

## Technical Information:

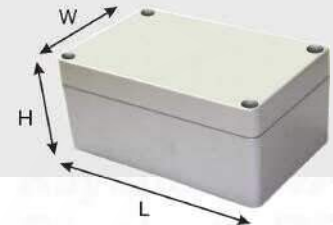
<b>Material</b>	: AlSi12, as per DIN EN 1706
<b>Components</b>	: Fastening threads M4 / M6 in the enclosure bottom
<b>Ingress protection</b>	: IP66 / IP67 / IP68 as per IEC 60529
<b>Gasket</b>	: Neoprene gasket (-40°C to +110°C)
<b>Lid Screws</b>	: Stainless Steel 1.4301 (A2), captive
<b>Surface</b>	: Painted / Non-Painted
<b>Standard Color</b>	: RAL 7001, 7031, 7032, 7035, 7038 Black RAL 9004



## Optionally available:

External Mounting Bracket	: Stainless Steel 1.4301 (A2)
Mounting Plates	: Sheet Steel, galvanized
Gasket	: Silicon gasket (-50°C to +135°C)
Surface	: Special Colours on request
Certified	: CE, UL, RMRS, RETIE & RoHS

# ALUMINIUM STANDARD ENCLOSURE



Product Code	Y-->Yes			Standard Accessories							Certification				
	External Dimensions (mm)			Mounting Plate	M6 External Brackets	External Hinges	Internal Hinge	DIN rail for terminals		Silicon Gasket	IP 66	IP 67	IP 68	Impact Test IK	EMC
	Length	Width	Height					TS15	TS35						
RJ01	50	45	30	-	-	-	-	-	-	Y	Y	Y	Y	IK09	Y
RJ02	98	64	34	-	-	-	-	-	-	Y	Y	Y	Y	IK09	Y
RJ03	150	64	34	-	-	-	-	-	-	Y	Y	Y	Y	IK09	Y
RJ04	58	64	34	-	-	-	-	-	-	Y	Y	y	Y	IK09	Y
RJ05	75	80	57	Y	-	-	-	Y	-	Y	Y	Y	Y	IK09	Y
RJ06	125	80	57	Y	-	-	-	Y	-	Y	Y	Y	Y	IK09	Y
RJ07	175	80	57	Y	-	-	-	Y	-	Y	Y	Y	Y	IK09	Y
RJ08	250	80	57	Y	-	-	-	Y	-	Y	Y	Y	Y	IK09	Y
RJ09	100	100	81	Y	Y	Y	-	Y	-	Y	Y	Y	Y	IK09	Y
RJ10	160	100	81	Y	Y	Y	-	Y	-	Y	Y	Y	Y	IK09	Y
RJ11	122	120	81	Y	Y	Y	-	-	Y	Y	Y	Y	Y	IK09	Y
RJ21	220	120	81	Y	Y	Y	-	-	Y	Y	Y	Y	Y	IK09	Y
RJ22	122	120	91	Y	Y	Y	-	-	Y	Y	Y	Y	Y	IK09	Y
RJ12	220	120	90	Y	Y	Y	-	-	Y	Y	Y	Y	Y	IK09	Y
RJ36	140	140	90	Y	Y	Y	Y	-	Y	Y	Y	Y	Y	IK09	Y
RJ37	200	140	90	Y	Y	Y	Y	-	Y	Y	Y	Y	Y	IK09	Y
RJ15	160	160	91	Y	Y	Y	Y	-	Y	Y	Y	Y	Y	IK09	Y
RJ13	260	160	90	Y	Y	Y	Y	-	Y	Y	Y	Y	Y	IK09	Y
RJ14	360	160	90	Y	Y	Y	Y	-	Y	Y	Y	Y	Y	IK09	Y
RJ28	180	180	100	Y	Y	Y	Y	-	Y	Y	Y	Y	Y	IK09	Y
RJ29	280	180	100	Y	Y	Y	Y	-	Y	Y	Y	Y	Y	IK09	Y
RJ19	200	230	110	Y	Y	Y	Y	-	Y	Y	Y	Y	Y	IK09	Y
RJ17	280	230	110	Y	Y	Y	Y	-	Y	Y	Y	Y	Y	IK09	Y
RJ18	330	230	111	Y	Y	Y	Y	-	Y	Y	Y	Y	Y	IK09	Y
RJ30	200	230	180	Y	Y	Y	Y	-	Y	Y	Y	Y	Y	IK09	Y
RJ20	330	230	180	Y	Y	Y	Y	-	Y	Y	Y	Y	Y	IK09	Y
RJ31	400	310	110	Y	Y	Y	Y	-	Y	Y	Y	-	-	IK09	Y
RJ32	400	310	180	Y	Y	Y	-	-	Y	Y	Y	-	-	IK09	Y
RJ33	600	310	110	Y	Y	Y	-	-	Y	Y	Y	-	-	IK09	Y
RJ34	600	310	180	Y	Y	Y	-	-	Y	Y	Y	-	-	IK09	Y
RJ35	400	230	110	Y	Y	Y	-	-	Y	Y	Y	-	-	IK09	Y

