·WE ARE·
MANUFACTURERS
CERTIFIED

atex delvalle®
HAZARDOUS AREA SOLUTIONS

TERBOX SERIES

ATEX TERMINAL & JUNCTION BOXES

Zones 1, 2, 21 and 22

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atex@atexdelvalle.com | www.atexdelvalle.com

Delvalle, wide experience in manufacturing solutions for hazardous area

WE PUT AT YOUR DISPOSAL

We offer over **50 years** providing hazardous area **solutions** to demanding customers who require very specific characteristics and behaviour according to the sector and their needs.

WHEREVER YOU GO

We are committed to working closely with our customers, providing them with exceptional service and offering an advanced and **extensive range of hazardous area products** with very competitive prices.

CONSULTING & ENGINEERING

Atex Delvalle adapts to our clients' needs by offering hazardous-area systems.
Atex-delvalle are the leading certified assembler of Ex junction boxes, our **customized services, experienced design** and drafting 3D support.

100%
Entirely designed and manufactured in Europe

HIGH STANDARD OF QUALITY AND SERVICES

We only use materials provided by companies who offer the very highest quality, suitable and certified products.
Our success is due to **top quality** assurance:
ISO 9001, SGS, UL, TÜV, ISO 14000, Ohsas 1800, Atex , IECEx.

CONTACT US

Confidentiality, reliability & quality

www.atexdelvalle.com
atex@atexdelvalle.com
+34 945 601 381

ALSO ONLINE

Please contact our technical sales department.

A team of professionals with high experience and ability to solve all your queries.

Zones 1, 2, 21 and 22

EX TERMINAL & JUNCTION BOX
TERBOX - GEOEX SERIES IP66

Examples

Gives Cost and Time Savings

Terbox-Geoex IP66 Series of terminal boxes are made of stainless steel; based on the design and specifications of our Geoex boxes (which are Ex-certified as final product). Terbox can be used in projects requiring the assembly and certification of junction boxes with terminal, cable glands and push-buttons, giving cost and time savings.
Terminal boxes are used for dividing and connecting wires for various electrical apparatus and instruments in the circuits. Installation is certified for zones 1, 2, 21 and 22.

FOR MORE INFORMATION CLICK HERE

OPTIONS

- Available up to IP67 or IP68.
- Made of stainless steel AISI 304L or AISI 316L.
- Optional cable entry cover.
- Optional hinges.
- Different mounting options.

TECHNICAL FEATURES

- For use in zones 1, 2, 21 and 22 and to place Ex component terminals.
- Easy opening of boxes thanks to a screwed cover.
- Strict IEC 60079-7 tests passed.
- Sea water resistant.
- External M6 ground connection.
- Wide range of ambient temperatures.
- Thickness 1.5 mm (depending on boxes).

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TERMINALS

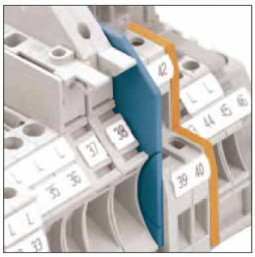
Weidmüller

Atex Delvalle mounts in Terbox Series, Weidmüller brand terminals.
We can also use other brands on request such as:

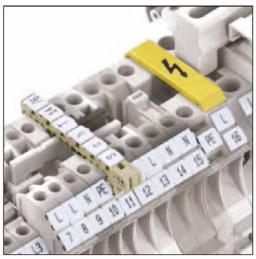
PHOENIX CONTACT · WAGO INNOVATIVE CONNECTIONS · ABB · legrand · Rockwell Automation

Delvalle offers users a wide range of accessories as ideal solutions for all possible tasks, even beyond the standard functions.

These accessories meet the same quality standards as the terminals themselves.

