤Ta≤+60°C	CZ0201-H606GH	CZ	

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board front type, gold contacts, -55°C≤Ta≤+60°C	CZ0201-H607GH	CZ	
board front type, gold contacts, -55°C≤Ta≤+60°C	CZ0201-H608GH	CZ	
board front type, gold contacts, -55°C≤Ta≤+60°C	CZ0201-H609GH	CZ	
board front type, gold contacts, -55°C≤Ta≤+60°C	CZ0201-H610GH	CZ	
board front type, gold contacts, -55°C≤Ta≤+60°C	CZ0201-H611GH	CZ	
board front type, gold contacts, -55°C≤Ta≤+60°C	CZ0201-H612GH	CZ	
board front type, gold contacts, -55°C≤Ta≤+60°C	CZ0201-H613GH	CZ	
board front type, gold contacts, -55°C≤Ta≤+60°C	CZ0201-H614GH	CZ	
board front type, gold contacts, -55°C≤Ta≤+60°C	CZ0201-H618GH	CZ	
board front type, gold contacts, -55°C≤Ta≤+60°C	CZ0201-H626GH	CZ	
board front type, gold contacts, -55°C≤Ta≤+60°C	CZ0201-H631GH	CZ	
board front type, gold contacts, -55°C≤Ta≤+60°C	CZ0201-H637GH	CZ	
board front type, gold contacts, -55°C≤Ta≤+60°C	CZ0201-H650GH	CZ	
board front type, gold contacts, -55°C≤Ta≤+60°C	CZ0201-H646GH	CZ	
board front type, gold contacts, -55°C≤Ta≤+60°C	CZ0201-H656GH	CZ	
board front type, gold contacts, -55°C≤Ta≤+60°C	CZ0201-H659GH	CZ	

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	board front type, gold contacts, -55°C≤Ta≤+60°C	CZ0201-H660GH	CZ								
	board front type, gold contacts, -55°C≤Ta≤+60°C	CZ0201-H668GH	CZ								
	board front type, gold contacts, -55°C≤Ta≤+60°C	CZ0201-H674GH	CZ								
	board front type, gold contacts, -55°C≤Ta≤+60°C	CZ0201-H697GH	CZ								
	board front type, gold contacts, -55°C≤Ta≤+60°C	CZ0201-H698GH	CZ								
	board front type, gold contacts, -55°C≤Ta≤+60°C	CZ0201-H699GH	CZ								
	mounting bracket for board back type	4011	CZ								
With open/short circuit protection	1NO/1NC, -40°C≤Ta≤+90°C	CZ0201-C60GL21	CZ		II 2G Ex db eb IIC Gb	Presafe 16 ATEX 9096U_0	EN 60079-0:2012+A11:2013 EN 60079-7:2015 EN 60079-1:2014	IECEx CQM 08.0005U_3	IEC60079-0:2011 IEC60079-7:2015 IEC60079-1:2014	No applicable major technical differences between 60079-0:2017 and 60079-0:2011. Components certified to current edition of standards. AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018	-40°C to +90°C
	1NO/1NC, -40°C≤Ta≤+90°C	CZ0201-C60GL22	CZ								
	1NO/1NC, -40°C≤Ta≤+90°C	CZ0201-C60GL23	CZ								
	2NC, -40°C≤Ta≤+90°C	CZ0201-C61GL21	CZ								
	2NC, -40°C≤Ta≤+90°C	CZ0201-C61GL22	CZ								
	2NO, -40°C≤Ta≤+90°C	CZ0201-C61GL21	CZ								
	1NO/1NC, -55°C≤Ta≤+90°C	CZ0201-C60GH21	CZ								-55°C to +90°C
	1NO/1NC, -55°C≤Ta≤+90°C	CZ0201-C60GH22	CZ								
	1NO/1NC, -55°C≤Ta≤+90°C	CZ0201-C60GH23	CZ								
	2NC, -55°C≤Ta≤+90°C	CZ0201-C61GH21	CZ								
	2NC, -55°C≤Ta≤+90°C	CZ0201-C61GH22	CZ								
CZ0202 Series operation head	signal lamp, red	CZ4000-LR	CZ		II 2GD Ex eb IIC Gb	CML 19ATEX 3180U_0	EN 60079-0:2018 EN 60079-7:2015+A1:2018 EN 60079-31:2014	IECEx CQM 15.0035U_1	IEC60079-0:2011 IEC60079-31:2013	No applicable major technical differences between 60079-0:2017 and 60079-0:2011. Components certified to current edition of standards.	-55°C to +65°C
	signal lamp, green	CZ4000-LG	CZ								

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	signal lamp, yellow	**CZ4000-LY**	**CZ**		Ex tb IIIC Db				IEC60079-7:2015		
	signal lamp, blue	**CZ4000-LB**	**CZ**								
	signal lamp, white	**CZ4000-LW**	**CZ**								
CZ0202 Series signal lamp module	**board front type, white, 10-28VAC/DC, Ex ia IIC Ga,- 55°C≤Ta≤+55°C**	**CZ0202-600H**	**CZ**		II 1G Ex ia IIC Ga	Presafe 16 ATEX 8565U_0	EN 60079-0:2012+A11:2013 EN 60079-1:2014 EN 60079-11:2012 EN 60079-26:2015 EN 60079-7:2015	IECEx CQM 08.0006U_3	IEC 60079-0:2011 IEC 60079-1:2014 IEC 60079-11:2011 IEC 60079-26:2014 IEC 60079-7:2015	No applicable major technical differences between 60079-0:2017 and 60079-0:2011. Components certified to current edition of standards. AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018	-55°C to +90°C
	board back type, white, 10-28VAC/DC, Ex ia IIC Ga, - 55°C≤Ta≤+55°C	**CZ0202-700H**	**CZ**								
	board front type, white, 20-250VAC/DC, -40°C≤Ta≤+60°C	**CZ0202-601L**	**CZ**		II 2G Ex db eb IIC Gb						-40°C to +90°C
	board back type, white, 20-250VAC/DC, -40°C≤Ta≤+60°C	**CZ0202-701L**	**CZ**								
	board front type, white, 380-400VAC/DC, 40°C≤Ta≤+50°C	**CZ0202-602L**	**CZ**								
	board back type, white, 380-400VAC/DC, 40°C≤Ta≤+50°C	**CZ0202-702L**	**CZ**								
	board front type, white, 10-28VAC/DC, -40°C≤Ta≤+60°C	**CZ0202-603L**	**CZ**								
	board back type, white, 10-28VAC/DC, -40°C≤Ta≤+60°C	**CZ0202-703L**	**CZ**								
	board front type, white, 50-277VAC/DC, -40°C≤Ta≤+60°C	**CZ0202-604L**	**CZ**								
	board back type, white, 50-277VAC/DC, -40°C≤Ta≤+60°C	**CZ0202-704L**	**CZ**								
	board front type, white, 20-250VAC/DC, -55°C≤Ta≤+60°C	**CZ0202-601H**	**CZ**								-55°C to +90°C
	board back type, white, 20-250VAC/DC, -55°C≤Ta≤+60°C	**CZ0202-701H**	**CZ**								
	board front type, white, 380-	**CZ0202-602H**	**CZ**								

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	400VAC/DC, -55°C≤Ta≤+50°C										
	board back type, white, 380-400VAC/DC, -55°C≤Ta≤+50°C	CZ0202-702H	CZ								
	board front type, white, 10-28VAC/DC, -55°C≤Ta≤+60°C	CZ0202-603H	CZ								
	board back type, white, 10-28VAC/DC, -55°C≤Ta≤+60°C	CZ0202-703H	CZ								
	board front type, white, 50-277VAC/DC, -55°C≤Ta≤+60°C	CZ0202-604H	CZ								
	board back type, white, 50-277VAC/DC, -55°C≤Ta≤+60°C	CZ0202-704H	CZ								
CZ0203 Series operation head	potentiometer setting, forward LEFT	CZ4000-DW1	CZ		II 2GD Ex eb IIC Gb Ex tb IIIC Db	CML 19ATEX 3180U_0	EN 60079-0:2018 EN 60079-7:2015+A1:2018 EN 60079-31:2014	IECEx CQM 15.0035U_1	IEC60079-0:2011 IEC60079-31:2013 IEC60079-7:2015	No applicable major technical differences between 60079-0:2017 and 60079-0:2011. Components certified to current edition of standards.	-55°C to +65°C
	potentiometer setting, forward TOP	CZ4000-DW2	CZ								
CZ0203 Series potentiometer module	board front type, 100 Ω, 0.1W, -40°C≤Ta≤+60°C	CZ0203-A601/1L	CZ		II 2G Ex db eb IIC Gb	Presafe 16 ATEX9214U_0	EN 60079-0:2012+A11:2013 EN 60079-7:2015 EN 60079-1:2014	IECEx CQM 11.0033U_1	IEC 60079-0:2011 IEC 60079-1:2014 IEC 60079-7:22015	No applicable major technical differences between 60079-0:2017 and 60079-0:2011. Components certified to current edition of standards. AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018	-40°C to +90°C
	board back type, 100 Ω, 0.1W, -40°C≤Ta≤+60°C	CZ0203-A701/1L	CZ								
	board front type, 200 Ω, 0.1W, -40°C≤Ta≤+60°C	CZ0203-A602/1L	CZ								
	board back type, 200 Ω, 0.1W, -40°C≤Ta≤+60°C	CZ0203-A702/1L	CZ								
	board front type, 500 Ω, 0.1W, -40°C≤Ta≤+60°C	CZ0203-A603/1L	CZ								
	board back type, 500 Ω, 0.1W, -40°C≤Ta≤+60°C	CZ0203-A703/1L	CZ								
	board front type, 1000 Ω, 0.1W, -40°C≤Ta≤+60°C	CZ0203-A604/1L	CZ								
	board back type, 1000 Ω, 0.1W, -40°C≤Ta≤+60°C	CZ0203-A704/1L	CZ								

