

GENERAL INFORMATION OF OUR PRODUCTS

Stainless Steel Junction Boxes

Terminal Boxes are produced with 316L Grade Stainless Steel and RAL7015w Painted Pre-Galvanised Steel. Terminal boxes are used in potentially explosive areas. The Stainless Steel terminal boxes are manufactured in mild or stainless steel and comprise of enclosure with a separate lid or with a hinged lid. The enclosures are fitted with combinations of suitably certified terminals to mounting rails fitted to the rear panel. The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates. Holders of EC type-examination certificates are required to comply with the production control requirements defined in Article 8 of Directive 94/9/EC.

Impact Design

One Piece Enclosure Body manufactured from 1,5mm thick 316L Grade Stainless Steel

Cable Gland Plates manufactured from 2,0mm thick 316L Grade Stainless Steel

or

One Piece Enclosure Body manufactured from 1,5mm thick Pre-galvanised Steel + Painted to RAL7015w

Cable Gland Plates manufactured from 2,0mm thick

Pre-galvanised Steel + Painted to RAL7015w

Easy Mounting

Allows fast and easy Mounting
by using External Mounting Brackets



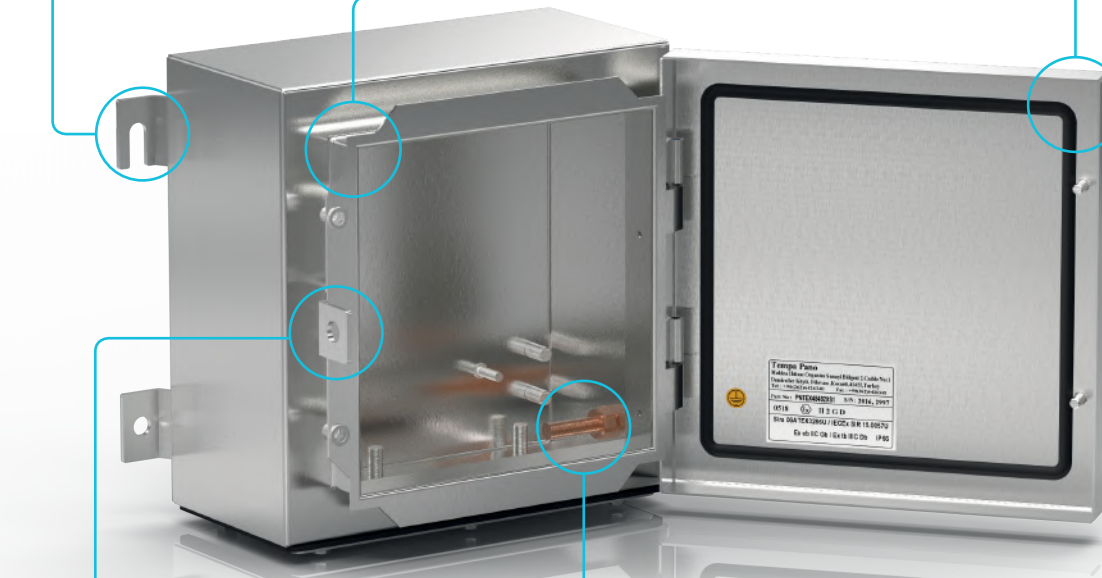
Ergonomic Design

Ergonomic Design to ensure
the highest safety measures



High Protection Degree

to ensure the IP66 Rating;
One piece Polyurathane Foamed-in Door Sealing Gasket
One Piece Neopren Gasket for Gland Plate



Safety
180° opening Concealed Hinge
Padlockable Lid Design

Fast&Easy Fitting

Fast and Easy fitting flexibility
Vertical & Horizontal

SS Lid Screws with Retaining Washer

Preventing Design to avoid the loss off Lid Screws
During Assembly & Maintenance

Wide Product Range

20 Different Standart Enclosure Sizes
0,1,2,3 and 4 off Cable Gland Plate Options



Earth Continuity
M6/M10 integral internal / external
brass earth stud assembly
M6 Earth Stud inside the Lid

TECHNICAL DATA AND PRODUCT MARKING



Global (IECEX)

IECEX SIR 15.0056X

Gas&Dust

Ex eb IIC T6 Gb (Tamb: -40°C to +40°C)
Ex ia IIC T6 Ga (Tamb: +40°C to +40°C)
Ex tb IIIC T57°C Db, IP66, (Tamb: -40°C to +40°C)

IECEX SIR 15.0057U (Component certificate)

Europe (ATEX)