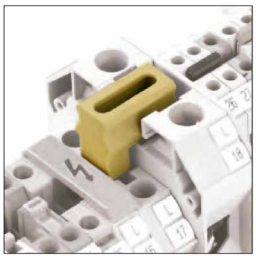


Visual separation
Endcaps

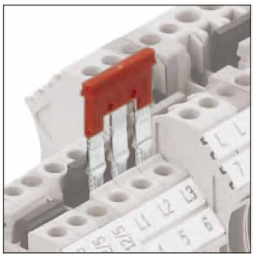


Signalling

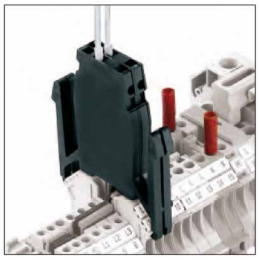
Fixation



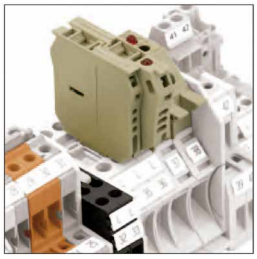
Electrical power supply



Electrical distribution



Testing



Specific functions, color variations

EX TERMINAL & JUNCTION BOX TERBOX - GEOEX SERIES IP66

TURNKEY PROJECTS

Options available include sizes, colours, types of connection among others. As we have a close relationship with the main **Atex & IECEx certified** companies in our field, we achieve total adaptability and flexibility being **manufacturers**

PROTECTION MODE

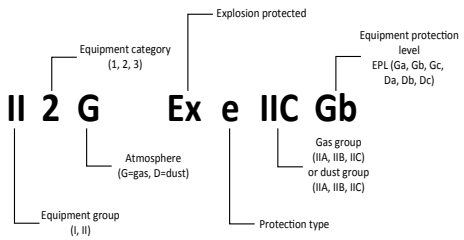
- According to directive EN 60079-0 for empty enclosures:
  - II2G Ex eb IIC Gb
  - II2D Ex tb IIIC Db IP66
- According to directive EN 60079-0 for terminal boxes:
  - II2G Ex eb IIC Gb
  - II2D Ex tb IIIC Db IP66
- Certificate empty box terminal:
  - LOM 14ATEX3028U
- Certificate Terbox:
  - LOM 14ATEX2082
- Certificate quality:
  - LOM 14ATEX9050
- Maximum IK10 norm IEC 62262.
- Voltage range: max. 1100 V and current and voltage range: max. 350 A (depending on the types of terminal and Ex components used).

NORMATIVE

Atex & IECEx directive and normative:

- Atex 2014/34/EU directive
- IP66 according to IEC Standard EN 62208 and EN 60529.
- IP (W) 66 corrosive environments.
- IEC 62208 and EN 62262. Degree of resistance against impact IK10.
- UNE-EN 60079-0:2011
- UNE-EN 60079-7:2007
- UNE-EN 60079-31:2014
- Operating temperature (ambience): -25° a ≤60°C.