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board front type, 2000 Ω, 0.1W, -40°C≤Ta≤+60°C	CZ0203-A605/1L	CZ	
board back type, 2000 Ω, 0.1W, -40°C≤Ta≤+60°C	CZ0203-A705/1L	CZ	
board front type, 5000 Ω, 0.1W, -40°C≤Ta≤+60°C	CZ0203-A606/1L	CZ	
board back type, 5000 Ω, 0.1W, -40°C≤Ta≤+60°C	CZ0203-A706/1L	CZ	
board front type, 10000 Ω, 0.1W, -40°C≤Ta≤+60°C	CZ0203-A607/1L	CZ	
board back type, 10000 Ω, 0.1W, -40°C≤Ta≤+60°C	CZ0203-A707/1L	CZ	
board front type, 20000 Ω, 0.1W, -40°C≤Ta≤+60°C	CZ0203-A608/1L	CZ	
board back type, 20000 Ω, 0.1W, -40°C≤Ta≤+60°C	CZ0203-A708/1L	CZ	
board front type, 50000 Ω, 0.1W, -40°C≤Ta≤+60°C	CZ0203-A609/1L	CZ	
board back type, 50000 Ω, 0.1W, -40°C≤Ta≤+60°C	CZ0203-A709/1L	CZ	
board front type, 100000 Ω, 0.1W, -40°C≤Ta≤+60°C	CZ0203-A610/1L	CZ	
board back type, 100000 Ω, 0.1W, -40°C≤Ta≤+60°C	CZ0203-A710/1L	CZ	
board front type, 200000 Ω, 0.1W, -40°C≤Ta≤+60°C	CZ0203-A611/1L	CZ	
board back type, 200000 Ω, 0.1W, -40°C≤Ta≤+60°C	CZ0203-A711/1L	CZ	
board front type, 500000 Ω, 0.1W, -40°C≤Ta≤+60°C	CZ0203-A612/1L	CZ	

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	board back type, 500000 Ω, 0.1W, -40°C≤Ta≤+60°C	CZ0203-A712/1L	CZ								
	board front type, 1,000,000 Ω, 0.1W, -40°C≤Ta≤+60°C	CZ0203-A613/1L	CZ								
	board back type, 1,000,000 Ω, 0.1W, -40°C≤Ta≤+60°C	CZ0203-A713/1L	CZ								
	board front type, 2,000,000 Ω, 0.1W, -40°C≤Ta≤+60°C	CZ0203-A614/1L	CZ								
	board back type, 2,000,000 Ω, 0.1W, -40°C≤Ta≤+60°C	CZ0203-A714/1L	CZ								
	board front type, 100Ω, 0.1W, -55°C≤Ta≤+60°C	CZ0203-A601/1H	CZ								
	board back type, 100Ω, 0.1W, -55°C≤Ta≤+60°C	CZ0203-A701/1H	CZ								
	board front type, 200Ω, 0.1W, -55°C≤Ta≤+60°C	CZ0203-A602/1H	CZ								
	board back type, 200Ω, 0.1W, -55°C≤Ta≤+60°C	CZ0203-A702/1H	CZ								
	board front type, 500Ω, 0.1W, -55°C≤Ta≤+60°C	CZ0203-A603/1H	CZ								
	board back type, 500Ω, 0.1W, -55°C≤Ta≤+60°C	CZ0203-A703/1H	CZ								
	board front type, 1000Ω, 0.1W, -55°C≤Ta≤+60°C	CZ0203-A604/1H	CZ								
	board back type, 1000Ω, 0.1W, -55°C≤Ta≤+60°C	CZ0203-A704/1H	CZ								
	board front type, 2000Ω, 0.1W, -55°C≤Ta≤+60°C	CZ0203-A605/1H	CZ								
	board back type, 2000Ω, 0.1W, -55°C≤Ta≤+60°C	CZ0203-A705/1H	CZ								
	board front type, 5000Ω, 0.1W, -55°C≤Ta≤+60°C	CZ0203-A606/1H	CZ								
					II2G Ex db eb IIC Gb	Presafe 16 ATEX9214U_0	EN 60079-0:2012+A11:2013 EN 60079-7:2015 EN 60079-1:2014	IECEx CQM 11.0033U_1	IEC 60079-0:2011 IEC 60079-1:2014 IEC 60079-7:22015	No applicable major technical differences between 60079-0:2017 and 60079-0:2011. Components certified to current edition of standards. AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018	-55°C to +90°C

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board back type, 5000Ω, 0.1W, -55°C≤Ta≤+60°C	CZ0203-A706/1H	CZ	
board front type, 10000Ω, 0.1W, -55°C≤Ta≤+60°C	CZ0203-A607/1H	CZ	
board back type, 10000Ω, 0.1W, -55°C≤Ta≤+60°C	CZ0203-A707/1H	CZ	
board front type, 20000Ω, 0.1W, -55°C≤Ta≤+60°C	CZ0203-A608/1H	CZ	
board back type, 20000Ω, 0.1W, -55°C≤Ta≤+60°C	CZ0203-A708/1H	CZ	
board front type, 50000Ω, 0.1W, -55°C≤Ta≤+60°C	CZ0203-A609/1H	CZ	
board back type, 50000Ω, 0.1W, -55°C≤Ta≤+60°C	CZ0203-A709/1H	CZ	
board front type, 100000Ω, 0.1W, -55°C≤Ta≤+60°C	CZ0203-A610/1H	CZ	
board back type, 100000Ω, 0.1W, -55°C≤Ta≤+60°C	CZ0203-A710/1H	CZ	
board front type, 200000Ω, 0.1W, -55°C≤Ta≤+60°C	CZ0203-A611/1H	CZ	
board back type, 200000Ω, 0.1W, -55°C≤Ta≤+60°C	CZ0203-A711/1H	CZ	
board front type, 500000Ω, 0.1W, -55°C≤Ta≤+60°C	CZ0203-A612/1H	CZ	
board back type, 500000Ω, 0.1W, -55°C≤Ta≤+60°C	CZ0203-A712/1H	CZ	
board front type, 1,000,000Ω, 0.1W, -55°C≤Ta≤+60°C	CZ0203-A613/1H	CZ	
board back type, 1,000,000Ω, 0.1W, -55°C≤Ta≤+60°C	CZ0203-A713/1H	CZ	
board front type, 2,000,000Ω, 0.1W, -55°C≤Ta≤+60°C	CZ0203-A614/1H	CZ	

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	board back type, 2,000,000Ω, 0.1W, -55°C≤Ta≤+60°C	CZ0203-A714/1H	CZ								
Ex diode module	board front type, 5VDC, -40°C≤Ta≤+60°C	CZ0203-B601/1L	CZ		II 2G Ex db eb IIC Gb	Presafe 16 ATEX9214U_0	EN 60079-0:2012+A11:2013 EN 60079-7:2015 EN 60079-1:2014	IECEx CQM 11.0033U_1	IEC 60079-0:2011 IEC 60079-1:2014 IEC 60079-7:22015	No applicable major technical differences between 60079-0:2017 and 60079-0:2011. Components certified to current edition of standards. AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018	-40°C to +90°C
	board front type, 6VDC, -40°C≤Ta≤+60°C	CZ0203-B602/1L	CZ								
	board front type, 9VDC, -40°C≤Ta≤+60°C	CZ0203-B603/1L	CZ								
	board front type, 12VDC, -40°C≤Ta≤+60°C	CZ0203-B604/1L	CZ								
	board front type, 18VDC, -40°C≤Ta≤+60°C	CZ0203-B605/1L	CZ								
	board front type, 24VDC, -40°C≤Ta≤+60°C	CZ0203-B606/1L	CZ								
	board front type, 5VDC, -55°C≤Ta≤+60°C	CZ0203-B601/1H	CZ		II 2G Ex db eb IIC Gb	Presafe 16 ATEX9214U_0	EN 60079-0:2012+A11:2013 EN 60079-7:2015 EN 60079-1:2014	IECEx CQM 11.0033U_1	IEC 60079-0:2011 IEC 60079-1:2014 IEC 60079-7:22015	No applicable major technical differences between 60079-0:2017 and 60079-0:2011. Components certified to current edition of standards. AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018	-55°C to +90°C
	board front type, 6VDC, -55°C≤Ta≤+60°C	CZ0203-B602/1H	CZ								
	board front type, 9VDC, -55°C≤Ta≤+60°C	CZ0203-B603/1H	CZ								
	board front type, 12VDC, -55°C≤Ta≤+60°C	CZ0203-B604/1H	CZ								
	board front type, 18VDC, -55°C≤Ta≤+60°C	CZ0203-B605/1H	CZ								
	board front type, 24VDC, -55°C≤Ta≤+60°C	CZ0203-B606/1H	CZ								
	board front type, 250V, -40°C≤Ta≤+60°C	CZ0203-C601/2L	CZ								-40°C to +90°C
	board front type, 250V, -40°C≤Ta≤+60°C	CZ0203-C601/3L	CZ								
	board front type, 250V, -55°C≤Ta≤+60°C	CZ0203-C601/2H	CZ								-55°C to +90°C

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board front type, 250V, -55°C≤Ta≤+60°C	**CZ0203-C601/3H**	**CZ**								
board front type, 5.1V, -40°C≤Ta≤+60°C	**CZ0203-D601/2L**	**CZ**		II 2G Ex db eb IIC Gb	Presafe 16 ATEX9214U_0	EN 60079-0:2012+A11:2013 EN 60079-7:2015 EN 60079-1:2014	IECEx CQM 11.0033U_1	IEC 60079-0:2011 IEC 60079-1:2014 IEC 60079-7:22015	No applicable major technical differences between 60079-0:2017 and 60079-0:2011. Components certified to current edition of standards. AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018	-40°C to +90°C
board front type, 5.6V, -40°C≤Ta≤+60°C	**CZ0203-D602/2L**	**CZ**								
board front type, 6V, -40°C≤Ta≤+60°C	**CZ0203-D603/2L**	**CZ**								
board front type, 6.2V, -40°C≤Ta≤+60°C	**CZ0203-D604/2L**	**CZ**								
board front type, 6.8V, -40°C≤Ta≤+60°C	**CZ0203-D605/2L**	**CZ**								
board front type, 7.5V, -40°C≤Ta≤+60°C	**CZ0203-D606/2L**	**CZ**								
board front type, 8.2V, -40°C≤Ta≤+60°C	**CZ0203-D607/2L**	**CZ**								
board front type, 8.7V, -40°C≤Ta≤+60°C	**CZ0203-D608/2L**	**CZ**								
board front type, 9.1V, -40°C≤Ta≤+60°C	**CZ0203-D609/2L**	**CZ**								
board front type, 10V, -40°C≤Ta≤+60°C	**CZ0203-D610/2L**	**CZ**								
board front type, 11V, -40°C≤Ta≤+60°C	**CZ0203-D611/2L**	**CZ**								
board front type, 12V, -40°C≤Ta≤+60°C	**CZ0203-D612/2L**	**CZ**								
board front type, 13V, -40°C≤Ta≤+60°C	**CZ0203-D613/2L**	**CZ**								
board front type, 14V, -40°C≤Ta≤+60°C	**CZ0203-D614/2L**	**CZ**								
board front type, 15V, -40°C≤Ta≤+60°C	**CZ0203-D615/2L**	**CZ**								
board front type, 16V, -40°C≤Ta≤+60°C	**CZ0203-D616/2L**	**CZ**								
board front type, 17V, -40°C≤Ta≤+60°C	**CZ0203-D617/2L**	**CZ**								
board front type, 18V, -40°C≤Ta≤+60°C	**CZ0203-D618/2L**	**CZ**								
board front type, 19V, -40°C≤Ta≤+60°C	**CZ0203-D619/2L**	**CZ**								
board front type, 20V, -40°C≤Ta≤+60°C	**CZ0203-D620/2L**	**CZ**								
board front type, 22V, -40°C≤Ta≤+60°C	**CZ0203-D621/2L**	**CZ**								
board front type, 24V, -40°C≤Ta≤+60°C	**CZ0203-D622/2L**	**CZ**								

