



## EXH Atex Camera housing

### Mode de protection:

Type de protection:	EX II 2 G Ex d IIC T6 Gb EX II 2 D Ex tb IIIC T85°C Db
Classe de température:	T6
Indice de protection:	IP66
Temp ambiante :	-40/+50°C
Zones :	1-2-21-22



### Description:

The EXH housings are made with strong Anticorodal aluminium die-cast alloy of AISi Mg EN AB- 42000 group.  
All external components are stove enameled using powder offering an excellent resistance to UV rays, salt-spray, environment polluting substances.  
The cylindrical body of the EXHC housing (210mm diameter and 400mm length) is closed on opposite sides by two 12 mm thick flanges. The housing is supplied with two holes for the 3/4" NPT cable glands. The camera housing is equipped with heater and optional sunshield.

### Technical data :

#### General

Non-corrosive die-cast aluminium (anticorodal)  
Epoxy powder painted with orange peel effect,  
RAL7032

#### Mechanical

holes for cable glands 3/4" NPT

#### Sunshade in option

External dimensions:	EXHC Ø 210x427.5mm
Internal dimensions:	EXHC Ø 180x380mm
Internal usable area:	EXHC 100x100x280mm
Net weight:	15Kg

#### Glass window

- Material: Tempered glass
- Dimensions: Ø 114mm

#### Électrical

Reinforced heater: Ton 15°C±4°C (59°F±7°F), Toff 22°C±3°C (72°F±5°F)

- 3 resistors in the housing, consumption 60W max

#### Devices to install inside the housing

- Camera equipped with lens with max total power of 20W
- Power supply max 24Vac or 230Vac
- Useful volume for camera / lens: 2800cm<sup>3</sup>
- Minimum distance between the walls of the housing and the camera/lens: 12mm

#### Environment

Indoor/Outdoor  
Operating temperature with heating: -40°C / +50°C (-40°F/+122°F)  
*Always refer to the temperature in the marking..*

#### Certifications

ATEX (EN 60079-0: 2009, EN 60079-1: 2007, EN 60079-31: 2009):  
EX II 2 G Ex d IIC T6 Gb Ta -40°C to +50°C  
EX II 2 D Ex tb IIIC T85°C Db IP66Ta -40°C to +50°C

IECEX (IEC 60079-0: 2007 Ed.6, IEC 60079-1: 2007, IEC 60079-31: 2008 ):  
Ex d IIC T6 Gb Ta -40°C to +50°C  
Ex tb IIIC T85°C Db Ta -40°C to +50°C  
IP66/IP67 (EN60529:1991/A1 2001)

#### EAC EX:

Ex II 2G Ex d IIC T6 Gb,-40°C/+50°C  
EX II 2D Ex t IIIC T85°C Db -40°C/+50°C, IP66

KCs 16-KA4BO-0057 -16-KA4BO-0058  
Ex d IIC T6  
Ex tb IIIC T85°C





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### Accessories :

EXHS000	Sunshield 650mm for EXH series
OCTE X3/4C	Cable gland in nickel-plated brass with gasket EX 3/4" NPT unarmoured cable IECEX-ATEX-EAC Ex
OCTE XA3/4C	Cable gland in nickel-plated brass with gasket EX 3/4" NPT, armoured cable IECEX-ATEX-EAC Ex
OCTE XB3/4C	Barrier cable gland in nickel-plated brass 3/4" NPT unarmoured cable IECEX-ATEX-EAC Ex
OCTE XBA3/4C	Barrier cable gland in nickel-plated brass 3/4" NPT armoured cable IECEX-ATEX-EAC Ex
OCTE X3/4	Cable gland in nickel-plated brass with gasket EX 3/4" NPT unarmoured cable ATEX
OCTE XA3/4	Cable gland in nickel-plated brass with gasket EX 3/4" NPT armoured cable ATEX
OCTE XB1/2C	Cable gland in nickel-plated brass EX 1/2" NPT, unarmoured cable IECEX-ATEX-EAC Ex, with gasket from 3 to 8mm (0.12 to 0.31in)
OCTE X1/2C	Cable gland in nickel-plated brass EX 1/2" NPT, unarmoured cable IECEX-ATEX-EAC Ex, with gasket from 3 to 8mm (0.12 to 0.31in)
OCTE XS1/2C	Cable gland in nickel-plated brass EX 1/2" NPT, unarmoured cable IECEX-ATEX-EAC Ex, with gasket from 7.5 to 11.9mm (3 to 4.7in)
OCTE X1/2-3/4C	Cable glands reduction in nickel-plated brass 3/4" - 1/2" NPT IECEXATEX- EAC Ex
OCTEXP3/4C	Conduit cable gland nickel-plated brass 3/4" NPT IECEX-ATEX-EAC EX
OEXPLUG3/4	Plug EX 3/4" NPT IECEX-ATEX-EAC Ex

### BRACKETS AND ADAPTORS:

EXWBJ000	Bracket and ball joint RAL7032 for EXH series
EXBJ000	Only ball joint for EXH RAL7032 housings

### Sparte parts :

OEXVETN	Complete front flange with glass for EXHC
OSLIEX	Internal slide complete with heater for EXHC

### Package :

Référence	EXHC003R
Poids	17.5Kg
Dimensions (WxHxL)	610x320x310mm



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Schéma :

1/2" NPT CABLE GLAND SELECTION GUIDE						
Zone, Gas	Cable gland type	Certification	Operating temperature	Cable	Cable glands part code	Diameter of the external cable (mm)
IIC, Zone 1 or Zone 2 IIB or IIA, Zone 1	Barrier	IECEX/ATEX/EAC Ex	-60°C / +80°C (-76°F / +176°F)	Not armoured	OCTEXB1/2C	3 - 8
IIB or IIA, Zone 2	With gasket	IECEX/ATEX/EAC Ex	-60°C / +100°C (-76°F / +212°F)	Not armoured	OCTEX1/2C	3 - 8
				Not armoured	OCTEXS1/2C	7.5 - 11.9

3/4" NPT CABLE GLAND SELECTION GUIDE							
Zone, Gas	Cable gland type	Certification	Operating temperature	Cable	Cable glands part code	Diameter of the external cable (mm)	Under armor cable diameter (mm)
IIC, Zone 1 or Zone 2 IIB or IIA, Zone 1	Barrier	IECEX/ATEX/EAC Ex	-60°C / +80°C (-76°F / +176°F)	Not armoured	OCTEXB3/4C	13 - 20.2	-
				Armored	OCTEXBA3/4C	16.9 - 26	-
IIB or IIA, Zone 2	With gasket	IECEX/ATEX/EAC Ex	-60°C / +100°C (-76°F / +212°F)	Not armoured	OCTEX3/4C	13 - 20.2	-
				Armored	OCTEXA3/4C	16.9 - 26	11.1 - 19.7
		ATEX	-20°C / +80°C (-4°F / +176°F)	Not armoured	OCTEX3/4	14 - 17	-
				Armored	OCTEXA3/4	18 - 23	14 - 17

Sizes in millimeters..