CE CERTIFICATE



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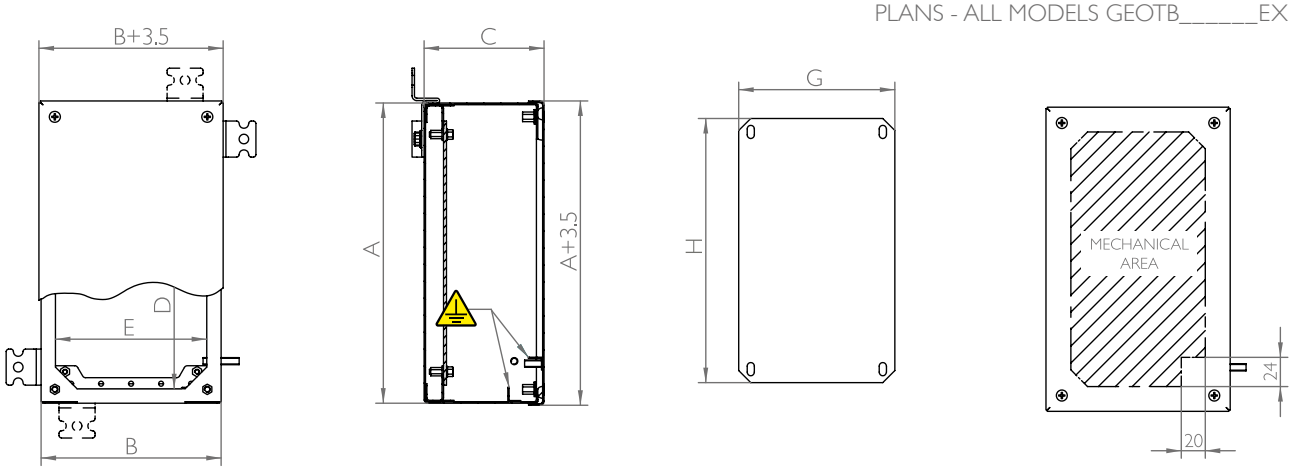
CE 163 Ex
II 2G Ex e IIC T6 Gb
II 2D Ex tb IIIC T85ºC Db

LOM 14 ATEX 2082	Type: GEOTB202012EX	
U_N= V	-25ºC<Ta<+60ºC	IP66
I_N= A	S. Nº / Year PV1415-00570-1A / 2014	

DO NOT OPEN WHEN ENERGIZED

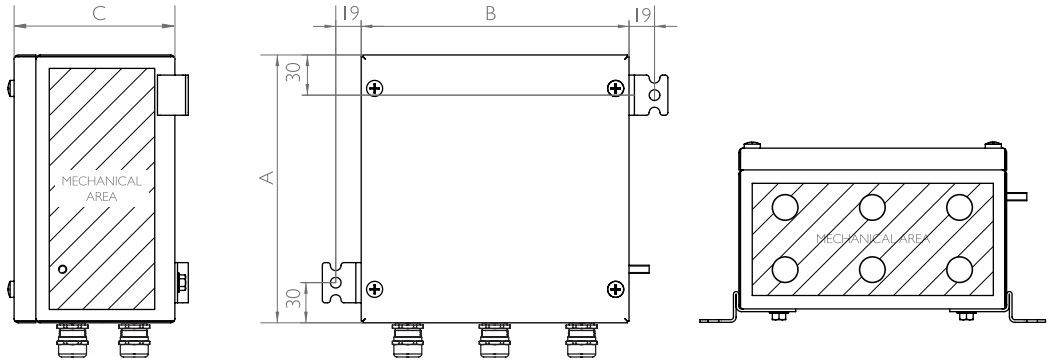
PLANS AND REFERENCES

PLANS - ALL MODELS GEOTB_____EX



REFERENCES	Nº TERMINALS														
REFERENCES	Nº RAILS	DIMENSIONS (mm)			6 A	10 A	16 A	24 A	32 A	50 A	80 A	110 A	130 A	150 A	230 A
		HEIGHT A	WIDTH B	DEPTH C	1,5 mm^2	2,5 mm^2	4 mm^2	6 mm^2	10 mm^2	16 mm^2	35 mm^2	70 mm^2	95 mm^2	120 mm^2	240 mm^2
GEOTB111190EX	1	110	110	90	7	5	5	5	--	--	--	--	--	--	--
GEOTB111690EX	1	110	160	90	15	13	10	8	--	--	--	--	--	--	--
GEOTB132612EX	1	130	260	120	30	25	20	18	13	--	--	--	--	--	--
GEOTB161190EX	1	160	110	90	15	13	10	8	--	--	--	--	--	--	--
GEOTB261312EX	1	260	130	120	25	20	18	13	--	--	--	--	--	--	--
GEOTB202012EX	2	200	200	120	70	50	45	40	30	15	8	--	--	--	--
GEOTB203015EX	2	200	300	150	100	90	70	60	50	40	25	10	8	--	--
GEOTB252515EX	2	250	250	150	90	75	60	50	40	30	15	7	5	--	--
GEOTB302015EX	2	300	200	150	100	90	70	60	50	40	25	10	8	--	--
GEOTB303015EX	3	300	300	150	130	100	80	70	60	50	35	25	20	--	--
GEOTB404017EX	3	400	400	170	150	130	100	80	70	60	45	35	25	--	--
GEOTB505017EX	3	500	500	170	200	150	130	120	100	80	55	40	35	10	8
GEOTB606017EX	4	600	600	170	250	200	140	130	110	90	60	50	35	20	30