Note: Viton gasket available on request

## Approvals:



## Assembly of Accessories:

Mounting Plates, Mounting Brackets, Internal Hinges, External Hinges.



## Technical Information:

<b>Material</b>	: AISi 12
<b>Surface</b>	: Plain or Powder Coated
<b>Lid Screw</b>	: Stainless Steel, Captive Screw
<b>Tighting Torque</b>	: M4 (2 Nm to 3 Nm), M6 (3 Nm to 4 Nm)
<b>Service Temperature</b>	: -50°C to +135°C
<b>Mechanical Strength</b>	: Accordance with 60079-0, Impact Energy 7 Joules
<b>Protection Class</b>	: EN 60529, IP 66
<b>Compliance Standard</b>	: IEC/EN 60079-0, IEC/EN 60079-7 and IEC/EN 60079-31
<b>Process Control System</b>	: ISO 9001:2015, BS EN IEC ISO 80079-34:2011
<b>Color</b>	: Natural or RAL 7001
<b>Internal / External Earthing</b>	: 4 sqmm to 120 sqmm Internal and External



# ALUMINIUM EX ENCLOSURE

Model No. (Component)	Model No. (Equipment)	Dimension (mm)			Surface		Certification / Conformity	
		L	W	H	Natural	Painted	ATEX	IECEX
Ex-AJB-586434-U	Ex-E-AJB-586434	58	64	34	Y	Y	Y	Y
Ex-AJB-986434-U	Ex-E-AJB-986434	98	64	34	Y	Y	Y	Y
Ex-AJB-1506434-U	Ex-E-AJB-1506434	150	64	34	Y	Y	Y	Y
Ex-AJB-758057-U	Ex-E-AJB-758057	75	80	57	Y	Y	Y	Y
Ex-AJB-1258057-U	Ex-E-AJB-1258057	125	80	57	Y	Y	Y	Y
Ex-AJB-1758057-U	Ex-E-AJB-1758057	175	80	57	Y	Y	Y	Y
Ex-AJB-2508054-U	Ex-E-AJB-2508054	250	80	54	Y	Y	Y	Y
Ex-AJB-10010080-U	Ex-E-AJB-10010080	100	100	80	Y	Y	Y	Y
Ex-AJB-16010081-U	Ex-E-AJB-16010081	160	100	81	Y	Y	Y	Y
Ex-AJB-12212081-U	Ex-E-AJB-12212081	122	120	81	Y	Y	Y	Y
Ex-AJB-22012081-U	Ex-E-AJB-22012081	220	120	81	Y	Y	Y	Y
Ex-AJB-22012090-U	Ex-E-AJB-22012090	220	120	90	Y	Y	Y	Y
Ex-AJB-26016090-U	Ex-E-AJB-26016090	260	160	90	Y	Y	Y	Y
Ex-AJB-36016090-U	Ex-E-AJB-36016090	360	160	90	Y	Y	Y	Y
Ex-AJB-16016091-U	Ex-E-AJB-16016091	160	160	91	Y	Y	Y	Y
Ex-AJB-12212091-U	Ex-E-AJB-12212091	122	120	91	Y	Y	Y	Y
Ex-AJB-280230110-U	Ex-E-AJB-280230110	280	230	110	Y	Y	Y	Y
Ex-AJB-230200110-U	Ex-E-AJB-230200110	230	200	110	Y	Y	Y	Y
Ex-AJB-330230110-U	Ex-E-AJB-330230110	330	230	110	Y	Y	Y	Y
Ex-AJB-330230180-U	Ex-E-AJB-330230180	330	230	180	Y	Y	Y	Y
Ex-AJB-230200180-U	Ex-E-AJB-230200180	230	200	180	Y	Y	Y	Y

