



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 PRE 20.0102X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 2 [Issue 1 \(2021-10-14\)](#)
[Issue 0 \(2020-12-04\)](#)
Date of Issue: 2023-12-01
Applicant: **BARTEC AS**
Vestre Svanholmen 24
Sandnes 4313
Norway
Equipment: **EXgate™ Communication Enclosure**
Optional accessory:
Type of Protection: **Ex d, e, t**
Marking: Ex db IIA/IIB/IIC T6/T5/T4 Gb or
Ex db eb IIA/IIB/IIC T6/T5/T4 Gb
Ex tb IIIC T 70°C / 80°C / 95°C / 100°C Db,
Details for T class, surface temperature and T_{amb} see in the attachment

Approved for issue on behalf of the IECEx
Certification Body:

Bjørn Spongsveen

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

1. This certificate and schedule may only be reproduced in full.
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:

DNV Product Assurance AS
Veritasveien 1
1363 Høvik
Norway





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Date of issue: 2023-12-01

Issue No: 2

Manufacturer: **BARTEC AS**
Vestre Svanholmen 24
Sandnes 4313
Norway

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 60079-31:2022](#) Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition:3.0

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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 Reports:

[NO/PRE/ExTR20.0109/01](#)

[NO/PRE/ExTR20.0109/02](#)

Quality Assessment Report:

[NO/DNV/QAR23.0002/00](#)



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

- new size EXgate™ 360 with polycarbonate dome
- new polycarbonate dome for EXgate™ 215
- signal light for EXgate™ 215 included
- manufacturer's name change

Annex:

[Annex to IECEx Certificate.pdf](#)




Annex to certificate: IECEx PRE 20.0102X Issue 2 EXgate™ Communication Enclosure

Type designation: EXgate™ 215_ *_ *_ *_ *_ *, EXgate™ 360_ *_ *_ (P/T/W)_ *_ *

Typekey explanation:

Letter	Description
Z	A letter code that pin points the internal configuration
1-XX	Means variant of threaded entries
S	The letter 'S' may also be used, specifying "Special"
D	Means a Composite Dome Ex d top
P	Means a Polycarbonate Dome Ex d top
T	Means a Tight Ex d top
W	Means a flat Glas Ex d top
O	Means without an Amphenol Receptacle is mounted
R	Means an Amphenol Receptacle is mounted
1	Means an Ex d solution
4	Means an Ex de solution with external Ex e enclosure
155-360	Means the outer diameter of the enclosure in mm
EXgate™	Means the product type

Letter	Description	Value / info
A*	Size - Diameter	215 or 360mm
B*	Ex execution	1= Means an Ex d solution 4= Means an Ex de solution with external Ex e enclosure
C*	Receptacle	R= Amphenol Receptacle is mounted O= Without Amphenol Receptacle
D*	Top section	D= Means a Composite Dome Ex d top P= Means a Polycarbonate Dome Ex d top T= Means a Tight Ex d top W= Means a flat Glas Ex d top
E*	Cable entries	1-XX Variant of threaded entries S May also be used, specifying "Special"
F*	Installed component	A= Means DOT 2217 is installed B= Means GPS OEM-GNSS-503 is installed C= Means Bullet Antenna is installed D= Means Sentries IG60 Gateway is installed E= Means RCS-100 Repeater is installed
G*	Environment	II 2G or II 2D or II 2 GD
H*	Ex code	db or eb db or tb
I*	Gas group	IIA, IIB or IIC
J*	Temp Class	T6, T5 or T4
K*	EPL	Gb or Db
L*	Dust Group	IIIC
M*	Temperature	T70 or T80°C or T95°C
N*	Certification Scheme	Presafe 20 ATEX 74578 X and/or IECEx PRE 20.0102X
O*	Lower Tamb	-20°C
P*	Higher Tamb	EXgate™ 215: +36° to +72°C EXgate™ 360: +30° to +60°C
Q*	IP rating	IP66
R*	U _N	3 to 24 VDC / POE (37-57 VDC) / 230 VAC
S*	I _N	≤1,5 A @ DC / 0,2 A @ AC
T*	Serial number	5-digit serial number
U*	Production year	Last two digits of the year, like 21 for year 2021
V*	Maximum dissipated power	EXgate™ 215 ≤ 30 W EXgate™ 360 ≤ 60 W
W*	WARNING	THREADED HOLES - SEE INSTALLATION INSTRUCTIONS
X*	WARNING	Do not open when an explosive atmosphere may be present
Y*	WARNING	Potential electrostatic charging hazard - See instructions

Type: EXgate® A*B*C*D*E*F*

BARTEC

BARTEC AS
Vestre Svanholmen 24
NO-4313 SANDNES, NORWAY

G* Ex H* I* J* K*
G* Ex H* L* M* K*
N*
N*
U_N= R* V I_N= S* A Q*
T.amb. 0* ≤ Ta ≤ P*
S.No./Year T*/U*
W*
X*

Ambient temperature, T class and max. surface temperature (determined w/o dust layers):