PLANS - MODELS GEOTB505017EX AND GEOTB606017EX



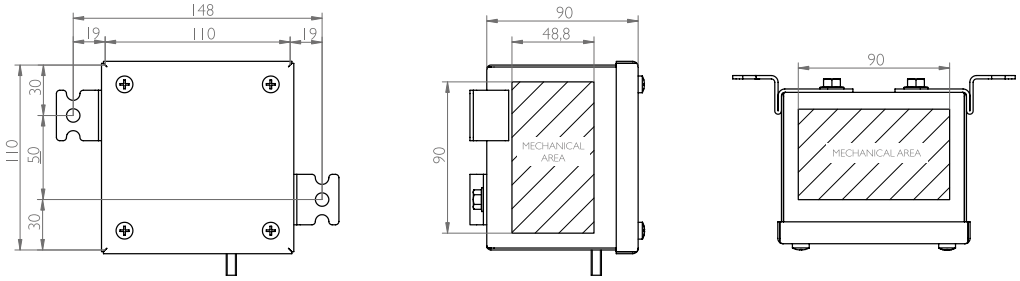
10 YEARS
STAINLESS ANTICORROSIVE **GUARANTEE**

MADE TO MEASURE

5 YEARS
MECHANICAL PARTS **GUARANTEE**

EX TERMINAL & JUNCTION BOX TERBOX - GEOEX SERIES IP66

MEASURES 110X100X90



MAXIMUM NUMBER OF INPUTS PER SIDE							
THREAD SIZE	M12	M16	M20	M25	M32	M40	M50
BOTTOM AND TOP	14	8	6	5	3	1	1
SIDES	14	8	6	5	3	1	1

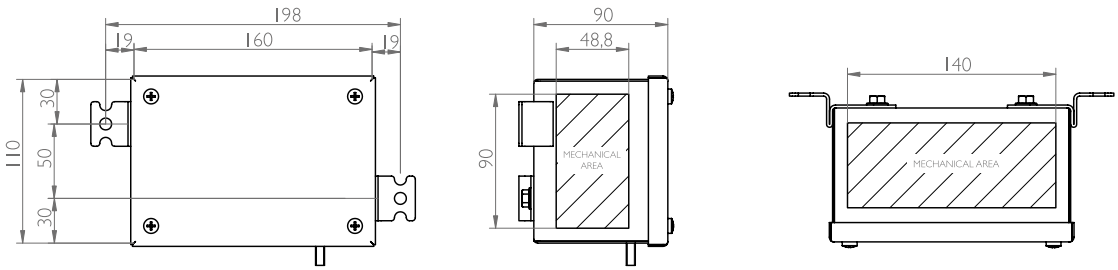
REFERENCES	MAXIMUM NUMBER TERMINALS			
REFERENCES	SECTION mm²	CURRENT MAX. (A)	VOLTAGE MAX. (V)	Nº RAILS
				1
ZDU 1.5	1.5	15	550	6
ZDU 2.5	2.5	21	550	5
ZDU 4	4	28	550	5
ZDU 6	6	36	550	4