### COMPONENT

Ex II 2 G Ex e IIC Gb

Ex II 2 D Ex tb IIIC Db IP66

DEMKO 13 ATEX 1327771U

IECEX UL 13.0042U

### EQUIPMENT

CE 0539 Ex II 2 G Ex e IIC T5, T6 Gb

CE 0539 Ex II 2 D Ex tb IIIC T 85°C Db IP66

-50°C ≤ Ta ≤ +50°C, +65°C

DEMKO 14 ATEX 1318X

IECEX UL 14.0036X

## Approvals:



## Technical Information:

<b>Color</b>	RAL 7000 Grey	RAL 9011 Black
<b>Ingress protection</b>	IP 66 to EN 60529*	IP 66 to EN 60529*
<b>Impact resistance</b>	>7 Joules, in acc. with EN 60079-0	>7 Joules, in acc. with EN 60079-0
<b>Temperature range</b>	(Neoprene) seal : - 40°C to 80°C (Silicone) seal : -50°C to 100°C	(Neoprene) seal : - 40°C to 80°C (Silicone) seal : -50°C to 100°C
<b>Surface resistance</b>	>10 <sup>12</sup> Ohm	<10 <sup>9</sup> Ohm
<b>Flammability</b>	V0 / self-extinguishing, UL 94	V0 / self-extinguishing, UL 94
<b>Dielectric strength</b>	18 kV / mm	-
<b>Toxicity</b>	Free from halogen	Free from halogen

\*IP67, 68 also available on request



# GRP STANDARD ENCLOSURE

Model No.	Dimensions (mm)			Din Rail		Mounting plate	Allen lid screw	Sealable lid screw	External Mounting Bracket	External Hinge
	L	B	H	TS 15	TS 35					
GRJ01	80	75	55	Y	-	Y	Y	Y	Y	Y
GRJ02	110	75	55	Y	-	Y	Y	Y	Y	Y
GRJ03	122	120	90	-	Y	Y	Y	Y	Y	Y
GRJ05	160	75	55	Y	-	Y	Y	Y	Y	Y
GRJ06	160	75	75	Y	-	Y	Y	Y	Y	Y
GRJ07	160	160	90	-	Y	Y	Y	Y	Y	Y
GRJ09	190	75	55	Y	-	Y	Y	Y	Y	Y
GRJ11	220	120	90	-	Y	Y	Y	Y	Y	Y
GRJ12	255	250	120	-	Y	Y	Y	Y	Y	Y
GRJ13	260	160	90	-	Y	Y	Y	Y	Y	Y
GRJ14	360	160	90	-	Y	Y	Y	Y	Y	Y
GRJ15	400	250	120	-	Y	Y	Y	Y	Y	Y
GRJ16	400	405	120	-	Y	Y	Y	Y	Y	Y

## Approvals:



## Technical Information:

<b>Material</b>	: Glass reinforced polyester, Graphite added
<b>Color</b>	: Similar to RAL 9011 / Black
<b>Protection Class</b>	: IP66, EN 60529
<b>Surface resistance</b>	: < 10 <sup>9</sup> Ohm
<b>Mechanical Strength</b>	: Impact Energy >7 Joules, EN 60079 – 0
<b>Flammability</b>	: Self Extinguishing, UL 94 V0
<b>Service Temperature</b>	: -50°C to 100°C
<b>Compliance Standard</b>	: IEC /EN 60079-0, IEC/EN 60079-7 and IEC/EN 60079-31
<b>Process Control System</b>	: ISO 9001:2015, IEC 80079-34:2011



## GRP EX ENCLOSURE

Model No. (Component)	Model No. (Equipment)	Dimensions (mm)			Din Rail		Mounting Plate	Allen lid screw	External Mounting Bracket	External Hinge
		L	B	H	TS 15	TS 35				
Ex- GJB-807555-U	Ex- E-GRJ-807555	80	75	55	Y	-	Y	Y	Y	-
Ex- GJB-1107555-U	Ex- E-GRJ-1107555	110	75	55	Y	-	Y	Y	Y	-
Ex- GJB-12212090-U	Ex- E-GRJ-12212090	122	120	90	-	Y	Y	Y	Y	Y
Ex- GJB-1607555-U	Ex- E-GRJ-1607555	160	75	55	Y	-	Y	Y	Y	-
Ex- GJB-1607575-U	Ex- E-GRJ-1607575	160	75	75	Y	-	Y	Y	Y	-
Ex- GJB-16016090-U	Ex- E-GRJ-16016090	160	160	90	-	Y	Y	Y	Y	Y
Ex- GJB-1907555-U	Ex- E-GRJ-1907555	190	75	55	Y	-	Y	Y	Y	-
Ex- GJB-22012090-U	Ex- E-GRJ-22012090	220	120	90	-	Y	Y	Y	Y	Y
Ex- GJB-255250120-U	Ex- E-GRJ-255250120	255	250	120	-	Y	Y	Y	Y	Y
Ex- GJB-26016090-U	Ex- E-GRJ-26016090	260	160	90	-	Y	Y	Y	Y	Y
Ex- GJB-36016090-U	Ex- E-GRJ-36016090	360	160	90	-	Y	Y	Y	Y	Y
Ex- GJB-400250120-U	Ex- E-GRJ-400250120	400	250	120	-	Y	Y	Y	Y	Y
Ex- GJB-400405120-U	Ex- E-GRJ-400405120	400	405	120	-	Y	Y	Y	Y	Y