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	board front type, 25V, -40°C≤Ta≤+60°C	CZ0203-D623/2L	CZ							
	board front type, 27V, -40°C≤Ta≤+60°C	CZ0203-D624/2L	CZ							
	board front type, 28V, -40°C≤Ta≤+60°C	CZ0203-D625/2L	CZ							
	board front type, 30V, -40°C≤Ta≤+60°C	CZ0203-D626/2L	CZ							
	board front type, 33V, -40°C≤Ta≤+60°C	CZ0203-D627/2L	CZ							
	board front type, 36V, -40°C≤Ta≤+60°C	CZ0203-D628/2L	CZ							
	board front type, 39V, -40°C≤Ta≤+60°C	CZ0203-D629/2L	CZ							
	board front type, 43V, -40°C≤Ta≤+60°C	CZ0203-D630/2L	CZ							
	board front type, 47V, -40°C≤Ta≤+60°C	CZ0203-D631/2L	CZ							
	board front type, 51V, -40°C≤Ta≤+60°C	CZ0203-D632/2L	CZ							
	board front type, 5.1V, -55°C≤Ta≤+60°C	CZ0203-D601/2H	CZ		II 2G Ex db eb IIC Gb	Presafe 16 ATEX9214U_0	EN 60079-0:2012+A11:2013 EN 60079-7:2015 EN 60079-1:2014	IECEx CQM 11.0033U_1	IEC 60079-0:2011 IEC 60079-1:2014 IEC 60079-7:22015	No applicable major technical differences between 60079-0:2017 and 60079-0:2011. Components certified to current edition of standards. AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018	-55°C to +90°C
	board front type, 5.6V, -55°C≤Ta≤+60°C	CZ0203-D602/2H	CZ							
	board front type, 6V, -55°C≤Ta≤+60°C	CZ0203-D603/2H	CZ							
	board front type, 6.2V, -55°C≤Ta≤+60°C	CZ0203-D604/2H	CZ							
	board front type, 6.8V, -55°C≤Ta≤+60°C	CZ0203-D605/2H	CZ							
	board front type, 7.5V, -55°C≤Ta≤+60°C	CZ0203-D606/2H	CZ							
	board front type, 8.2V, -55°C≤Ta≤+60°C	CZ0203-D607/2H	CZ							
	board front type, 8.7V, -55°C≤Ta≤+60°C	CZ0203-D608/2H	CZ							
	board front type, 9.1V, -55°C≤Ta≤+60°C	CZ0203-D609/2H	CZ							
	board front type, 10V, -55°C≤Ta≤+60°C	CZ0203-D610/2H	CZ							
	board front type, 11V, -55°C≤Ta≤+60°C	CZ0203-D611/2H	CZ							
	board front type, 12V, -55°C≤Ta≤+60°C	CZ0203-D612/2H	CZ							
	board front type, 13V, -55°C≤Ta≤+60°C	CZ0203-D613/2H	CZ							
	board front type, 14V, -55°C≤Ta≤+60°C	CZ0203-D614/2H	CZ							

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	board front type, 15V, -55°C≤Ta≤+60°C	**CZ0203-D615/2H**	**CZ**								
	board front type, 16V, -55°C≤Ta≤+60°C	**CZ0203-D616/2H**	**CZ**								
	board front type, 17V, -55°C≤Ta≤+60°C	**CZ0203-D617/2H**	**CZ**								
	board front type, 18V, -55°C≤Ta≤+60°C	**CZ0203-D618/2H**	**CZ**								
	board front type, 19V, -55°C≤Ta≤+60°C	**CZ0203-D619/2H**	**CZ**								
	board front type, 20V, -55°C≤Ta≤+60°C	**CZ0203-D620/2H**	**CZ**								
	board front type, 22V, -55°C≤Ta≤+60°C	**CZ0203-D621/2H**	**CZ**								
	board front type, 24V, -55°C≤Ta≤+60°C	**CZ0203-D622/2H**	**CZ**								
	board front type, 25V, -55°C≤Ta≤+60°C	**CZ0203-D623/2H**	**CZ**								
	board front type, 27V, -55°C≤Ta≤+60°C	**CZ0203-D624/2H**	**CZ**								
	board front type, 28V, -55°C≤Ta≤+60°C	**CZ0203-D625/2H**	**CZ**								
	board front type, 30V, -55°C≤Ta≤+60°C	**CZ0203-D626/2H**	**CZ**								
	board front type, 33V, -55°C≤Ta≤+60°C	**CZ0203-D627/2H**	**CZ**								
	board front type, 36V, -55°C≤Ta≤+60°C	**CZ0203-D628/2H**	**CZ**								
	board front type, 39V, -55°C≤Ta≤+60°C	**CZ0203-D629/2H**	**CZ**								
	board front type, 43V, -55°C≤Ta≤+60°C	**CZ0203-D630/2H**	**CZ**								
	board front type, 47V, -55°C≤Ta≤+60°C	**CZ0203-D631/2H**	**CZ**								
	board front type, 51V, -55°C≤Ta≤+60°C	**CZ0203-D632/2H**	**CZ**								
	board front type, 250V, -40°C≤Ta≤+60°C	**CZ0203-E601/2L**	**CZ**								-40°C to +60°C
	board front type, 250V, -55°C≤Ta≤+60°C	**CZ0203-E601/2H**	**CZ**								-55°C to +60°C
Ex fuse module	**board front type, 0.5A, -40°C≤Ta≤+60°C**	**CZ0203-F601/2L**	**CZ**		II 2G Ex db eb IIC Gb	Presafe 16 ATEX9214U_0	EN 60079-0:2012+A11:2013 EN 60079-7:2015 EN 60079-1:2014	IECEx CQM 11.0033U_1	IEC 60079-0:2011 IEC 60079-1:2014 IEC 60079-7:22015	No applicable major technical differences between 60079-0:2017 and 60079-0:2011. Components certified to current edition of standards. AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018	-40°C to +90°C
	board front type, 0.63A, -40°C≤Ta≤+60°C	**CZ0203-F602/2L**	**CZ**								
	board front type, 0.8A, -40°C≤Ta≤+60°C	**CZ0203-F603/2L**	**CZ**								

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board front type, 1A, -40°C≤Ta≤+60°C	CZ0203-F604/2L	CZ								
board front type, 1.25A, -40°C≤Ta≤+60°C	CZ0203-F605/2L	CZ								
board front type, 1.6A, -40°C≤Ta≤+60°C	CZ0203-F606/2L	CZ								
board front type, 2A, -40°C≤Ta≤+60°C	CZ0203-F607/2L	CZ								
board front type, 2.5A, -40°C≤Ta≤+60°C	CZ0203-F608/2L	CZ								
board front type, 3.15A, -40°C≤Ta≤+60°C	CZ0203-F609/2L	CZ								
board front type, 4A, -40°C≤Ta≤+60°C	CZ0203-F610/2L	CZ								
board front type, 5A, -40°C≤Ta≤+60°C	CZ0203-F611/2L	CZ								
board front type, 6.3A, -40°C≤Ta≤+60°C	CZ0203-F612/2L	CZ								
board front type, 8A, -40°C≤Ta≤+60°C	CZ0203-F613/2L	CZ								
board front type, 10A, -40°C≤Ta≤+60°C	CZ0203-F614/2L	CZ								
board front type, 12.5A, -40°C≤Ta≤+60°C	CZ0203-F615/2L	CZ								
board front type, 16A, -40°C≤Ta≤+60°C	CZ0203-F616/2L	CZ								
board front type, 0.5A, -55°C≤Ta≤+60°C	CZ0203-F601/2H	CZ		II 2G Ex db eb IIC Gb	Presafe 16 ATEX9214U_0	EN 60079-0:2012+A11:2013 EN 60079-7:2015 EN 60079-1:2014	IECEx CQM 11.0033U_1	IEC 60079-0:2011 IEC 60079-1:2014 IEC 60079-7:22015	No applicable major technical differences between 60079-0:2017 and 60079-0:2011. Components certified to current edition of standards. AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018	-55°C to +90°C
board front type, 0.63A, -55°C≤Ta≤+60°C	CZ0203-F602/2H	CZ								
board front type, 0.8A, -55°C≤Ta≤+60°C	CZ0203-F603/2H	CZ								
board front type, 1A, -55°C≤Ta≤+60°C	CZ0203-F604/2H	CZ								
board front type, 1.25A, -55°C≤Ta≤+60°C	CZ0203-F605/2H	CZ								
board front type, 1.6A, -55°C≤Ta≤+60°C	CZ0203-F606/2H	CZ								
board front type, 2A, -55°C≤Ta≤+60°C	CZ0203-F607/2H	CZ								
board front type, 2.5A, -55°C≤Ta≤+60°C	CZ0203-F608/2H	CZ								