Model	Maximum power (dissipation)	Ambient temperature	T Class / surface temp.
EXgate™ 215 * 0 D **	3.5W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +62^{\circ}\text{C}$	T6 / 70°C
	9W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +58^{\circ}\text{C}$	T6 / 70°C
	15W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$	T6 / 70°C
	20W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +46^{\circ}\text{C}$	T6 / 70°C
	26W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +41^{\circ}\text{C}$	T6 / 70°C
	30W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +36^{\circ}\text{C}$	T6 / 70°C
EXgate™ 215 * R **	20W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +55^{\circ}\text{C}$	T5 / 95°C
	26W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +40^{\circ}\text{C}$	T6 / 70°C
	30W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +36^{\circ}\text{C}$	T6 / 70°C
EXgate™ 215 * 0 D **	15W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$	T6 / 70°C
	20W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +46^{\circ}\text{C}$	T6 / 70°C
	26W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +41^{\circ}\text{C}$	T6 / 70°C
	30W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +36^{\circ}\text{C}$	T6 / 70°C
EXgate™ 215 * 0 P ** EXgate™ 215 * 0 W **	3.5W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +72^{\circ}\text{C}$	T6 / 80°C
	9W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +68^{\circ}\text{C}$	T6 / 80°C
	15W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$	T6 / 80°C
	20W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +56^{\circ}\text{C}$	T6 / 80°C
	26W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +51^{\circ}\text{C}$	T6 / 80°C
	30W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +46^{\circ}\text{C}$	T6 / 80°C
EXgate™ 215 * 0 T **	3.5W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +72^{\circ}\text{C}$	T6 / 80°C
	9W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +68^{\circ}\text{C}$	T6 / 80°C
	15W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$	T6 / 80°C
	20W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +56^{\circ}\text{C}$	T6 / 80°C
	26W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +51^{\circ}\text{C}$	T6 / 80°C
	30W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +46^{\circ}\text{C}$	T6 / 80°C
	20W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +71^{\circ}\text{C}$	T5 / 95°C
	26W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +66^{\circ}\text{C}$	T5 / 95°C
	30W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +61^{\circ}\text{C}$	T5 / 95°C
	26W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +71^{\circ}\text{C}$	T4 / 100°C
	30W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +66^{\circ}\text{C}$	T4 / 100°C

Model	Maximum power (dissipation)	Max Ambient temperature	T Class / surface temp.
EXgate™ 360 * 0 T **	35W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$	T6 / 80°C
	40W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$	T5 / 90°C
	45W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$	T5 / 90°C
	50W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$	T5 / 90°C
	55W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$	T5 / 90°C
	60W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$	T5 / 90°C
EXgate™ 360 * R T **	60W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +55^{\circ}\text{C}$	T5 / 95°C
	60W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +40^{\circ}\text{C}$	T6 / 80°C
EXgate™ 360 * R W **	35W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +55^{\circ}\text{C}$	T5 / 95°C
	40W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +54^{\circ}\text{C}$	T5 / 95°C

	45W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +52^{\circ}\text{C}$	T5 / 95°C
	50W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +49^{\circ}\text{C}$	T5 / 95°C
	55W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +42^{\circ}\text{C}$	T5 / 95°C
	60W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +40^{\circ}\text{C}$	T6 / 80°C
EXgate™ 360 * 0 W **	30W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$	T6 / 80°C
	35W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +58^{\circ}\text{C}$	T6 / 80°C
	40W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +54^{\circ}\text{C}$	T6 / 80°C
	45W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +52^{\circ}\text{C}$	T6 / 80°C
	50W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +49^{\circ}\text{C}$	T6 / 80°C
	55W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +42^{\circ}\text{C}$	T6 / 80°C
	60W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +40^{\circ}\text{C}$	T6 / 80°C
EXgate™ 360 * R P **	20W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +55^{\circ}\text{C}$	T5 / 95°C
	30W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +53^{\circ}\text{C}$	T5 / 95°C
	35W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +48^{\circ}\text{C}$	T5 / 95°C
	40W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +44^{\circ}\text{C}$	T5 / 95°C
	45W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +42^{\circ}\text{C}$	T5 / 95°C
	50W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +39^{\circ}\text{C}$	T6 / 80°C
	55W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +32^{\circ}\text{C}$	T6 / 80°C
	60W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +30^{\circ}\text{C}$	T6 / 80°C
EXgate™ 360 * 0 P **	10W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$	T6 / 80°C
	20W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +58^{\circ}\text{C}$	T6 / 80°C
	30W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +53^{\circ}\text{C}$	T6 / 80°C
	35W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +48^{\circ}\text{C}$	T6 / 80°C
	40W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +44^{\circ}\text{C}$	T6 / 80°C
	45W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +42^{\circ}\text{C}$	T6 / 80°C
	50W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +39^{\circ}\text{C}$	T6 / 80°C
	55W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +32^{\circ}\text{C}$	T6 / 80°C
	60W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +30^{\circ}\text{C}$	T6 / 80°C