

IQV-EX-JB Series

316L Stainless Steel, IP66/IP68/IP69, ATEX & IECEx Certified

The IQV-EX-JB Series explosion-proof junction box is designed to provide safe and reliable cable termination for surveillance systems installed in hazardous environments. Constructed from durable stainless steel, the enclosure supports power, network, and fiber-optic connections for explosion-proof cameras and associated equipment. With IP66, IP68, and IP69 ingress protection ratings, the enclosure provides excellent resistance to dust, water, and harsh industrial conditions. It is suitable for use in oil & gas facilities, chemical plants, marine environments, and other hazardous industrial locations.



Additional Features

- Certification for Hazardous Areas
- Explosion-proof Enclosure suitable for Hazardous Area installations
- Protection Level of IP66/68/69
- Supports multiple connection configurations for flexible installation
- Stainless Steel 316L Corrosion-Resistant Enclosure
- Rugged Weatherproof construction for Harsh Industrial environments
- Supports Power, Network, and Fiber Optic Connectivity



TECHNICAL INFORMATION

GENERAL & MECHANICAL	
Ambient Temperature	-60°C to +60°C
Ingress Protection	IP66 & IP68(2m/2h) & IP69
Operating Voltages	AC 100–240V / AC 24V (50/60Hz); DC 24V / DC 12V / PoE++ (48V DC); ≤ 10A
Material	AISI316L Stainless Steel
Finishing	Optional: Electro-polished / Painting
Relative Humidity	≤95% RH (non-condensing, at +25 °C)
Atmospheric Pressure	80kPa to 110kPa
Installation Altitude	≤2000m above sea level
Dimensions (W x D x H)	Kindly refer to individual dimensions for each model.
Weight	Approximately 4.39 kg / 9.68lbs
Number of Cable Entries	4
Cable Entry Thread	M20×1.5 / M25×1.5 / M27×1.25 / M32×1.5
Cable Gland Option	Integral cable gland with elastomeric sealing ring (optional)
Mounting Method	Fixed base mounting

CERTIFICATIONS & RATINGS	
Rating	Ex db IIC T6 Gb, Ex tb IIIC T80°C Db
IECEx Standards	IEC60079-0:2017, IEC60079-1:2014, IEC60079-31: 2022
ATEX	EN60079-0, EN60079-1, EN60079-31
INTERNAL COMPONENT	
Power Module	12V / 24V DC Output
Power Input	3P Terminal Junction
Power Output	3P Terminal Junction
Optical Transceiver	Single-Fiber Optical Transceiver
Optical Fiber Interface	2 x Fiber Optic Flange Connector
Fiber Splice	2 x Fiber Splice Trays