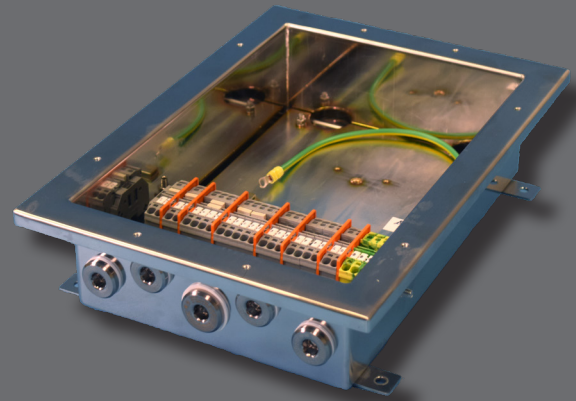


COEX™ Hazardous-Area Junction Box

JB-EXJB

The COEX™ Junction Box has been developed to work exclusively with the C3000 range of camera stations, providing cable termination for hazardous-area applications.



The Junction Box has been designed for both toughness and durability as demanded for operation in the most adverse of environments.

The 316L stainless steel enclosure eliminates the need for an Ex d junction box. The ExJB range is unique in its ability to incorporate terminals and the option for management of fiber optic cores without the need for an expensive Ex d junction box.

Features

- Ex eb increased safety rating
- Enclosed system ensures high performance, and certified for temperatures from -55°C to +70°C ambient temperature
- Electro-polished 316L stainless steel, for maximum corrosion resistance
- IP66 and IP67 Rated

Options

- Fiber splice provision with ST or SC connector configuration
- Lockable front cover
- Painted finish on external surfaces
- Removable sunshield
- Various voltage options
- Various size options
- Certified enclosure breather

Specifications

CERTIFICATIONS / RATINGS*1	
ATEX/IECEX/UKCA	II 2 GD, Ex eb IIC [IIB] T6 [T5] Gb and Ex tb IIIC T85°C [T95°C] Db
EMC	EN61000-6-4 & EN61000-6-2
DNV	TAA00001M2
INMETRO	BRA 21.GE0019X
ENVIRONMENTAL [OPTIONS]	
Operating Temperature*2	-55°C to +60°C [+70°C] / -67°F to 140°F [158°F]
Storage Temperature	-55°C to +80°C / -67°F to 176°F
Ingress Protection*1	IP66 & IP67 to IEC 60529
Salt Mist	Tested to IEC 60068-2-52 & IEC 60945 Section 8.12
Vibration	0.7 g test to IEC 60068-2-6 & IEC 60945
Wind Loading	Operational to 130 km/h, survival to 200 km/h
MECHANICAL [OPTIONS]	
Material	Electro-polished 316L stainless steel
Enclosure Paint	Available on request
Dimensions (W x D x H)	[Size 3] 268 x 88 x 366 mm / 10.55" x 3.46" x 14.4" [Size 5] 444 x 131 x 444 mm / 17.48" x 5.16" x 17.48"
Weight Empty	[Size 3] 4.9 kg / 8.59 lbs [Size 5] 8.9 kg / 19.62 lbs
Weight Populated*2	[Size 3] 6.1 kg / 13.52 lbs [Size 5] 11.1 kg / 29.22 lbs
Mounting	[Size 3] 4 x Ø 6.5 mm / Ø 0.26" holes (Fixing kit included) [Size 5] 4 x Ø 9 mm / Ø 0.35" holes (Fixing kit included)
Standard Gland Entries*2	[Size 3] 4 x M20 and 1 x M25 [Size 5] 4 x M20 and 2 x M25
Fiber Splice Provision*2	[Up to 12x splice protectors]
ELECTRICAL [OPTIONS]	
Input Power Options	24 V AC 50/60 Hz 24 V DC 115 V AC 50/60 Hz 230 V AC 50/60 Hz
Forward Power Rating	350 VA Maximum
Termination Clamp*2	[Wago Topjob S] Push-in Cage Clamp [Weidmuller WDU] Screw type [Weidmuller WDU SL] Screw + spring loaded cable clamp
Conductor Size (Stranded & Solid)*2	0.5 mm ² - 16 mm ² / 22 - 6 AWG
Typical Terminal Arrangement*2	WAGO Topjob S [Size 3] 23 + 2E (2004 - 0.5 mm ² to 6 mm ²) [Size 5] 32 + 3E (2004 - 0.5 mm ² to 6 mm ²)

NOTE: *1 Exact certification requirements must be specified at the time of order. *2 Dependent on certification and equipment fitted.

PART CODE STRUCTURE

(Example) JB - EXJB-3SS

A - B C

A - PRODUCT MODE	
JB	Junction Box

B - JUNCTION BOX MODEL	
EXJB-3SS	Stainless Steel Size 3
EXJB-5SS	Stainless Steel Size 5

C - COMMUNICATIONS INTERFACE	
None	
F	Fiber