



DAJC Series

Ex db IIC
Ex tb IIIC

IP 66

5 different sizes

Zone 1 , 2, 21, 22

IK10 mechanical strength

Earth connection

Enclosure made of Copper-free Aluminum Alloy

O-ring resistant to acids and high temperature

Technical Data

Explosion Protection	
Marking	Ex db IIC Gb
	Ex tb IIIC Db
ATEX	Under certificate
IECEx	Under certificate
Conformity to standards	EN 60079-0, EN 60079-1, EN 60079-31, IEC 60079-0, IEC 60079-1, IEC60079-31
Enclosure material	Copper-free Aluminum Alloy
Certification lable	stainless steel label is riveted onto the cover
Lock screw	Stainless steel
Rated voltage	690 V AC
Rated current	1200 A
Ambient temperature	-30 °C to +55 °C
Internal & external Earthing	M5/M6
Ingress protection	65/66
Coating	Electrostatic powder coating

ED.2024/0

DAJC Series

The DAJC series junction boxes are highly recommended for installing terminals due to their spacious design, facilitating easy access for operators. However, the compact wall area may limit drilling options. These junction boxes are ideal for use in plants where there is a potential risk of explosion and/or fire, or in areas with combustible dust, classified as Zone 1, 2, 21, 22. This product is esteemed globally for its specific aluminum alloy construction and excellent mechanical properties of its finishes.

The DAJC series is utilized in environments with group IIC gases and serves as a versatile enclosure for terminals, fuse carriers, transformers, reactors, and barriers. Additionally, it is employed in the fabrication of control and signaling boards, light and power boards, and motor starter boxes, all tailored to meet the diverse needs of our global clientele. The DAJC series is equipped with a threaded lid and a tempered glass viewing window.



Type & application

Selecting the right enclosure is a critical stage in project development, requiring a systematic approach to decision-making. It is crucial to methodically evaluate all variables, including the installation location of our equipment, the specific environmental conditions at the site, the necessary level of protection, available space, and the intended setup. By thoroughly analyzing this information, you can identify the product that best aligns with the design requirements under consideration.

Environmental condition

The primary consideration is the environmental conditions in which the equipment will be installed, including whether it will be situated indoors or outdoors, and the specific operational requirements within various industries such as pharmaceutical, chemical, petrochemical, food, shipbuilding, and agricultural sectors.

Design

Considering the technical aspect, it is crucial to emphasize that product design and appearance play a vital role in ensuring the seamless integration of equipment within the enclosure. The Mittex team of experts is available daily to assist with your inquiries and provide optimal solutions.

Mittex enclosures have passed:

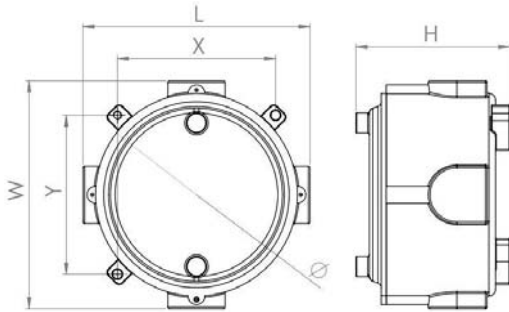
- IP protection testing;
- salt mist testing for corrosion resistance
- low temperature resistance testing
- IK strength testing
- heat resistance testing

Selection Table

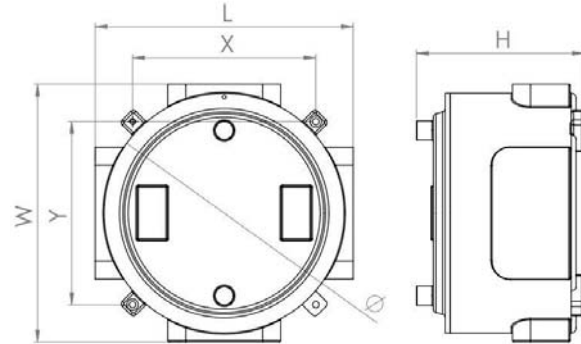
Mounting

Model	Outside Dimensions				Mounting	
	L(mm)	W(mm)	H(mm)	Φ (mm)	X(mm)	Y(mm)
DAJC 0909	102	102	95	90	74	74
DAJC 1209	132	132	95	120	95	95
DAJC 1510	162	162	105	150	119	119
DAJC 2014	212	212	142	200	155	155
DAJC 3623	300	300	230	360	278	278

