



EX-PROOF HOUSING













EXHC + EXHS000 + EXWBJ

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.

CERTIFICATIONS









MAIN FEATURES

Certifications Ex d for use in Zone 1 and 2, Group IIC (Gas), and in Zone Ex tb 21 and 22 (Dust)

Solid anticorodal aluminium construction

IP66

2 holes for cable glands 3/4" NPT

Supplied with heater. Sunshield as option.

Ambient temperature: -40°C/+50°C (-40°C/+122°F) with reinforced heater



GENERAL	
Non-corrosive die-cast aluminium (anticorodal)	
Enough nousday pointed with arongo pool offect DAL7022	

poxy powder painted with orange peel effect, RAL7032	
MECHANICAL	
holes for cable glands 3/4" NPT	
cternal dimensions:	
• EXHC Ø 210mmx427.5mm (8.2x16.8in)	
ternal dimensions:	
• EXHC Ø 180x380mm (7x14.9in)	
iternal usable area:	
• EXHC 100x100x280mm (3.9x3.9x11in)	
lass window extra clear:	
• EXHC Ø 114mm (4.5in)	
nit weight:	
• EXHC 15kg / 33lb	

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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

Glass protection device:

• 24Vac, power consumption 2W max

Devices to install inside the housing

- Camera equipped with lens with max total power of 20W
- Voltage max. 24Vac or 230Vac
- Useful volume for camera / lens: 2800cm³
- Minimum distance between the walls of the housing and the camera/lens: 12mm

ENVIRONMENT

For installation indoors and outdoors

Operating temperature with heating: -40°C / +50°C (-40°F/+122°F)

 ${\it Always \, refer \, to \, the \, temperature \, in \, the \, marking.}$

CERTIFICATIONS

Electrical safety (CE): EN62368-1

Electromagnetic compatibility (CE): EN601000-6-3, EN61000-3-2, EN61000-3-3,

EN50130-4, EN55032 (Class B)

RoHS (CE): EN50581

Outdoor installation (CE): EN60950-22, ICE60950-22

IP protection degree (EN/IEC60529): IP66

CERTIFICATIONS - EXPLOSION-PROOF APPLICATIONS

ATEX (EN 60079-0+A11, EN 60079-1, EN 60079-31)

IECEx (IEC 60079-0, IEC 60079-1, IEC 60079-31)

EAC EX (TR CU 012/2011)

KCs (Employment and labor department 2016-54)

For further details on certifications and markings, consult the relevant table.

BRACKETS AND	ADAPTORS
EXWBJ000	Bracket and ball joint RAL7032 for EXH series
EXBJ000	Only ball joint for EXH RAL7032 housings
ACCESSORIES	
EXHS000	Sunshield 580mm (22.8in) for EXH series
OCTEX3/4C	Cable gland in nickel-plated brass with gasket EX 3/4" NPT, unarmoured cable IECEX-ATEX-EAC Ex
OCTEXA3/4C	Cable gland in nickel-plated brass with gasket EX 3/4" NPT, armoured cable IECEX-ATEX-EAC Ex
OCTEXB3/4C	Barrier cable gland in nickel-plated brass 3/4" NPT, unarmoured cable IECEX-ATEX-EAC Ex
OCTEXB3/4P	Barrier cable gland in nickel-plated brass EX 3/4" NPT, unarmoured cable IECEX-ATEX-EAC Ex
OCTEXBA3/4P	Barrier cable gland in nickel-plated brass EX 3/4" NPT, armoured cable IECEX-ATEX-EAC Ex
OCTEXBA3/4C	Barrier cable gland in nickel-plated brass 3/4" NPT, armoured cable IECEX-ATEX-EAC Ex
OCTEX3/4	Cable gland in nickel-plated brass with gasket EX 3/4" NPT, unarmoured cable ATEX
OCTEXA3/4	Cable gland in nickel-plated brass with gasket EX 3/4" NPT, armoured cable ATEX
OCTEXB1/2C	Barrier cable gland in nickel-plated brass EX 1/2" NPT, unarmoured cable IECEX-ATEX-EAC Ex
OCTEXB1/2P	Barrier cable gland in nickel-plated brass EX 1/2" NPT, unarmoured cable IECEX-ATEX-EAC Ex
OCTEXBA1/2P	Barrier cable gland in nickel-plated brass EX 1/2" NPT, armoured cable IECEX-ATEX-EAC Ex
OCTEX1/2C	Cable gland in nickel-plated brass EX 1/2" NPT, unarmoured cable IECEX-ATEX-EAC Ex
OCTEXS1/2C	Cable gland in nickel-plated brass EX 1/2" NPT, unarmoured cable IECEX-ATEX-EAC Ex
OCTEXA1/2C	Cable gland in nickel-plated brass EX 1/2" NPT armoured cable IECEX-ATEX-EAC Ex
OCTEX1/2-3/4P	Cable glands reduction in nickel-plated brass Ex 3/4" - 1/2" NPT IECEX-ATEX-EAC Ex
OCTEXP3/4C	Conduit cable gland nickel-plated brass 3/4" NPT IECEX-ATEX- c CSA us - EAC Ex (operating temperature: from -60°C (-76°F) up to $+80$ °C (+176°F))
OEXPLUG1/2P	Plug EX 1/2" NPT IECEX-ATEX-EAC Ex
OEXPLUG3/4P	Plug EX 3/4" NPT IECEX-ATEX-EAC Ex
For further details o	about cable glands part numbers, please refer to the relevant table.