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	board front type, 3.15A, -55°C≤Ta≤+60°C	CZ0203-F609/2H	CZ								
	board front type, 4A, -55°C≤Ta≤+60°C	CZ0203-F610/2H	CZ								
	board front type, 5A, -55°C≤Ta≤+60°C	CZ0203-F611/2H	CZ								
	board front type, 6.3A, -55°C≤Ta≤+60°C	CZ0203-F612/2H	CZ								
	board front type, 8A, -55°C≤Ta≤+60°C	CZ0203-F613/2H	CZ								
	board front type, 10A, -55°C≤Ta≤+60°C	CZ0203-F614/2H	CZ								
	board front type, 12.5A, -55°C≤Ta≤+60°C	CZ0203-F615/2H	CZ								
	board front type, 0.5A, -40°C≤Ta≤+60°C	CZ0203-G601/2L	CZ								
Ex resistance module	board front type, 0.5A, -55°C≤Ta≤+60°C	CZ0203-G601/2H	CZ								-40°C to +90°C
	board front type, 0.5A, -55°C≤Ta≤+60°C	CZ0203-F601/2H	CZ								-55°C to +90°C
CZ0205 Series module	0-1/2A, direct measuring	CZ0205-A1	CZ		II 2G Ex e IIC Gb	CML 19ATEX 3395U_0	EN 60079-0:2018 EN 60079-7:2015+A1:2018 EN 60079-18:2015+A1:2017	IECEx CQM14.0034U_0	IEC 60079-0:2011 IEC 60079-18:2009 IEC 60079-7:2006-07	Eu AoC pdates to latest edition of teh standards. No applicable major technical differences between 60079-0:2017 and 60079-0:2011. Components certified to current edition of standards.	-40°C to +95°C
	0-4/8A, direct measuring	CZ0205-A4	CZ								
	0-5/10A, direct measuring	CZ0205-A5	CZ								
	0-10/20A, direct measuring	CZ0205-A10	CZ								
	0-15/30A, direct measuring	CZ0205-A15	CZ								
	0-1/2A, for current transformer, 2 times	CZ0205-A01/□-2	CZ								
	0-2.5/5A, for current transformer, 2 times	CZ0205-A2.5/□-2	CZ								
	0-5/10A, for current transformer, 2 times	CZ0205-A5/□-2	CZ								
	0-5/10A, for current transformer, 2 times, CT1A	CZ0205-A5/1-2	CZ								
	0-15/30A, for current transformer, 2 times, CT1A	CZ0205-A15/1-2	CZ								
	0-25/50A, for current transformer, 2 times, CT1A	CZ0205-A25/1-2	CZ								

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0-40/80A, for current transformer, 2 times, CT1A	CZ0205-A40/1-2	CZ	
0-50/100A, for current transformer, 2 times, CT1A	CZ0205-A50/1-2	CZ	
0-60/120A, for current transformer, 2 times, CT1A	CZ0205-A60/1-2	CZ	
0-75/150A, for current transformer, 2 times, CT1A	CZ0205-A75/1-2	CZ	
0-100/200A, for current transformer, 2 times, CT1A	CZ0205-A100/1-2	CZ	
0-150/300A, for current transformer, 2 times	CZ0205-A150/□-2	CZ	
0-200/400A, for current transformer, 2 times	CZ0205-A200/□-2	CZ	
0-250/500A, for current transformer, 2 times	CZ0205-A250/□-2	CZ	
0-300/600A, for current transformer, 2 times	CZ0205-A300/□-2	CZ	
0-400/800A, for current transformer, 2 times	CZ0205-A400/□-2	CZ	
0-500/1000A, for current transformer, 2 times	CZ0205-A500/□-2	CZ	
0-600/1200A, for current transformer, 2 times	CZ0205-A600/□-2	CZ	
0-1/5A, for current transformer, 5 times	CZ0205-A01/□-5	CZ	
0-2.5/5A, for current transformer, 5 times	CZ0205-A2.5/□-5	CZ	
0-5/25A, for current transformer, 5 times	CZ0205-A5/□-5	CZ	
0-15/75A, for current transformer, 5 times	CZ0205-A15/□-5	CZ	
0-25/125A, for current transformer, 5 times	CZ0205-A25/□-5	CZ	
0-40/200A, for current transformer, 5 times	CZ0205-A40/□-5	CZ	

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	0-50/250A, for current transformer, 5 times	CZ0205-A50/□-5	CZ	
	0-60/300A, for current transformer, 5 times	CZ0205-A60/□-5	CZ	
	0-75/375A, for current transformer, 5 times	CZ0205-A75/□-5	CZ	
	0-100/500A, for current transformer, 5 times	CZ0205-A100/□-5	CZ	
	0-150/750A, for current transformer, 5 times	CZ0205-A150/□-5	CZ	
	0-200/1000A, for current transformer, 5 times	CZ0205-A200/□-5	CZ	
	0-250/1250A, for current transformer, 5 times	CZ0205-A250/□-5	CZ	
	0-300/1500A, for current transformer, 5 times	CZ0205-A300/□-5	CZ	
	0-400/2000A, for current transformer, 5 times	CZ0205-A400/□-5	CZ	
	0-500/2500A, for current transformer, 5 times	CZ0205-A500/□-5	CZ	
	0-600/3000A, for current transformer, 5 times	CZ0205-A600/□-5	CZ	
	Secondary current transformer, 5A	5	CZ	
	Secondary current transformer,1A	1	CZ	
	0-20/40mA	CZ0205-mA11	CZ	
	4-20/40mA	CZ0205-mA12	CZ	
	0-25V	CZ0205-V25	CZ	
	0-40V	CZ0205-V40	CZ	
	0-150V	CZ0205-V150	CZ	
	0-250V	CZ0205-V250	CZ	
	0-500V	CZ0205-V500	CZ	

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	rail mounting base	**6WA**	**CZ**								
	lid mounting base	**7WA**	**CZ**								
	calotte EXM	**CZ4000-M1 or EXM**	**CZ**								
	calotte with label	**CZ4000-M2**	**CZ**								
CZ0212 Series operation head	**signal lamp with pushbutton, red**	**CZ4000-PR**	**CZ**		II 2GD Ex eb IIC Gb Ex tb IIIC Db	CML 19 ATEX 3180U_0	EN 60079-0:2018 EN 60079-7:2015+A1:2018 EN 60079-31:2014	IECEx CQM 15.0035U_1	IEC60079-0:2011 IEC60079-31:2013 IEC60079-7:2015	No applicable major technical differences between 60079-0:2017 and 60079-0:2011. Components certified to current edition of standards.	-55°C to +65°C
	signal lamp with pushbutton, green	**CZ4000-PG**	**CZ**								
	signal lamp with pushbutton, yellow	**CZ4000-PY**	**CZ**								
	signal lamp with pushbutton, blue	**CZ4000-PB**	**CZ**								
	signal lamp with pushbutton, white	**CZ4000-PW**	**CZ**								
CZ0212 Series illuminated pushbutton module	**board front type, white, 1NC, 10-28VAC/DC, Ex iaIIC, -55°C≤Ta≤+55°C**	**CZ0212-6300H**	**CZ**		II 1G Ex ia IIC Ga	Presafe 16 ATEX 9083U_0	EN 60079-0:2012+A11:2013 EN 60079-1:2014 EN 60079-11:2012 EN 60079-26:2015 EN 60079-7:2015	IECEx CQM 11.0034U_0	IEC 60079-0:2011 IEC 60079-1:2014 IEC 60079-11:2011 IEC 60079-26:2014 IEC 60079-7:2015	No applicable major technical differences between 60079-0:2017 and 60079-0:2011. Components certified to current edition of standards. AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018	-55°C to +90°C
	board back type, white,1NC, 10-28VAC/DC, Ex iaIIC, -55°C≤Ta≤+55°C	**CZ0212-7300H**	**CZ**								
	board front type, white, 1NC, 20-250VAC/DC, -40°C≤Ta≤+60°C	**CZ0212-6301L**	**CZ**		II 2G Ex db eb IIC Gb						-40°C to +90°C
	board back type, white, 1NC, 20-250VAC/DC, -40°C≤Ta≤+60°C	**CZ0212-7301L**	**CZ**								
	board front type, white, 1NC, 10-28VAC/DC, -40°C≤Ta≤+60°C	**CZ0212-6303L**	**CZ**								
	board back type, white, 1NC, 10-28VAC/DC, -40°C≤Ta≤+60°C	**CZ0212-7303L**	**CZ**								
	board front type, white, 1NC, 50-277VAC/DC, -40°C≤Ta≤+60°C	**CZ0212-6304L**	**CZ**								
	board back type, white, 1NC, 50-	**CZ0212-7304L**	**CZ**								

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277VAC/DC, -40°C≤Ta≤+60°C										
board front type, white, 1NO, 10-28VAC/DC, Ex iaIIC, -55°C≤Ta≤+55°C	CZ0212-6400H	CZ		II 1G Ex ia IIC Ga						-55°C to +90°C
board back type, white,1NO, 10-28VAC/DC, Ex iaIIC, -55°C≤Ta≤+55°C	CZ0212-7400H	CZ								
board front type, white, 1NO,20-250VAC/DC, -40°C≤Ta≤+60°C	CZ0212-6401L	CZ		II 2G Ex db eb IIC Gb						-40°C to +90°C
board back type, white, 1NO, 20-250VAC/DC, -40°C≤Ta≤+60°C	CZ0212-7401L	CZ								
board front type, white, 1NO, 10-28VAC/DC, -40°C≤Ta≤+60°C	CZ0212-6403L	CZ								
board back type, white, 1NO, 10-28VAC/DC, -40°C≤Ta≤+60°C	CZ0212-7403L	CZ								
board front type, white, 1NO, 50-277VAC/DC, -40°C≤Ta≤+60°C	CZ0212-6404L	CZ								
board back type, white, 1NO, 50-277VAC/DC, -40°C≤Ta≤+60°C	CZ0212-7404L	CZ								
board front type, white, 1NC, 20-250VAC/DC, -55°C≤Ta≤+60°C	CZ0212-6301H	CZ		II 2G Ex db eb IIC Gb						-55°C to +90°C
board back type, white, 1NC, 20-250VAC/DC, -55°C≤Ta≤+60°C	CZ0212-7301H	CZ								
board front type, white, 1NC, 10-28VAC/DC, -55°C≤Ta≤+60°C	CZ0212-6303H	CZ								
board back type, white, 1NC, 10-	CZ0212-7303H	CZ								

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	28VAC/DC, -55°C≤Ta≤+60°C									
	board front type, white, 1NC, 50-277VAC/DC, -55°C≤Ta≤+60°C	CZ0212-6304H	CZ							
	board back type, white, 1NC, 50-277VAC/DC, -55°C≤Ta≤+60°C	CZ0212-7304H	CZ							
	board front type, white, 1NO,20-250VAC/DC, -55°C≤Ta≤+60°C	CZ0212-6401H	CZ							
	board back type, white, 1NO, 20-250VAC/DC, -55°C≤Ta≤+60°C	CZ0212-7401H	CZ							
	board front type, white, 1NO, 10-28VAC/DC, -55°C≤Ta≤+60°C	CZ0212-6403H	CZ							
	board back type, white, 1NO, 10-28VAC/DC, -55°C≤Ta≤+60°C	CZ0212-7403H	CZ							
	board front type, white, 1NO, 50-277VAC/DC, -55°C≤Ta≤+60°C	CZ0212-6404H	CZ							
	board back type, white, 1NO, 50-277VAC/DC, -55°C≤Ta≤+60°C	CZ0212-7404H	CZ							