### COMPONENT

Ex II 2 G Ex e IIC Gb

Ex II 2 D Ex tb IIIC Db IP66

DEMKO 15 ATEX 1475U

IECEx UL 15.0045U

### EQUIPMENT

CE 0539 Ex II 2 G Ex e IIC T5, T6, T4 Gb

CE 0539 Ex II 2 D Ex tb IIIC T100°C Db IP66

-50°C ≤ Ta ≤ +40°C, +55°C, +70°C

DEMKO 15 ATEX 1621X

IECEx UL 15.0146X



## Approvals:





# STAINLESS STEEL ENCLOSURE

- The SSJ range, designed with cleanliness and ingress protection in mind, provides high resistance to corrosion and ensures performance of equipment.
- Intended for harsh environments, the SSJ range is the ideal solution for food and chemical industries, pharmaceutical plants, outdoor applications and marine environments.

### Included in delivery:

- Enclosure base with bracket clips and threaded hole for attachment of DIN rails,
- 4 mounting bosses with attachment holes and sealing plugs
- alternatively available without fastening holes, lid with stud bolts inside
- permanently attached lid screws.

## Technical Information:

<b>Material</b>	: Stainless steel 1.25 mm or 1.5 mm; 1.4301 / 304 / 316 other materials on request.
<b>Ingress Protection</b>	: IP 66 to EN 60529
<b>Seal</b>	: VMQ (Silicone)
<b>Surface</b>	: Grinded, grain 240 other surface on request
<b>Temperature Range</b>	: -40°C to +80°C

Product Code	Dimensions (mm)			Product Code	Dimensions (mm)		
	L	B	H		L	B	H
SSJ1	100	100	61	SSJ10	300	300	121
SSJ2	150	100	61	SSJ11	300	300	161
SSJ3	150	150	81	SSJ12	380	380	161
SSJ4	200	100	61	SSJ13	400	150	81
SSJ5	200	200	81	SSJ14	400	200	121
SSJ6	200	200	121	SSJ15	400	300	161
SSJ7	300	150	81	SSJ16	500	300	161
SSJ8	300	200	81	SSJ17	500	400	161
SSJ9	300	200	121	SSJ18	600	200	121

## Approvals:



# STAINLESS STEEL EX ENCLOSURE

### Technical Data for Empty Enclosure (U):

Explosion Protection : **Ex** II 1 GD  
 Ex ia IIC Ga  
 Ex ta IIIC Da IP66

**Ex** II 2 GD  
 Ex e IIC Gb  
 Ex tb IIIC Db IP66

Certificates : Sira 17ATEX3133U  
 Ingress Protection : IP 66 according to IEC 60529  
 Impact Resistance : 7 Joules (N-m)  
 Temperature Range : -20°C to +75°C (Neoprene)  
 -40°C to +110°C (EPDM)  
 -50°C to +185°C (Silicone)

### Technical Data for Terminal Enclosure (X):

Explosion Protection : **Ex** II 1 GD  
 Ex ia IIC T5/T6 Ga  
 Ex ta IIIC T85°C/T100°C Da IP66

**Ex** II 2 GD  
 Ex e IIC T5/T6 Gb  
 Ex tb IIIC T85°C/T100°C Db IP66

Ambient Temperature: -20°C, -40°C, -50°C or -55°C to +40°C,  
 +55°C or +65°C

Certificates : Sira 17ATEX3132X  
 IECEx SIR 17.0027X  
 Ingress Protection : IP 66 according to IEC 60529  
 Impact Resistance : 7 Joules (N-m)  
 Temperature Range : -20°C to T6/T85°C (Neoprene)  
 -40°C to T6/T85°C or T5/T100°C (EPDM)  
 -55°C to T6/T85°C or T5/T100°C (Silicone)