SIRA 06 ATEX 3285X

Gas&Dust

II 2 G D Ex eb IIC T6 Gb (Tamb: -40°C to +40°C)
II 1 G Ex ia IIC T6 Ga (Tamb: -40°C to +40°C)
II 2 G D Ex tb IIIC T57°C Db, IP66 (Tamb: -40°C to +40°C)

SIRA 06 ATEX 3286U (Component certificate)

Classification Areas

Zone 1 (Category 2), Zone 2 (Category 3) & Zones 21 & 22

Ambient Temperature

-40°C to +55°C for T6 & T5

Design Standard

EN 50014, EN 50019, EN50020

IP Rating

IP66 (TS 3033, IEC/EN 60529)

Material

Highly corrosion resistant 1.5-2.0mm stainless steel 316L

Surface Finishing

Scotch-brite brushed

Gasket Material

One piece polyurethane gasket (Operating Temp.-50°C to + 100°C)

Door Fixing

Hinged removable door with captive fastening screws

Gland Plates

2.0mm thickness, 0,1,2,3 & 4 gland plate options

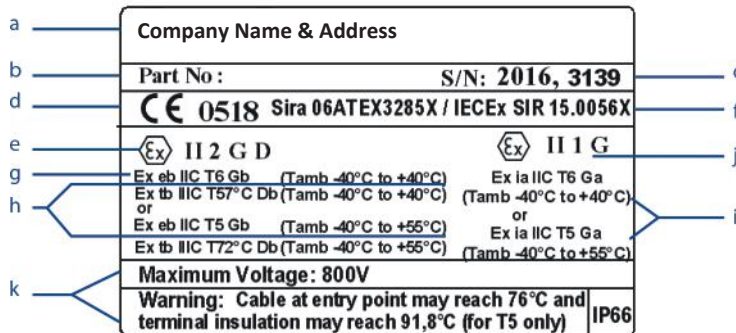
ATEX 94/9/EC Directive & IECEX Scheme & Product Marking

ATEX is the term used when referring to the European Union' s (EU) Directive 94/9/EC.

The ATEX Directive main objectives are to guarantee the free circulation off goods within European Union by aligning the technical and legal requirements of the Member States. To ensure compliance with the directive, equipment must meet with the essential requirements specified in the Directive and be marked with the CE marking.

On a global scale, these standards have been adopted down in the form of a binding explosion protection legislation by the International Electrical Committee (IEC) registered in Switzerland. For the area legally covered by the European Union, these IECEX regulations are compiled in the 94/9/EC Directive - ATEX Regulation. This regulation prescribes safety measures that prevent explosion caused by possible ignition sources.

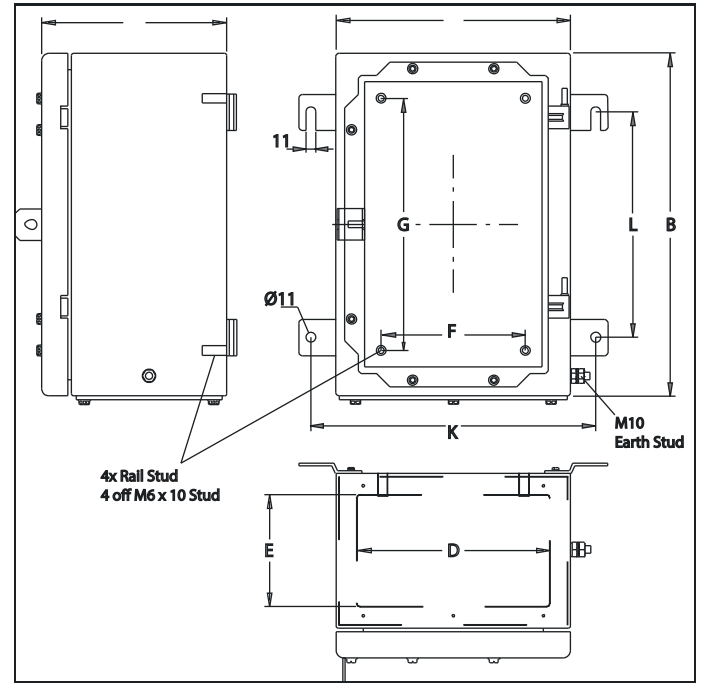
The International Electrotechnical - Commission (IEC) have developed the IEC 60079 set of standards specific for Electrical equipment in explosive Gas and Dust atmospheres. These standards define the Protection Techniques in preventing electrical equipment creating a possible ignition source in a hazardous environment. In having the IECEX Scheme in place it allows products to be tested and evaluated under these standards in being issued an IECEX certificate of conformity. Under the IECEX scheme the manufacturing of such certified equipment is audited by the accredited IEC bodies to ensure the quality systems and processes are in place to ensure compliance. After issuing the manufacturer with an IECEX QAR, ongoing surveillance audits are conducted annually to ensure such quality is maintained. The European Directive 94/9/EC - ATEX follows the CENELEC EN standards that are generally now harmonised with the IEC standards. There may be some small differences as the standards are harmonise across all the hazardous area, installation and protection techniques standards.