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Name	Description	CZ Order No.	Manufacturer	Marking	ATEX Certificate Number	Standards ATEX	IECEx Certificate Number	Standards on IECEx CoC:	Gap analysis review (ExTAG DS 2014-001)	Operating Temp. range
CZ0513 seriesmodule										
	25A, 40A, 80A, 180A	CZ0513 - 25 / CZ0513 40 / CZ0513 80 / CZ0513 180 /	CZ	II 2G Ex db eb IIC Gb	Presafe 16 ATEX 8122 U_0	EN 60079-0:2012+A11:2013 EN 60079-1:2014 EN 60079-7:2015	IECEx CML 19.0055U_1	IEC 60079-0:2017 IEC 60079-1:2014 IEC 60079-7:2017	No applicable major technical differences between 60079-0:2017 and 60079-0:2011. Components certified to current edition of standards. AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018	-40°C to +95°C
CZ0511 series										
Circuit breaker	1P, 0.5~40A	BL/0.5~40A/1/□-□	CZ	II 2G Ex de IIC Gb Ex de IIB Gb	TUV 14 ATEX 7617 U_0	EN 60079-0:2012 EN 60079-1:2007 EN 60079-7:2007	IECEx CQM 10.0004U_1	IEC 60079-0:2007 IEC 60079-1:2007 IEC 60079-7:2006	AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018	IIC: -20°C to +110°C IIB: -40°C to +110°C
	1N, 0.5~40A	BL/0.5~40A/1N/□-□	CZ							
	2P, 0.5~40A	BL/0.5~40A/2/□-□	CZ							
	3P, 0.5~40A	BL/0.5~40A/3/□-□	CZ							
	3N, 0.5~40A	BL/0.5~40A/3N/□-□	CZ							
	4P, 0.5~40A	BL/0.5~40A/4/□-□	CZ							
	Trip character C/D	C/D	CZ							
	With auxiliary contact 1NO+1NC	0	CZ							
Leakage circuit breaker	Current rating: 6A, 10A, 16A, 20A, 25A, 32A, 40A, 30mA	BLD/6~40A/1N/30mA	CZ	II 2G Ex de IIC Gb Ex de IIB Gb	TUV 14 ATEX 7617 U_0	EN 60079-0:2012 EN 60079-1:2007 EN 60079-7:2007	IECEx CQM 10.0004U_1	IEC 60079-0:2007 IEC 60079-1:2007 IEC 60079-7:2006	AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018	IIC: -20°C to +110°C IIB: -40°C to +110°C
	Current rating: 6A, 10A, 16A, 20A, 25A, 32A, 40A, 30mA	BFL/6~40A/1N/30mA	CZ							
	Current rating: 6A, 10A, 16A, 20A, 25A, 32A, 40A, 100mA	BFL/6~40A/1N/100mA	CZ							
	Current rating: 6A, 10A, 16A, 20A, 25A, 32A, 40A, 300mA	BFL/6~40A/1N/300mA	CZ							

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Leakage circuit breaker	3P+N, 25A, 30mA	BF/25/4/30	CZ	II 2G Ex de IIC Gb Ex de IIB Gb	TUV 14 ATEX 7617 U_0	EN 60079-0:2012 EN 60079-1:2007 EN 60079-7:2007	IECEx CQM 10.0004U_1	IEC 60079-0:2007 IEC 60079-1:2007 IEC 60079-7:2006	AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018	IIC: -20°C to +110°C IIB: -40°C to +110°C
	3P+N, 25A, 100mA	BF/25/4/100	CZ							
	3P+N, 40A, 30mA	BF/40/4/30	CZ							
	3P+N, 40A, 100mA	BF/40/4/100	CZ							
	3P+N, 40A, 300mA	BF/40/4/300	CZ							
CZ0512 series										
AC contactor	12A	BDI/12/□-0	CZ	II 2G Ex db eb IIC Gb Ex db eb IIB Gb	Presafe 16 ATEX 8119U_0	EN 60079-0:2012 EN 60079-1:2014 EN 60079-7:2015	IECEx CQM 10.0005U_2	IEC 60079-0:2011 IEC 60079-1:2014 IEC 60079-7:2006	No applicable major technical differences between 60079-0:2017 and 60079-0:2011. Components certified to current edition of standards. AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018 .	IIC: -20°C to +110°C IIB: -40°C to +110°C
	25A	BDI/25/□-0	CZ							
	38A	BDI/38/□-0	CZ							
	12A	BDIN/12/□-0	CZ							
	25A	BDIN/25/□-0	CZ							
	38A	BDIN/38/□-0	CZ							
	Coil range: 01-24V, 02-36V, 03-48V, 04-110V, 05-220~230V, 06-380~400V		CZ							
Starter module(AC contactor+ thermorelay)	12A, 0.16~10A	BZCI/0.16~10A/□	CZ	II 2G Ex db eb IIC Gb Ex db eb IIB Gb	Presafe 16 ATEX 8119U_0	EN 60079-0:2012 EN 60079-1:2014 EN 60079-7:2015	IECEx CQM 10.0005U_2	IEC 60079-0:2011 IEC 60079-1:2014 IEC 60079-7:2006	No applicable major technical differences between 60079-0:2017 and 60079-0:2011. Components certified to current edition of standards. AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018	IIC: -20°C to +110°C IIB: -40°C to +110°C
	25A, 9~24A	BZCI/13~24A/□	CZ							
	38A, 23~38A	BZCI/32~38A/□	CZ							
	Coil range: 01-24V, 02-36V, 03-48V, 04-110V, 05-220~230V, 06-380~400V		CZ							

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Thermorelay module		BZC/0.16~38A	CZ	II 2G Ex db eb IIC Gb Ex db eb IIB Gb	Presafe 16 ATEX 8119U_0	EN 60079-0:2012 EN 60079-1:2014 EN 60079-7:2015	IECEx CQM 10.0005U_2	IEC 60079-0:2011 IEC 60079-1:2014 IEC 60079-7:2006	No applicable major technical differences between 60079-0:2017 and 60079-0:2011. Components certified to current edition of standards. AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018 .	IIC: -20°C to +110°C IIB: -40°C to +110°C
Time relay module	AC100-120V	BHC/04/□	CZ	II 2G Ex db eb IIC Gb Ex db eb IIB Gb	Presafe 16 ATEX 8119U_0	EN 60079-0:2012 EN 60079-1:2014 EN 60079-7:2015	IECEx CQM 10.0005U_2	IEC 60079-0:2011 IEC 60079-1:2014 IEC 60079-7:2006	No applicable major technical differences between 60079-0:2017 and 60079-0:2011. Components certified to current edition of standards. AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018	IIC: -20°C to +110°C IIB: -40°C to +110°C
	AC200-230V	BHC/05/□	CZ							
	DC12V	BHC/10/□	CZ							
	DC24V	BHC/11/□	CZ							
	DC48V	BHC/13/□	CZ							
	DC100V/110V	BHC/14/□	CZ							
Miniature relay module	AC24V	BMY/01	CZ	II 2G Ex db eb IIC Gb Ex db eb IIB Gb	Presafe 16 ATEX 8119U_0	EN 60079-0:2012 EN 60079-1:2014 EN 60079-7:2015	IECEx CQM 10.0005U_2	IEC 60079-0:2011 IEC 60079-1:2014 IEC 60079-7:2006	No applicable major technical differences between 60079-0:2017 and 60079-0:2011. Components certified to current edition of standards. AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018	IIC: -20°C to +110°C IIB: -40°C to +110°C
	AC100/110	BMY/04	CZ							
	AC220-240V	BMY/05	CZ							
	DC12V	BMY/10	CZ							
	DC24V	BMY/11	CZ							
	DC100V/110V	BMY/14	CZ							
Motor protection switch module	With small handle	BPK/0.16/S	CZ	II 2G Ex db eb IIC Gb Ex db eb IIB Gb	Presafe 16 ATEX 8119U_0	EN 60079-0:2012 EN 60079-1:2014 EN 60079-7:2015	IECEx CQM 10.0005U_2	IEC 60079-0:2011	No applicable major technical differences between 60079-0:2017 and	IIC: -20°C to +110°C

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	With small handle, with auto-trip	BPK/0.16/-U-S	CZ					IEC 60079-1:2014 IEC 60079-7:2006	60079-0:2011. Components certified to current edition of standards. AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018 .	IIB: -40°C to +110°C
	With small handle, with 1NO+1NC aux. contact	BPK/0.16/-0-S	CZ							
	With small handle, with auto-trip and 1NO+1NC aux. contact	BPK/0.16/-U-0-S	CZ							
	With large handle	BPK/0.16/L	CZ							
	With large handle, with auto-trip	BPK/0.16/-U-L	CZ							
	With large handle, with 1NO+1NC aux. contact	BPK/0.16/-0-L	CZ							
	With large handle, with auto-trip and 1NO+1NC aux. contact	BPK/**0.16**/-U-0-L	CZ							
		Ratings: 0.16, 0.25, 0.4, 0.63, 1, 1.6, 2.5, 4, 6.3, 10, 16, 20, 25A								
Fuse module CZ0804 series	0.5A	T0.5A	CZ	II 2G Ex e mb IIC Gb	DNV 12 ATEX 11180U_0	EN 60079-0:2009 EN 60079-18:2009 EN 60079-7:2007	IECEx CQM 11.0009U_0	IEC60079-0:2007 IEC60079-18:2009 IEC60079-7:2006	No applicable major technical differences between 60079-0:2017 and 60079-0:2011. Components certified to current edition of standards. AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018	-55°C to +85°C
	1A	T1A	CZ							
	1.25A	T1.25A	CZ							
	1.6A	T1.6A	CZ							
	2A	T2A	CZ							
	2.5A	T2.5A	CZ							
	3.15A	T3.15A	CZ							
	5A	T5A	CZ							
	6.3A	T6.3A	CZ							
8000 series Electrical box accessories										
		CZ8000-8002/1	CZ	II 2GD Ex eb IIC Gb Ex tb IIIC Db	CML17 ATEX 3102U_2	EN 60079-0:2018 EN 60079-31:2014 EN 60079-7:2015+A1:2018	IECEx CML 17.0042 U_2	IEC60079-0:2017 IEC60079-31:2013 IEC60079-7:2017		-55°C to +80°C
		CZ8000-8002/2	CZ							