Product Code	'A' Height	'B' Width	'C' Depth	Product Code	'A' Height	'B' Width	'C' Depth
SJB 0	110	110	65	SJB 5	527	427	156
SJB 1	143	143	93	SJB 5B	530	530	150
SJB 151590	150	150	90	SJB 5C	527	527	210
SJB 191910	190	190	100	SJB 553615	550	360	150
SJB 2A	193	193	186	SJB 553620	550	360	200
SJB 3	220	165	130	SJB 765015	762	508	150
SJB 3A	218	168	210	SJB 765020	762	508	200
SJB 3B	377	218	156	SJB 6	827	577	156
SJB 3C	377	218	210	SJB 6A	827	577	210
SJB 3H	218	168	130	SJB 6B	827	577	300
SJB 3AH	218	168	210	SJB 916120	920	610	200
SJB 3BH	377	218	156	SJB 7	977	677	208
SJB 3CH	377	218	210	SJB 7A	977	677	156
SJB 231513	229	152	130	SJB 7B	977	677	300
SJB 262615	260	265	150	SJB 8	1177	777	156
SJB 262620	260	265	200	SJB 8A	1177	777	210
SJB 303015	306	306	150	SJB 8B	1190	770	300
SJB 303020	306	306	200	SJB 20020060	2000	2000	600
SJB 352615	350	265	150				
SJB 352620	350	265	200				
SJB 4	377	377	156				
SJB 4A	377	377	210				
SJB 453815	458	382	150				
SJB 453820	458	388	200				
SJB 484815	480	480	150				
SJB 484820	480	480	200				

## Approvals:



## Technical Information:

<b>Material</b>	: Sheet steel, powder-coated
<b>Properties</b>	: Intrinsic fire resistance in accordance with DIN 4102 part 12 (German standard) in combination with Fire Survival cables & Ceramic terminal block  Intrinsic fire resistance from external flame, water & external impact with BS 6387:2013 in combination with Fire Survival cables & Ceramic terminal block  Protection against accidental contact is ensured by the enclosure  External brackets for mounting  Cable junction box for tunnel application for conductor cross-sections up to 4 mm <sup>2</sup>
<b>Colour</b>	: Orange, RAL 2003
<b>Resistance to impact</b>	: IK 10 (20 Joule)
<b>Degree of protection</b>	: IP 66



## FIRE RATED ENCLOSURE

### Product Specification

Rated Insulation Voltage	800 V
Current Carrying Capacity	57 A
Tightening Torque for Terminal block	1.2 Nm

### Reference Standard

Product design	IEC 62208:2011
Product testing	DIN 4102-12 BS 6387:2013 (Cat. C, W, Z) IEC 60529 (IP) IEC 62262 (impact)

Product Code		Dimensions (mm)				Ceramic Terminal	
Part No.	Model No.	X	Y	Z	L (Lid height)	2 POLE	3 POLE
FRJ 01	FRJ-101080-A	100	100	80	18	1	1
FRJ 02	FRJ-151510-A	150	150	100	18	2	2
FRJ 03	FRJ-201510-A	200	150	100	18	4	3
FRJ 04	FRJ-202011-A	200	200	105	18	4	3
FRJ 05	FRJ-251510-A	250	150	100	18	5	3
FRJ 06	FRJ-352511-A	350	250	105	18	6	4

Enclosure Type	DIN 4102 - 12 950°C (1742°F) in a closed Chamber, E90 Certification (Flame Only)	BS6387 'C' 950°C (1742°F) for 3 Hours (Flame Only)	BS6387 'Z' 950°C (1742°F) for 15 Minutes (External Impact)	BS6387 'W' 650°C (1202°F) for 30 Minutes (Water Spray)
FRJB Series	PASS	PASS	PASS	PASS

## STEEL ENCLOSURE



Product Code	Dimensions (mm)		
	L	B	H
MSJ1	150	150	81
MSJ2	200	150	90
MSJ3	200	200	120
MSJ4	300	200	120
MSJ5	300	300	61
MSJ6	400	200	120
MSJ7	400	300	160
MSJ8	400	400	160

Note : Customized sizes are available on request.

### Key Features

- Value addition through machining of conduit holes
- Gasket options - Neoprene, Silicone & EPDM
- High temperature resistant
- Ingress Protection: IP65
- TIG welded (Oxide free) for sound joints
- Powder coated finish (RAL color shade as per choice)
- Thickness 1.5 - 3 mm
- Stainless Steel screws

### Accessories Provided

- Cable Glands
- Stop Plugs
- Terminal Blocks and its accessories

### Applications

- Industrial Indoor & Outdoor