- a- Company Name & Address
- b- Product Name / Type
- c- Year of Manufacture and Serial Number
- d- CE Conformity Marking
- e- Specific Marking of Explosive Protection
- f- Certificate Number
- g- Equipment Group and Category
- h- Gas Group and T Class
- i- Ambient Temperature Range
- j- Type of explosive atmosphere (Group I or Group II)
- k- Other Informations

STANDARD SERIES AND CABLE GLAND OPTIONS

Width	Height	Depth	Reference	Thickness			Hinge	Weight
A	B	C		Body	Door	Plate		
mm	mm	mm		mm	mm	mm	pcs	kg
120	120	80	ES 121208-S	1.2	1.2	---	---	1.4
150	150	90	ES 151509-S	1.2	1.2	---	---	1.9
190	190	100	ES 191910-S	1.2	1.2	---	---	3.0
260	260	160	EX 262616-S1	1.5	1.5	2	2	5.5
260	260	205	EX 262620-S1	1.5	1.5	2	2	5.5
260	380	160	EX 263816-S1	1.5	1.5	2	2	7.0
260	380	205	EX 263820-S1	1.5	1.5	2	2	7.0
306	306	160	EX 303016-S1	1.5	1.5	2	2	7.0
306	306	205	EX 303020-S1	1.5	1.5	2	2	7.0
350	500	160	EX 355016-S1	1.5	1.5	2	2	10.5
350	500	205	EX 355020-S1	1.5	1.5	2	2	10.5
382	458	160	EX 384516-S1	1.5	1.5	2	2	9.8
382	458	205	EX 384520-S1	1.5	1.5	2	2	9.8
450	620	160	EX 456216-S1	1.5	1.5	2	2	17.0
450	620	205	EX 456220-S1	1.5	1.5	2	2	17.0
480	480	160	EX 484816-S1	1.5	1.5	2	2	10.4
480	480	205	EX 484820-S1	1.5	1.5	2	2	10.4
508	762	205	EX 507620-S1	1.5	1.5	2	2	23.5
550	740	205	EX 557420-S1	1.5	1.5	2	2	23.5
610	914	205	EX 619120-S1	1.5	1.5	2	3	31.0
640	860	205	EX 648620-S1	1.5	1.5	2	3	29.0
740	980	205	EX 749820-S1	1.5	1.5	2	3	38.0



CABLE GLAND PLATE OPTIONS

EX 303016 S - 2

S0

S1

S2

S3

S4

Cable Gland Plate

Stainless Steel (M : Pre-Galvanized)

Dimensions (306 x 306 x 160 mm) (W x H x D)

ES/EX SERIES

Width	Height	Depth	Reference	Cable Gland		DIN Rail Fixing			
A	B	C		↔	↗	↔	↕	↔	↕
mm	mm	mm		mm	mm	mm	mm	mm	mm
120	120	80	ES 121208-S	---	---	Center	80	145	Center
150	150	90	ES 151509-S	---	---	Center	110	175	Center
190	190	100	ES 191910-S	---	---	Center	150	215	Center
260	260	160	EX 262616-S1	214	80	160	160	316	170
260	260	205	EX 262620-S1	214	124	160	160	316	170
260	380	160	EX 263816-S1	214	80	160	280	316	250
260	380	205	EX 263820-S1	214	124	160	280	316	250
306	306	160	EX 303016-S1	261	80	206	206	361	203
306	306	205	EX 303020-S1	261	124	206	206	361	203
350	500	160	EX 355016-S1	304	80	250	400	406	350
350	500	205	EX 355020-S1	304	124	250	400	406	350
382	458	160	EX 384516-S1	337	80	282	358	437	305
382	458	205	EX 384520-S1	337	124	282	358	437	305
450	620	160	EX 456216-S1	404	80	350	520	506	450
450	620	205	EX 456220-S1	404	124	350	520	506	450
480	480	160	EX 484816-S1	404	80	380	380	535	327
480	480	205	EX 484820-S1	404	124	380	380	535	327
508	762	205	EX 507620-S1	404	124	408	662	564	508
550	740	205	EX 557420-S1	504	124	450	640	606	540
610	914	205	EX 619120-S1	566	108	510	814	666	559
640	860	205	EX 648620-S1	594	124	540	760	696	570
740	980	205	EX 749820-S1	2 x 304	124	640	880	796	700