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CZ0516 series transformer module	100VA		CZ	II 2G Ex eb IIC Gb	CML 16 ATEX 3133U_0	EN 60079-0:2012:A11:2013 EN 60079-7:2015	IECEx CML 16.0055U_1	IEC60079-0:2011 IEC60079-7:2015	No applicable major technical differences between 60079-0:2017 and 60079-0:2011. Components certified to current edition of standards. AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018 .	-55°C to +55°C/70°C
	200VA		CZ							
	400VA		CZ							
	550VA		CZ							
	750VA		CZ							
	1200VA		CZ							
	1600VA		CZ							
CZ01208 Buzzer module	"1208-07 RED COLOR AND FLASH TYPE 10V-28VAC/DC 1208-07 RED COLOR AND FLASH TYPE 20V-250VAC/DC 1208-07 BLACK COLOR, 10V-28VAC/DC 1208-07 BLACK COLOR, 20V-250VAC/DC"	CZ1208/2-R70 CZ1208/2-R71 CZ1208/2-B70 CZ1208/2-B71"	CZ	II 2G Ex eb ib mb IIC Gb II 2D Ex ib tb IIIC Db II 2G Ex db eb ib mb IIC Gb II 2D Ex ib tb IIIC Db	EPT 16 ATEX 2404 U_2	EN 60079-0:2012 +A11:2013 EN 60079-1:2014 EN 60079-7:2015 EN 60079-11:2012 EN 60079-18:2015 EN 60079-31:2014	IECEx EUT 16.0011 U_1	IEC 60079-0:2011 IEC 60079-1:2014 IEC 60079-7:2015 IEC60079-11:2011 IEC 0079-18:2014 IEC60079-31:2013	'No applicable major technical differences between 60079-0:2017 and 60079-0:2011. Components certified to current edition of standards. DoC updated to the new standard: EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018; EN 60079-18:2015+A1:2017.	-40°C to +90°C CZ1208/2-.7. -55°C to +90°C CZ1208/1-.7.

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Ex-Tech Solutions:

Description	Marking	ATEX Certificate Number	Standards ATEX	IECEx Certificate Number	Standards on IECEx CoC:	Gap analysis review (ExTAG DS 2014-001)	Operating Temp. range
PILOT LIGHT & RESISTOR type ZBWV/L/R... or XLW… or XAW5…	II 2GD Ex eb mb IIC Gb Ex tb IIIC Db	INERIS 04 ATEX 9003U_4	EN 60079-0:2012+A11:2013 EN 60079-7:2015 EN 60079-18:2015 EN 60079-31:2014	IECEx INE 16.0039U_3	IEC 60079-0:2017 IEC 60079-7:2017 IEC 60079-18:2017 IEC 60079-31:2013	AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018; EN 60079-18+A1:2017 Components certified to current edition of standards	-40°C to 95°C or -20°C to +75°C or -50°C to 75°C
CONTACT & CONTROL UNITS TYPES ZBW…..	II 2G Ex db eb IIC Gb or II 2GD Ex eb IIC Gb Ex tb III C Db or II 2GD Ex db eb IIC Gb Ex tb III C Db	INERIS 02 ATEX 9007U_7	EN IEC 60079-0:2018 EN 60079-7:2015/A1:2018 EN 60079-1:2014 EN 60079-31:2014	IECEx INE 13.0063U_5	IEC 60079-0:2017 IEC 60079-7:2017 IEC 60079-1:2014 IEC 60079-31:2013	Components certified to current edition of standards	-50°C to 75°C or -20°C to +50°C or- 20°C to +65°C or -20°C to 75°C

CEAG:

Description	Marking	ATEX Certificate Number	Standards ATEX	IECEx Certificate Number	Standards on IECEx CoC:	Gap analysis review (ExTAG DS 2014-001)	Operating Temp. range
GHG 62* FLAMPROOF ENCAPSULATION UP TO 63A	IECEX: Ex db eb IIB/IIC Gb or Ex db eb [ia Ga] IIB/IIC Gb ATEX: II 2 G Ex db e IIB/IIC Gb or Ex db eb [ia] ib IIB/IIC Gb Ex db eb IIB/IIC Gb or Ex db eb [ia] ib IIB/IIC Gb	BVS 09 ATEX E 145 U_6	EN 60079-0:2012+A11:2013 EN 60079-1:2014 EN 60079-7:2007 EN 60079-7:2015 EN 60079-11:2012	IECEx BVS 10.0002U_9	IEC 60079-0:2017 IEC 60079-1:2014 IEC 60079-7:2017 IEC 60079-11:2011	No applicable major technical differences between 60079-0:2017 and 60079-0:2011. AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018	-20°C to 110°C IIC/IIB -45°C to +110°C IIB

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Schneider:

Description	Marking	ATEX Certificate Number	Standards ATEX	IECEx Certificate Number	Standards on IECEx CoC:	Gap analysis review (ExTAG DS 2014-001)	Operating Temp. range
CONTROL & SIGNALLING UNITS TYPE XB4B…EX, XB4B…GEX and ZB….GEX	II 2GD Ex eb mb IIC Gb or Ex db eb IIC Gb or Ex db eb mb IIC Gb Ex tb IIIC Db	INERIS 04 ATEX 9004U_4	EN IEC 60079-0:2018 EN IEC 60079-7:2015+A1:2018 EN 60079-18:2015+A1:2017 EN 60079-31:2014 EN 60079-1:2014	IECEx INE 18.0003U_1	IEC 60079-0:2017 IEC 60079-1:2014 IEC 60079-7:2017 IEC 60079-18:2017 IEC 60079-31:2013	Components certified to current edition of standards	-40°C to 95°C or -20°C to +75°C or -50°C to 75°C

Scame Parre:

Description	Marking	ATEX Certificate Number	Standards ATEX	IECEx Certificate Number	Standards on IECEx CoC:	Gap analysis review (ExTAG DS 2014-001)	Operating Temp. range
COMMAND-EX	II 2G Ex db eb IIC Gb [without EX-HANDLE-Kit] or II 2D Ex db eb IIC Gb Ex tb IIIC Db [with EX-HANDLE-Kit]	INERIS 13 ATEX 9012 U_5	EN IEC 60079-0:2018 EN IEC 60079-7:2015+A1:2018 EN 60079-31:2014 EN 60079-1:2014	IECEx INE 13.0032 U_5	IEC 60079-0:2017 IEC 60079-1:2014 IEC 60079-7: 2017 IEC 60079-31:2013	Components certified to current edition of standards.	-50°C to 100°C or -40°C to +80°C or -50°C to 75°C
OPTIMA-EX[GD] Flange Socket-EX, Type SC88xxxx **NEW**	II 2G Ex db eb IIC Gb II 2D Ex tb IIIC Db	IMQ 24 ATEX 0053 U_0	EN IEC 60079-0:2018 EN 60079-1:2014 EN 60079-7:2015, EN IEC 60079-7:2015+A1:2018 EN 60079-31:2014	IECEx IMQ 24.0009 U_0	IEC 60079-0:2017 IEC 60079-1:2014 IEC 60079-7:2015+A1:2017 IEC 60079-31:2013 IEC 60079-31:2022	Components certified to current edition of standards.	Size 2 (3P+N+T) Tservice = -50°C ÷ +82°C; Size 1 (2P+T) Tservice = -50°C ÷ +72°C;

Technor Italsmea:

Description	Marking	ATEX Certificate Number	Standards ATEX	IECEx Certificate Number	Standards on IECEx CoC:	Gap analysis review (ExTAG DS 2014-001)	Operating Temp. range
ECR3 Drain and breathing valve M16 X 1,5 mm	II 2G Ex e IIC Gb II 2D Ex tb III C Db IP66/67	IMQ 14 ATEX 019 U_0	EN 60079-0:2012 EN 60079-7:2007 EN 60079-31:2009	IECEx IMQ 14.0008U_0	IEC 60079-0:2011 IEC 60079-7: 2006 IEC 60079-31: 2008	AoC updated to the new standards : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018, EN 60079-31:2014	-50°C to +105°C

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BARTEC FN

Description	Marking	ATEX Certificate Number	Standards ATEX	IECEx Certificate Number	Standards on IECEx CoC:	Gap analysis review (ExTAG DS 2014-001)	Operating Temp. range
ECD**** Drain and breathing valve	II 2G Ex eb IIC Gb Ex db IIC Gb II2D Ex tb IIIC Db	EXA 14 ATEX 0059U_2	EN IEC 60079-0 :2018 EN 60079-1 : 2014 EN IEC 60079-7 : 2015 + A1 : 2018 EN 60079-31 : 2014	IECEx EXA 14.0004 U_2	IEC 60079-0:2017 IEC 60079-1: 2014 IEC 60079-7:2017 IEC 60079-31:2013	Components certified to current edition of standards.	-60°C to 80°C

CZ

Description	Marking	ATEX Certificate Number	Standards ATEX	IECEx Certificate Number	Standards on IECEx CoC:	Gap analysis review (ExTAG DS 2014-001)	Operating Temp. range
CZ0527-…. Drain and breathing valve	II 2GD Ex eb IIC Gb Ex tb IIIC Db IP65/64	EPT 16 ATEX 2519_0	EN 600079-0:2012+A11:2013 EN 60079-7:2015 EN 60079-31:2014	IECEx EUT 16.0010_0	IEC 60079-0:2011 IEC 60079-7:2015 IEC 60079-31:2013	No applicable major technical differences between 60079-0:2017 and 60079-0:2011. DoC updated to latest edition of EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018 EN 60079:31:2014	-40°C to +85°C

BEKA

Description	Marking	ATEX Certificate Number	Standards ATEX	IECEx Certificate Number	Standards on IECEx CoC:	Gap analysis review (ExTAG DS 2014-001)	Operating Temp. range
LED Cluster Lamp BA309	II 1GD Ex ia IIC T4 Ga II 2D Ex ia IIIC T135°C Da	ITS 13ATEX 27822X_1	EN 60079-0:2012 EN 60079-11:2012	IECEx ITS 08.0030X_2	IEC 60079-0:2017 IEC 60079-11:2011	DoC updated to the new standard : EN IEC 60079-0:2018	-20°C to +60°C

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Ex terminals:

Manufacturer	Terminals Family	Marking	ATEX Certificate	Standards ATEX	Gap analysis review (ExTAG DS 2014-001)	IECEx Certificate	Standards on IECEx CoC:	Service Temperature	Note
WEIDMULLER	Feed through and protective conductor terminals with accessories - WDU*, WPE* and accessories ZQV*, WQV*, WAP*, WEW*, WTW*, LS 2.8	Ex eb IIC Gb	DEMKO 14 ATEX 1338U_ 8	EN 60079-0:2018 EN 60079-7:2015+A1:2018	--	IECEx ULD 14.0005U_8	IEC 60079-0:2017 IEC 60079-7:2017	-60°C to +110°C	ok
WEIDMULLER	Feed through and protective conductor terminals with accessories, WDK and accessories ZQV, WQV, WAP, WEW, WTW, LS 2.8	Ex eb IIC Gb	DEMKO 15 ATEX 1346U_3	EN 60079-0:2018 EN 60079-7:2015+A1:2018	--	IECEx ULD 15.0003U_3	IEC 60079-0:2017 IEC 60079-7:2017	-50°C to +100°C	ok
WEIDMULLER	Feed through and protective conductor terminal blocks, Types ZDU 2.5 and ZPE 2.5 and accessories ZQV, WAP, WEW, WTW and LS2.8	Ex eb IIC Gb	DEMKO 15 ATEX 1467U_4	EN 60079-0:2018 EN 60079-7:2015+A1:2018	--	IECEx_ULD_15.0008U_4	IEC 60079-0:2017 IEC 60079-7:2017	DEMKO 15 ATEX 1467U_3	ok
WEIDMULLER	Terminals A* Series	Ex eb IIC Gb	TUV 16 ATEX 7909U_10	EN 60079-0:2018 EN 60079-7:2015+A1:2018	--	IECEx TUR 16.0036U_11	IEC 60079-0:2017 IEC 60079-7:2017	-60°C to +110°C	OK
WEIDMULLER	Terminals AKZ/AKE Series	Ex eb IIC Gb	TUR 18 ATEX 8221U_3	EN 60079-0:2018 EN 60079-7:2015+A1:2018	--	IECEx TUR 18.0024U_3	IEC 60079-0:2017 IEC 60079-7:2017	-60°C to +110°C	OK

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WEIDMULLER	Terminals SAK-EK Series	Ex e II	TUV 18 ATEX 8207U_0	EN 60079-0:2018 EN 60079-7:2015+A1:2018	--	IECEx TUR 18.0017U_0	IEC 60079-0:2017 IEC 60079-7:2017	-50°C to +85°C T6 : -50°C to +40°C T5 : -50°C to +45°C T4 : -50°C to +45°C	OK
WEIDMULLER	Terminals SAK-K Series	Ex eb IIC Gb	TUV 18 ATEX 8208U_1	EN 60079-0:2018 EN 60079-7:2015+A1:2018	--	IECEx TUR 18.0018_2	IEC 60079-0:2017 IEC 60079-7:2017	-60°C to +210°C (insulating material limit) T6 :-60°C to +40°C T5 : -60°C to +55°C T4 : -60°C to +95°C T3 : -60°C to +155°C T2 : -60°C to +170°C	OK
WEIDMULLER	Terminals ZDK* Series and ZQV* accessories	Ex eb IIC Gb	DEMKO 16 ATEX 1729U_2	EN IEC 60079-0:2018 EN IEC 60079-7:2015+A1:2018	--	IECEx ULD 16.0025U_3	IEC 60079-0:2017 IEC 60079-7:2017	-60°C to +110°C	OK
WEIDMULLER	Terminals ZDK, ZDU, ZDU A, ZDU B, ZPEA, ZPEB, ZPE Series and ZQV and ZQB accessories	Ex eb IIC Gb	DEMKO 16 ATEX 1808U_3	EN IEC 60079-0:2018 EN IEC 60079-7:2015+A1:2018	--	IECEx ULD 16.0036U_3	IEC 60079-0:2017 IEC 60079-7:2017	-60°C to +110°C	OK
WEIDMULLER	terminals WFF	Ex eb IIC Gb	DEMKO 15 ATEX 1357U_1	EN 60079-0:2018 EN 60079-7:2015+A1:2018		IECEx ULD 15.0004U_1	IEC 60079-0:2017 IEC 60079-7:2017	-60°C to +100°C	OK
CABUR	Series H	Ex eb IIC Gb	INERIS 16 ATEX 9002U_0	EN 60079-0:2012+A11:2013 EN 60079-7:2007	Attestation of Conformity EN IEC 60079-0:2018 EN IEC 60079-7:2016+A1:2018	IECEx INE 16.0032U_0	IEC 60079-0:2011 IEC 60079-7:2006	-40°C to +80°C	AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018

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CABUR	Series BPL.4 - BPL/R - TPL.4	Ex eb IIC Gb	CESI 03 ATEX 164U_2	EN 60079-7:2007"	Attestation of Conformity EN IEC 60079-0:2018 EN IEC 60079-7:2016+A1:2018	IECEx CES 11.0008U_1	IEC 60079-0:2011 IEC 60079-7:2015	-40°C to +110°C	AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018
CABUR	Series DAS.4	Ex eb IIC Gb	CESI 03 ATEX 162U_2	EN 60079-0:2012+A11:2013 EN 60079-7:2015	Attestation of Conformity EN IEC 60079-0:2018 EN IEC 60079-7:2016+A1:2018	IECEx CES 11.0007U_1	IEC 60079-0:2011 IEC 60079-7:2015	-40°C to +110°C	AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018
CABUR	Series DBC.2	Ex e IIC Gb	CESI 14 ATEX 035U_0	EN 60079-0:2012 EN 60079-7:2007	Attestation of Conformity EN IEC 60079-0:2018 EN IEC 60079-7:2016+A1:2018	IECEx CES 14.0021U_0	IEC 60079-0:2011 IEC 60079-7:2006	-40°C to +110°C	AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018
CABUR	Series DBC.4	Ex e IIC Gb	IMQ 17 ATEX 001U_0	EN 60079-0:2012+A11:2013 EN 60079-7:2015	Attestation of Conformity EN IEC 60079-0:2018 EN IEC 60079-7:2016+A1:2018	IECEx IMQ 17.0001U	IEC 60079-0:2011 IEC 60079-7:2015	-40°C to +110°C	AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018
CABUR	Series RN.2 e RP.4	Ex eb IIC Gb	CESI 03 ATEX 073U_3	EN 60079-0:2012+A11:2013 EN 60079-7:2015	Attestation of Conformity EN IEC 60079-0:2018 EN IEC 60079-7:2016+A1:2018	IECEx CES 11.0009U_1	IEC 60079-0:2011 IEC 60079-7:2015	-40°C to +110°C	AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018

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CABUR	Series Serie CBC	Ex eb IIC Gb	CESI 08 ATEX 061U_2	EN 60079-0:2012+A11:2013 EN 60079-7:2015	Attestation of Conformity EN IEC 60079-0:2018 EN IEC 60079-7:2016+A1:2018	IECEx CES 09.0002U_2	IEC 60079-0:2011 IEC 60079-7:2015	-40°C to +110°C	AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018
CABUR	Serie CBD e TC/PO	Ex eb IIC Gb	CESI 01 ATEX 090_2	EN 60079-0:2012+A11:2013 EN 60079-7:2015	Attestation of Conformity EN IEC 60079-0:2018 EN IEC 60079-7:2016+A1:2018	IECEx CES 09.0009U_1	IEC 60079-0:2011 IEC 60079-7:2015	-40°C to +110°C	AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018
CABUR	Serie TE../D, TE../O, TEO	Ex eb IIC Gb	CESI 02 ATEX 061U_2	EN 60079-0:2012+A11:2013 EN 60079-7:2015	Attestation of Conformity EN IEC 60079-0:2018 EN IEC 60079-7:2016+A1:2018	IECEx CES 09.0010U_1	IEC 60079-0:2011 IEC 60079-7:2015	-40°C to +110°C	AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018
CABUR	Serie GPM	Ex e IIC Gb	CESI 13 ATEX 038U_0	EN 60079-0:2012 EN 60079-7:2007	Attestation of Conformity EN IEC 60079-0:2018 EN IEC 60079-7:2016+A1:2018	IECEx CES 13.0012U_0	IEC 60079-0:2011 IEC 60079-7:2006	-40°C to +110°C	AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018
CABUR	Series TR.2 e TR.4	Ex eb IIC Gb	CESI 03 ATEX 022U_3	EN 60079-0:2012+A11:2013 EN 60079-7:2015	Attestation of Conformity EN IEC 60079-0:2018 EN IEC 60079-7:2016+A1:2018	IECEx CES 11.0004U_1	IEC 60079-0:2011 IEC 60079-7:2015	-40°C to +110°C	AoC updated to the new standard : EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018

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CABUR	Series EFC-EFCE-EFD-EFDE-EFT	Ex eb IIC Gb	IMQ 18 ATEX 007U_3	EN IEC 60079-0:2018 EN 60079-7:2015 EN IEC 60079-7:2015/A1:2018	--	IECEx IMQ_18.0002U_3	IEC 60079-0:2017 IEC 60079-7:2017	-40°C to +110°C	OK
WAGO Modular Terminal 4 mm2	262	Ex eb IIC Gb	PTB 98 ATEX 3125U_2	EN IEC 60079-0:2018 EN IEC 60079-7:2015/A1:2018	--	IECEx PTB 04.0004U_3	IEC 60079-0:2017 IEC 60079-7:2017	-55°C to +85°C	OK
WAGO Modular Terminal 2.5 mm^2	264	Ex eb IIC Gb	PTB 98 ATEX 3129U_2	EN 60079-0:2018 EN 60079-7:2015+A1:2018	--	IECEx PTB 04.0003U_5	IEC 60079-0:2017 IEC 60079-7:2017	-55°C to +110°C	OK
WAGO Rail Terminal 2.5 mm^2	2002	Ex eb IIC Gb	PTB 03 ATEX 1162U_4	EN 60079-0:2018 EN 60079-7:2015+A1:2018	--	IECEx PTB 03.0004U_9	IEC 60079-0:2017 IEC 60079-7:2017	"2002-6, 2002-22, 2002,32: -55°C to +75°C 2002-14, 2002-24, 2002-4: -55°C to +85°C 2002-1: -55°C to +110°C"	OK
WAGO Rail Terminal 4 mm^2	2004	Ex eb IIC Gb	PTB 05 ATEX 1095U_2	EN 60079-0:2018 EN 60079-7:2015+A1:2018	--	IECEx PTB 05.0033U_4	IEC 60079-0:2017 IEC 60079-7:2017	-55°C to +85°C	OK
WAGO Rail Terminal 6 mm^2	2006	Ex eb IIC Gb	PTB 05 ATEX 1030U_2	EN 60079-0:2018 EN 60079-7:2015+A1:2018	--	IECEx PTB 05.0014U_4	IEC 60079-0:2017 IEC 60079-7:2017	-55°C to +85°C	OK
WAGO Rail Terminal 10 mm^2	2010	Ex eb IIC Gb	PTB 05 ATEX 1070U_3	EN IEC 60079-0:2018 EN IEC 60079-7:2015/A1:2018	--	IECEx PTB 06.0003U_5	IEC 60079-0:2017 IEC 60079-7:2017	-55°C to +110°C	OK
WAGO Rail Terminal 16 mm^2	2016	Ex eb IIC Gb	PTB 05 ATEX 1031U_3	EN IEC 60079-0:2018	--	IECEx PTB 05.0015U_5	IEC 60079-0:2017	-55°C to +110°C	OK