SPARE PARTS	
OEXVETN	Complete front flange with glass for EXHC and EXPTC series
OSLIEX	Internal slide complete with heater for EXHC and EXPTC series
PACKAGE	

Dimensions (WxHxL)

61x32x31cm (24x12.6x12.2in)

Master carton

Model Number

EXHC003R

Weight

17.5kg (39lb)



SELECTION DIAGRAM FOR CABLE GLANDS AND ACCESSORIES 1/2 NPT							
Туре	Certification	Operating temperature	Cable	Model Number	Diameter of the external cable	Under armor cable diameter	
Barrier cable gland I	IECEX/ATEX/EAC Ex	-60°C / +80°C (-76°F / +176°F)	Unarmoured cable	OCTEXB1/2C	3.0 - 8.0mm (0.12-0.31in)	-	
		-60°C (-76°F) / +135°C (275°F)	Unarmoured cable	OCTEXB1/2P	12.5 - 14.0mm (0.5-0.55in)	-	
			Armoured cable	OCTEXBA1/2P	15.5 - 21.1mm (0.61-0.83in)	_	
Cable gland with gasket	IECEX/ATEX/EAC Ex	-60°C/+100°C (-76°F/+212°F)	Unarmoured cable	OCTEX1/2C	3.2 - 8.0mm (0.12-0.31in)	_	
			Unarmoured cable	OCTEXS1/2C	6.5 - 11.9mm (0.26 - 0.47in)	-	
			Armoured cable	OCTEXA1/2C	12.5 - 20.5mm (0.49 - 0.8in)	10 - 14.3mm (0.4 - 0.56in)	
Plug EX 1/2"NPT	IECEX/ATEX/EAC Ex	-100°C (-148°F) / +400°C (752°F)	-	OEXPLUG1/2P	-	_	

Туре	Certification	Operating temperature	Cable	Model Number	Diameter of the external cable	Under armor cable diameter
Barrier cable gland	IECEX/ATEX/EAC Ex	-60°C / +80°C (-76°F / +176°F)	Unarmoured cable	OCTEXB3/4C	13.0 - 20.2mm (0.51-0.79in)	-
			Armoured cable	OCTEXBA3/4C	16.9 - 26.0mm (0.66-1.02in)	-
		-60°C (-76°F) / +135°C (275°F)	Unarmoured cable	OCTEXB3/4P	17.8 - 20.0mm (0.70-0.79in)	-
			Armoured cable	OCTEXBA3/4P	16.8 - 23.9mm (0.66-0.94in)	-
Cable gland with gasket	IECEX/ATEX/EAC Ex	-60°C / +100°C (-76°F / +212°F)	Unarmoured cable	OCTEX3/4C	13.0 - 20.2mm (0.51-0.79in)	-
		-60°C / +80°C (-76°F / +176°F)	Armoured cable	OCTEXA3/4C	16.9 - 26.0mm (0.66-1.02in)	11.1 - 19.7mm (0.44 - 0.78in)
	ATEX	-40°C / +100°C (-40°F / +212°F)	Unarmoured cable	OCTEX3/4	14.0 - 17.0mm (0.55-0.67in)	-
			Armoured cable	OCTEXA3/4	18.0 - 23.0mm (0.71-0.91in)	14 - 17mm (0.55 - 0.67in)
Plug EX 3/4"NPT	IECEX/ATEX/EAC Ex	-100°C (-148°F) / +400°C (752°F)	-	OEXPLUG3/4P	_	-
Conduit sealing fitting	IECEX-ATEX- c CSA us - EAC Ex	-60°C / +80°C (-76°F / +176°F)	-	OCTEXP3/4C	-	-
Reduction 3/4" NPT x 1/2" NPT	IECEX/ATEX/EAC Ex	-100°C (-148°F) / +400°C (752°F)	-	OCTEX1/2-3/4P	-	-

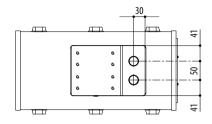
EXH CERTIFICATIONS AND MARKINGS				
Certification	Marking			
ATEX	 ⊕ II 2G Ex d II C T6 Gb ⊕ II 2D Ex t III C T85 °C Db IP66 			
IECEx	Ex d IIC T6 Gb Ex t IIIC T85 °C Db IP66			
EAC EX	Ex II 2G Ex d IIC T6 Gb,-40°C/+50°C EX II 2D Ex t IIIC T85°C Db -40°C/+50°C, IP66			
KCs	Ex d IICT6 Ex tb IIICT85°C			

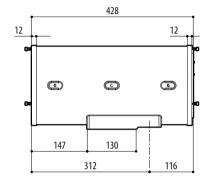
AVAILABLE MODELS						
Model Number	Housing heater 24Vac	Housing heater 230Vac	Reinforced heater	Glass protection device	Ambient temperature	
EXHC003R	✓	_	✓	_	-40°C / +50°C (-40°F/+122°F)	
EXHC203R	_	✓	✓	-	-40°C / +50°C (-40°F/+122°F)	

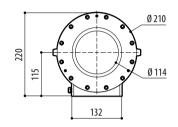


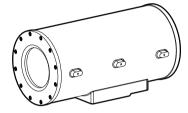
TECHNICAL DRAWINGS

The indicated measurements are expressed in millimetres.









EXHC