Width	Height	Depth	Reference	Maximum No of Cable Glands Per Bottom & Top							
A	B	C		M16	M20	M25	M32	M40	M50	M63	M75
mm	mm	mm		pcs	pcs	pcs	pcs	pcs	pcs	pcs	pcs
120	120	80	ES 121208-S	8	3	2	2	0	0	0	0
150	150	90	ES 151509-S	9	6	3	2	2	0	0	0
190	190	100	ES 191910-S	15	8	6	3	2	2	0	0
260	260	160	EX 262616-S1	20	10	10	4	3	2	0	0
260	260	205	EX 262620-S1	28	21	15	8	6	3	0	0
260	380	160	EX 263816-S1	21	14	10	4	3	3	0	0
260	380	205	EX 263820-S1	32	18	15	8	5	3	0	0
306	306	160	EX 303016-S1	24	16	12	5	4	3	0	0
306	306	205	EX 303020-S1	32	24	12	10	4	3	0	0
350	500	160	EX 355016-S1	20	16	12	5	4	4	3	0
350	500	205	EX 355020-S1	40	24	18	10	8	4	3	2
382	458	160	EX 384516-S1	22	18	14	6	5	4	3	0
382	458	205	EX 384520-S1	44	27	21	12	8	4	3	0
450	620	160	EX 456216-S1	26	22	16	7	6	5	4	0
450	620	205	EX 456220-S1	52	33	24	14	12	5	4	3
480	480	160	EX 484816-S1	26	22	18	7	5	5	4	0
480	480	205	EX 484820-S1	52	33	24	14	12	5	4	0
508	762	205	EX 507620-S1	39	33	16	14	10	5	4	3
550	740	205	EX 557420-S1	64	42	30	18	14	7	5	4
610	914	205	EX 619120-S1	57	48	22	22	8	8	5	5
640	860	205	EX 648620-S1	76	48	36	22	16	8	6	5
740	980	205	EX 749820-S1	80	48	36	20	16	8	6	4

ES/EX SERIES

Width	Height	Depth	Reference	Maximum Terminal Content (Horizontal)						
A	B	C		WDU 1.5	WDU 2.5	WDU 4.0	WDU 6.0	WDU 10	SAK 2.5	SAK 4.0
mm	mm	mm		pcs	pcs	pcs	pcs	pcs	pcs	pcs
120	120	80	ES 121208-S	---	---	---	---	---	---	---
150	150	90	ES 151509-S	---	---	---	---	---	---	---
190	190	100	ES 191910-S	---	---	---	---	---	---	---
260	260	160	EX 262616-S1	2 x 27	2 x 27	2 x 23	1 x 17	1 x 13	2 x 23	2 x 23
260	260	205	EX 262620-S1	2 x 27	2 x 27	2 x 23	1 x 17	1 x 13	2 x 23	2 x 23
260	380	160	EX 263816-S1	3 x 27	3 x 27	3 x 23	3 x 17	3 x 13	3 x 23	3 x 23
260	380	205	EX 263820-S1	3 x 27	3 x 27	3 x 23	3 x 17	3 x 13	3 x 23	3 x 23
306	306	160	EX 303016-S1	2 x 36	2 x 36	2 x 30	2 x 23	2 x 18	2 x 30	2 x 30
306	306	205	EX 303020-S1	2 x 36	2 x 36	2 x 30	2 x 23	2 x 18	2 x 30	2 x 30
350	500	160	EX 355016-S1	4 x 42	4 x 42	4 x 35	4 x 26	4 x 21	4 x 35	4 x 35
350	500	205	EX 355020-S1	4 x 42	4 x 42	4 x 35	4 x 26	4 x 21	4 x 35	4 x 35
382	458	160	EX 384516-S1	4 x 51	3 x 51	3 x 42	3 x 32	3 x 25	4 x 42	4 x 42
382	458	205	EX 384520-S1	4 x 51	3 x 51	3 x 42	3 x 32	3 x 25	4 x 42	4 x 42
450	620	160	EX 456216-S1	5 x 62	5 x 62	5 x 52	4 x 39	4 x 31	5 x 52	5 x 52
450	620	205	EX 456220-S1	5 x 62	5 x 62	5 x 52	4 x 39	4 x 31	5 x 52	5 x 52
480	480	160	EX 484816-S1	4 x 71	3 x 71	3 x 59	3 x 44	3 x 35	4 x 59	4 x 59
480	480	205	EX 484820-S1	4 x 71	3 x 71	3 x 59	3 x 44	3 x 35	4 x 59	4 x 59
508	762	205	EX 507620-S1	6 x 76	6 x 76	6 x 63	5 x 47	5 x 38	7 x 63	7 x 63
550	740	205	EX 557420-S1	7 x 82	7 x 82	6 x 69	5 x 51	5 x 51	7 x 69	6 x 69
610	914	205	EX 619120-S1	8 x 96	8 x 96	7 x 80	7 x 60	6 x 48	8 x 80	8 x 80
640	860	205	EX 648620-S1	8 x 100	8 x 100	7 x 90	7 x 75	6 x 52	8 x 90	8 x 90
740	980	205	EX 749820-S1	8 x 120	8 x 120	7 x 100	7 x 77	6 x 61	8 x 100	8 x 100