10 YEARS
STAINLESS ANTICORROSIVE **GUARANTEE**

MADE TO MEASURE

5 YEARS
MECHANICAL PARTS **GUARANTEE**

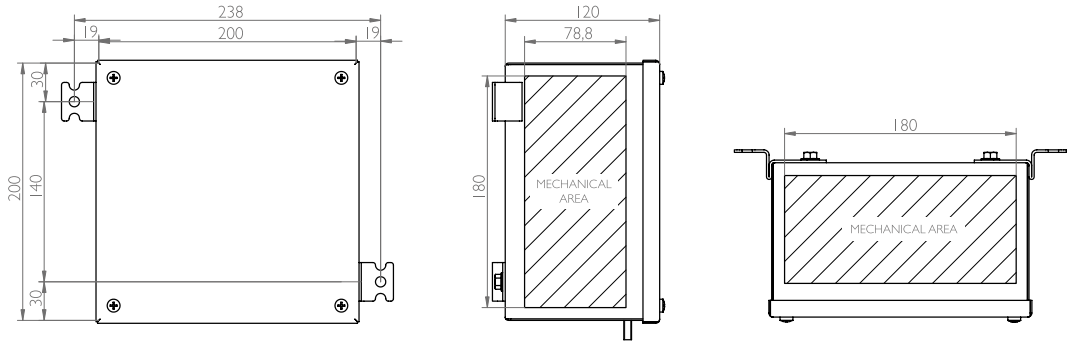
MEASURES 110X160X90



MAXIMUM NUMBER OF INPUTS PER SIDE							
THREAD SIZE	M12	M16	M20	M25	M32	M40	M50
BOTTOM AND TOP	14	8	6	5	3	1	1
SIDES	23	15	10	7	5	3	2

REFERENCES	MAXIMUM NUMBER TERMINALS			
REFERENCES	SECTION mm²	CURRENT MAX. (A)	VOLTAGE MAX. (V)	Nº RAILS
				1
ZDU 1.5	1.5	15	550	15
ZDU 2.5	2.5	20	550	13
ZDU 4	4	28	550	10
ZDU 6	6	36	550	8

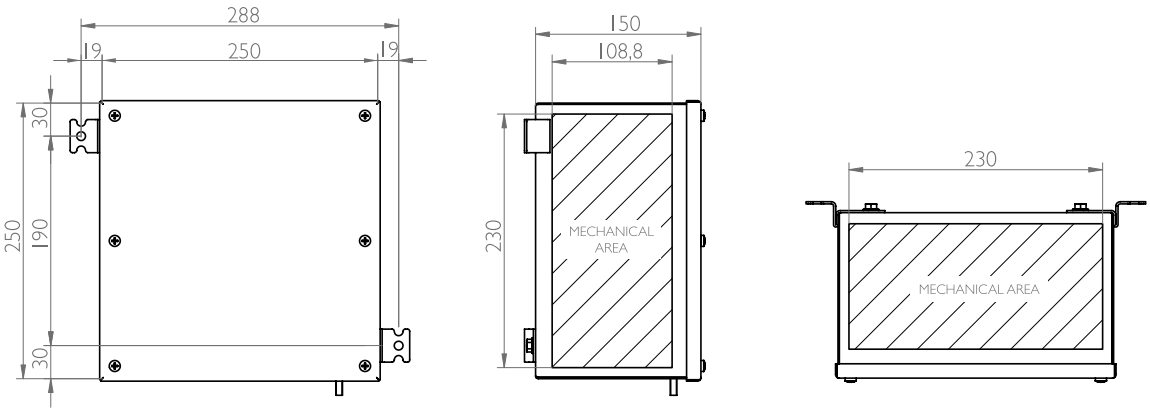
MEASURES 200X200X120



MAXIMUM NUMBER OF INPUTS PER SIDE									
THREAD SIZE	M12	M16	M20	M25	M32	M40	M50	M63	M75
BOTTOM AND TOP	48	30	20	14	8	5	3	2	1
SIDES	29	20	13	9	5	3	2	-	-