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				EN IEC 60079-7: 2015/A1:2018			IEC 60079-7:2017		
WAGO Rail Terminal 95 mm^2	285-***	Ex eb IIC Gb	PTB 98 ATEX 3134U_4	EN 60079-0:2018 EN 60079-7:2015+A1:2018	--	IECEx PTB 16.0001U_3	IEC 60079-0:2017 IEC 60079-7:2017	-55°C to +85°C	OK
WAGO PE 0.2 to 2.5mm	870	Ex eb IIC Gb	PTB 98 ATEX 1188U_4	EN 60079-0:2018 EN 60079-7:2015+A1:2018	--	IECEx PTB 04.0018U_6	IEC 60079-0:2017 IEC 60079-7:2017	-55°C to +85°C	OK
WAGO Rail Terminal 95 mm2	282	Ex eb IIC Gb	PTB 98 ATEX 3131U_2	EN 60079-0:2018 EN 60079-7:2015+A1:2018	--	IECEx PTB 03.0004U_9	IEC 60079-0:2017 IEC 60079-7:2017	-55°C to +85°C	OK
WAGO Rail Terminal 0,5 to 16 mm2	283-***/***_***	Ex eb IIC Gb	PTB 98 ATEX 3132U_2	EN 60079-0:2018 EN 60079-7:2015+A1:2018	--	IECEx PTB 03.0004U_9	IEC 60079-0:2017 IEC 60079-7:2017	-55°C to +85°C	OK
WEIDMULLER **NEW**	WDU-240	Ex eb IIC Gb	KEMA 01 ATEX 2186U_3	EN 60079-0:2018 EN 60079-7:2015+A1:2018	--	IECEx DEK 21.0033U_0	IEC 60079-0:2017 IEC 60079-7:2017	-60°C to +110°C	OK

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Manufacturer	Terminal Family	Marking	ATEX Certificate	Standards ATEX	IECEx Certificate	Standards on IECEx CoC	Service Temperature	Gap analysis review (ExTAG DS 2014-001)
PHOENIX CONTACT	Terminal Blocks: ST 2,5; ST 2,5-TWIN; ST 2,5-QUATTRO STTB 2,5(-PV) Protective Conductor Terminal Blocks: ST 2,5-PE; ST 2,5-TWIN-PE; ST 2,5-QUATTRO-PE STTB 2,5 PE	Ex eb IIC Gb	KEMA 00 ATEX 2052U_8	EN IEC 60079-0:2018 EN IEC 60079-7:2015+A1:2018	IECEx KEM 06.0051U_10	IEC 60079-0:2017 IEC 60079-7:2017	-60°C to +85°C	OK
PHOENIX CONTACT	Terminal blocks ST 4; ST 4-TWIN; ST 4-QUATTRO; STTB 4(-PV); ST 6 and ST 6-TWIN Protective conductor terminal blocks ST 4-PE; ST 4-TWIN-PE; ST 4-QUATTRO-PE; STTB 4-PE; ST 6-PE and ST 6-TWIN-PE	Ex eb IIC Gb	KEMA 00 ATEX 2129U_8	EN IEC 60079-0:2018 EN IEC 60079-7:2015+A1:2018	IECEx KEM 06.0050U_8	IEC 60079-0:2017 IEC 60079-7:2017	-60°C to +85°C	OK
PHOENIX CONTACT	Terminal Blocks ST 1,5; ST 1,5-TWIN; ST 1,5-QUATTRO and STTB 1,5(-PV) Protective Conductor Terminal BlocksST 1,5-PE; ST 1,5 TWIN PE; ST 1,5-QUATTRO-PE and STTB 1,5-PE	Ex eb IIC Gb	KEMA 01 ATEX 2129U_8	EN IEC 60079-0:2018 EN IEC 60079-7:2015+A1:2018	IECEx KEM 06.0043U_10	IEC 60079-0:2017 IEC 60079-7:2017	-60°C to +85°C	OK
PHOENIX CONTACT	Terminal Blocks ST 10; ST 16 and ST 35 Protective Conductor Terminal blocks ST 10-PE; ST 16-PE and ST 35-PE	Ex eb IIC Gb	KEMA 01 ATEX 2260U_9	EN IEC 60079-0:2018 EN IEC 60079-7:2015+A1:2018	IECEx KEM 06.0033U_9	IEC 60079-0:2017 IEC 60079-7:2017	-60°C to +85°C	OK
PHOENIX CONTACT	Terminal Blocks UT 2,5; UT 4; UT 4-MTD; UT 6; UT 10; UT10 SL; UT 16; UT 35; UT 35 IB Protective Conductor Terminal Blocks UT 2,5-PE; UT 4-PE; UT 4-MTD-PE; UT 4-MTD-PE/S; UT 6-PE; UT 10-PE; UT 16-PE; UT 35-PE; UT 35-PE IB, Pick-off Terminal Blocks AGK 4-UT 10; AGK 4-UT 16; AGK 4-UT 35	Ex eb IIC Gb	KEMA 04 ATEX 2048U_8	EN IEC 60079-0:2018 EN IEC 60079-7:2015+A1:2018	IECEx KEM 06.0027U_9	IEC 60079-0:2017 IEC 60079-7:2017	-60°C to +110°C	OK

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PHOENIX CONTACT	Terminal Blocks; UT 2,5-QUATTRO; UT 2,5-TWIN; UT 4-QUATTRO; UT 4-TWIN; UTTB 2,5; UTTB 2,5-PV; UTTB 4 and UTTB 4-PV Protective Conductor Terminal Blocks; UT 2,5-QUATTRO-PE; UT 2,5-TWIN-PE; UT 4-QUATTRO-PE; UT 4-TWIN-PE; UTTB 2,5-PE and UTTB 4-PE	Ex eb IIC Gb	KEMA 06 ATEX 0017U_6	EN IEC 60079-0:2018 EN IEC 60079-7:2015+A1:2018	IECEx KEM 06.0013U_8	IEC 60079-0:2017 IEC 60079-7:2017	-60°C to +110°C	OK
PHOENIX CONTACT	Terminal blocks Types SSK 0525, SSK 110, SSK 116 and SSK 135	Ex eb IIC Gb	KIWA 17 ATEX 0022U_3	EN IEC 60079-0:2018 EN IEC 60079-7:2015+A1:2018	IECEx KIWA 17.0009U_3	IEC 60079-0:2017 IEC 60079-7:2017	-60°C to +180°C	OK
PHOENIX CONTACT	Terminal blocks and Protective conductor terminal blocks, Series PTS 4 and PTTBS 4	Ex eb IIC Gb	KIWA 17 ATEX 0048U_3	EN IEC 60079-0:2018 EN IEC 60079-7:2015+A1:2018	IECEx KIWA 17.0026U_5	EN 60079-0:2017 EN 60079-7:2017	-60°C to +85°C -40°C to +110°C	OK
PHOENIX CONTACT	Terminal Blocks Types QTC 1,5, QTC 1,5-TWIN, QTC 1,5-QUATTRO, QTTCB 1,5(-PV), QTC 2,5 and QTC 2,5-TWIN Quick Connection (Hybrid) Terminal blocks Types QTCS 1,5, QTCS 1,5-TWIN, QTCU 1,5, QTCU 1,5-TWIN, QTCS 2,5, QTCS 2,5-TWIN, QTCU 2,5 and QTCU 2,5-TWIN Protective Conductor Terminal Blocks Types QTC 1,5-PE,QTC 1,5-QUATTRO-PE, QTC 1,5-TWIN-PE, QTTCB 1,5-PE, QTC 2,5-PE and QTC 2,5-TWIN-PE Quick Connection (Hybrid) Protective Conductor Terminal blocks Types QTCS 1,5-PE, QTCS 1,5-TWIN-PE, QTCU 1,5-PE, QTCU 1,5-TWIN-PE, QTCS 2,5-PE, QTCS 2,5-TWINPE, QTCU 2,5-PE and QTCU 2,5-TWIN-PE	Ex eb IIC Gb	KIWA 19ATEX0019U_3	EN IEC 60079-0:2018 EN IEC 60079-7:2015+A1:2018	IECEx KIWA 19.0011U_3	IEC 60079-0:2017 IEC 60079-7:2017	-45°C to +90°C	OK
PHOENIX CONTACT	Terminal blocks, Type PT 2,5 (R1)***, PT 2,5 (R1)***-PE , PTTB 2,5 (R1)***, PTTB 2,5-PE (R1)	Ex eb IIC Gb	PTB 09 ATEX 1111U_1	EN IEC 60079-0:2018 EN IEC 60079-7:2015+A1:2018	IECEx PTB 10.0021U_6	IEC 60079-0:2017 IEC 60079-7:2017	-60°C to +110°C	OK
PHOENIX CONTACT	Terminal blocks, T¡rye PT4**, PT4"-PE, PTTB 4*, PTTB 4-PE	Ex eb IIC Gb	PTB 09 ATEX 1112U_1	EN IEC 60079-0:2018 EN IEC 60079-7:2015+A1:2018	IECEx PTB 10.0046U_4	EN 60079-0:2017 EN 60079-7:2017	-60°C to +110°C	OK

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PHOENIX CONTACT	Terminal Blocks Type PT 1,5/S …;PTS 1,5/S …,PTTB 1,5 …;PTTBS 1,5 …;PT2,5-3 …; PTS 2,5 …, PTTBS 2,5 …; PT 6 …; PT 10 …; PT 16 …	Ex eb IIC Gb	SEV 13 ATEX 0159U_10	EN IEC 60079-0:2018 EN IEC 60079-7:2015+A1:2018	IECEx SEV 13.0005U_8	IEC 60079-0:2017 IEC 60079-7:2017	-60°C to +85°C -40°C to +110°C	OK
PHOENIX CONTACT	Terminal Block, Types PTPOWER 35**, PTPOWER 35-PE, PTPOWER 50**, PTPOWER 50-PE, PTPOWER95**, PTPOWER 95 P**, PTPOWER 95 F**, PTPOWER 95-PE and AGK 10-PTPOWER 95	Ex eb IIC Gb	SEV 14 ATEX 0156U_6	EN IEC 60079-0:2018 EN IEC 60079-7:2015+A1:2018	IECEx SEV 14.0013U_5	IEC 60079-0:2017 IEC 60079-7:2017	-60°C to +110°C	OK

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