Width	Height	Depth	Reference	Maximum Terminal Content (Vertical)						
A	B	C		WDU 1.5	WDU 2.5	WDU 4.0	WDU 6.0	WDU 10	SAK 2.5	SAK 4.0
mm	mm	mm		pcs	pcs	pcs	pcs	pcs	pcs	pcs
120	120	80	ES 121208-S	1 x 8	1 x 8	0	0	0	1 x 6	1 x 6
150	150	90	ES 151509-S	1 x 13	1 x 13	1 x 11	1 x 8	1 x 7	1 x 11	1 x 10
190	190	100	ES 191910-S	1 x 21	1 x 21	1 x 18	1 x 13	1 x 10	1 x 18	1 x 16
260	260	160	EX 262616-S1	2 x 27	2 x 27	2 x 23	1 x 17	1 x 13	2 x 23	2 x 23
260	260	205	EX 262620-S1	2 x 27	2 x 27	2 x 23	1 x 17	1 x 13	2 x 23	2 x 23
260	380	160	EX 263816-S1	2 x 51	2 x 51	2 x 43	1 x 32	1 x 25	2 x 43	2 x 43
260	380	205	EX 263820-S1	2 x 51	2 x 51	2 x 43	1 x 32	1 x 25	2 x 43	2 x 43
306	306	160	EX 303016-S1	2 x 36	2 x 36	2 x 30	2 x 23	2 x 18	2 x 30	2 x 30
306	306	205	EX 303020-S1	2 x 36	2 x 36	2 x 30	2 x 23	2 x 18	2 x 30	2 x 30
350	500	160	EX 355016-S1	3 x 75	3 x 75	2 x 63	2 x 47	2 x 37	3 x 63	3 x 63
350	500	205	EX 355020-S1	3 x 75	3 x 75	2 x 63	2 x 47	2 x 37	3 x 63	3 x 63
382	458	160	EX 384516-S1	3 x 67	3 x 67	2 x 56	2 x 42	2 x 33	3 x 56	3 x 56
382	458	205	EX 384520-S1	3 x 67	3 x 67	2 x 56	2 x 42	2 x 33	3 x 56	3 x 56
450	620	160	EX 456216-S1	4 x 99	4 x 99	3 x 83	3 x 62	3 x 49	4 x 83	3 x 83
450	620	205	EX 456220-S1	4 x 99	4 x 99	3 x 83	3 x 62	3 x 49	4 x 83	3 x 83
480	480	160	EX 484816-S1	4 x 71	3 x 71	3 x 59	3 x 44	3 x 35	4 x 59	4 x 59
480	480	205	EX 484820-S1	4 x 71	3 x 71	3 x 59	3 x 44	3 x 35	4 x 59	4 x 59
508	762	205	EX 507620-S1	4 x 128	3 x 128	3 x 106	3 x 80	3 x 64	4 x 106	4 x 106
550	740	205	EX 557420-S1	5 x 124	5 x 124	4 x 103	4 x 77	4 x 61	5 x 103	4 x 103
610	914	205	EX 619120-S1	6 x 158	5 x 158	5 x 132	4 x 99	4 x 79	5 x 132	5 x 132
640	860	205	EX 648620-S1	6 x 147	6 x 147	5 x 123	5 x 92	4 x 73	6 x 123	5 x 123
740	980	205	EX 749820-S1	7 x 171	6 x 171	6 x 143	5 x 107	5 x 85	8 x 143	7 x 143