REFERENCES	MAXIMUM NUMBER TERMINALS			
REFERENCES	SECTION mm²	CURRENT MAX. (A)	VOLTAGE MAX. (V)	Nº RAILS
				2
ZDU 1.5	1.5	15	550	60
ZDU 2.5	2.5	20	550	50
ZDU 4	4	28	550	45
ZDU 6	6	36	550	40
ZDU 10	10	50	550	30
ZDU 16	16	63	550	15
WDU 35	35	109	690	8

MEASURES 250X250X150

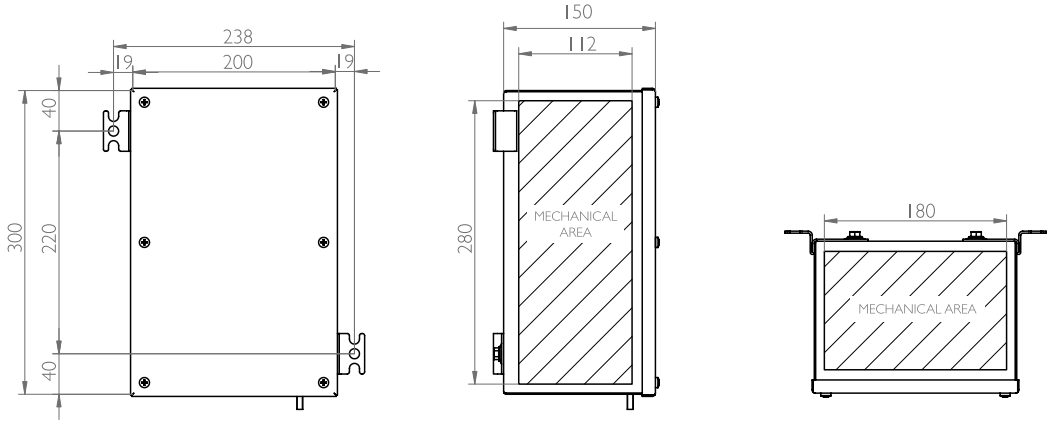


MAXIMUM NUMBER OF INPUTS PER SIDE									
THREAD SIZE	M12	M16	M20	M25	M32	M40	M50	M63	M75
BOTTOM AND TOP	75	48	34	26	14	8	5	3	2
SIDES	50	29	26	20	9	5	3	2	2

REFERENCES	MAXIMUM NUMBER TERMINALS			
REFERENCES	SECTION mm²	CURRENT MAX. (A)	VOLTAGE MAX. (V)	Nº RAILS
				2
ZDU 1.5	1.5	15	550	80
ZDU 2.5	2.5	20	550	75
ZDU 4	4	28	550	60
ZDU 6	6	36	550	50
ZDU 10	10	50	550	40
ZDU 16	16	63	550	30
WDU 35	35	109	690	20
WDU 70	70	167	690	15
WDU 95	95	202	690	15