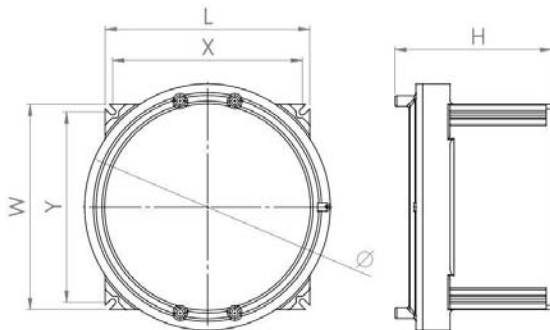
Dimensional Drawing



DAJC0909/DAJC1209



DAJC1510/DAJC2014



DAJC3623

DAJC Series

Accessories available on request

- Internal anti-condensation coating
- Breather valve; Drain valve
- Internal mounting plate
- Earth screws in stainless steel
- Threaded holes according to entries table
- Thread Options:
 - NPT thread ANSI B1.20.1
 - Metric threads ISO 261/965

Entries

Model	Metric	M16	M20	M25	M32	M40	M50	M63
	NPT	$\frac{3}{8}"$	$\frac{1}{2}"$	$\frac{3}{4}"$	1"	1 $\frac{1}{4}"$	1 $\frac{1}{2}"$	2"
DAJC0909	Each side	1	1	1	-	-	-	-
DAJC1209	Each side	1	1	1	-	-	-	-
DAJC1510	Greater side	3	3	2	2	-	-	-
	Smaller Side	2	2	1	1	-	-	-
DAJC2014	Greater side	6	3	3	2	1	-	-
	Smaller Side	3	2	2	2	-	-	-
DAJC3624	Each side	24	18	15	8	5	3	2

monitoring and signaling units

Control, monitoring, and signaling units are crucial for creating control boards that ensure the safe operation of the electrical system and the well-being of personnel during maintenance activities. Equipped with a Manual/Automatic selector, these units enable operators to select the necessary settings for safe and efficient work. They play a significant role in safeguarding electrical equipment and control circuits in hazardous and challenging environments. These units house a variety of components such as switches, indicators, contactors, transformers, analog and digital devices, etc. Additionally, they can be externally controlled with body-mounted Mittex signaling devices like control levers, pushbuttons, and indicator lights. Mittex specializes in designing, developing, and supplying customized cabling solutions for one or more enclosures, including complex panel boards, and offers comprehensive inspection and testing services upon request.

Features of equipment that can be installed inside enclosures to produce control and monitoring units

List of standard electrical specifications for components suitable for installation in enclosures to create control, monitoring, and signaling units.

(The figures are sourced from the catalogs of reputable manufacturers of electrical and electronic components in the market)

Component type	Max. Voltage(V)	Max. Current(A)	Max. power(W)
Analogue and digital instruments	660	5	10
Circuit breakers	660	650	-
Fuses	660	400	-
Relays	500	10	12
Contactors	660	650	30
Timers	240	10	5
Reactors	250	7	40
Electronic inverters/reactors	400	-	10
PLCs Multiplexers and amplifiers	240	-	80
Testing and measuring devices	240	-	100
Electronic control devices	660	-	100
Twilight relays	240	-	2
Resistors	240	-	300
Transformers	660	-	200
Capacitors	660	-	-
Terminals	660	-	-