EX TERMINAL & JUNCTION BOX TERBOX - GEOEX SERIES IP66

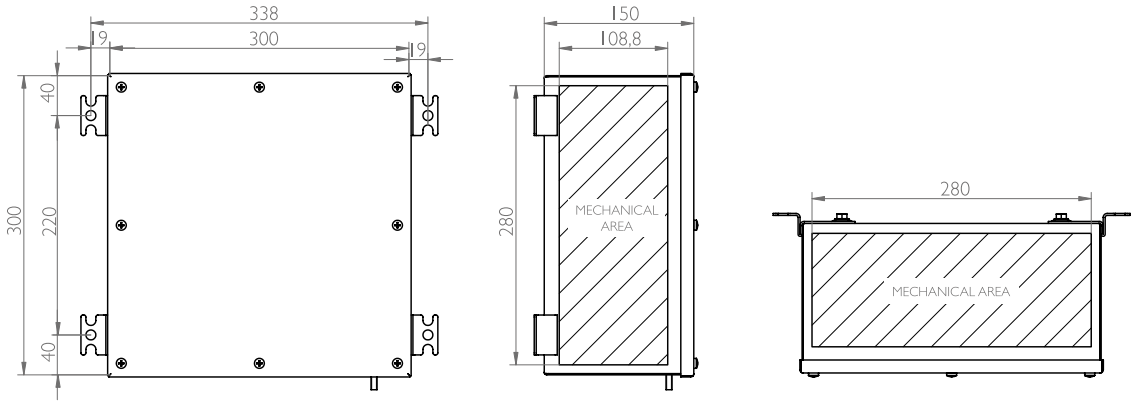
MEASURES 300X200X150



MAXIMUM NUMBER OF INPUTS PER SIDE									
THREAD SIZE	M12	M16	M20	M25	M32	M40	M50	M63	M75
BOTTOM AND TOP	93	63	42	30	17	11	7	3	3
SIDES	38	30	20	14	8	5	3	2	1

REFERENCES	MAXIMUM NUMBER TERMINALS			
REFERENCES	SECTION mm²	CURRENT MAX. (A)	VOLTAGE MAX. (V)	Nº RAILS 2
ZDU 1.5	1.5	15	550	100
ZDU 2.5	2.5	20	550	90
ZDU 4	4	28	550	70
ZDU 6	6	36	550	55
ZDU 10	10	50	550	50
ZDU 16	16	63	550	35
WDU 35	35	109	690	25
WDU 70	70	167	690	15
WDU 95	95	202	750	15

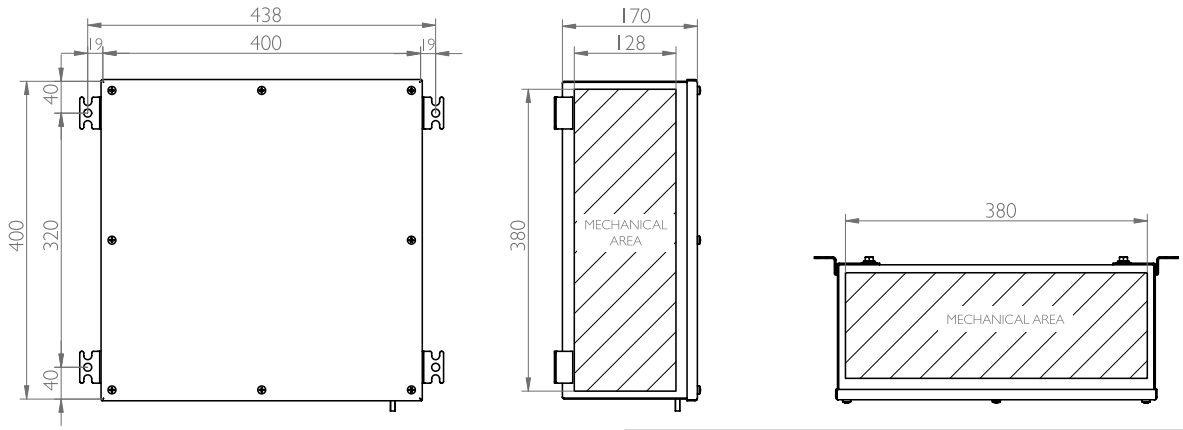
MEASURES 300X300X150



MAXIMUM NUMBER OF INPUTS PER SIDE									
THREAD SIZE	M12	M16	M20	M25	M32	M40	M50	M63	M75
BOTTOM AND TOP	87	63	43	30	18	11	7	3	2
SIDES	58	38	29	23	14	7	5	3	2

REFERENCES	MAXIMUM NUMBER TERMINALS			
REFERENCES	SECTION mm²	CURRENT MAX. (A)	VOLTAGE MAX. (V)	Nº RAILS 2
ZDU 1.5	1.5	15	550	110
ZDU 2.5	2.5	20	550	100
ZDU 4	4	28	550	80
ZDU 6	6	36	550	65
ZDU 10	10	50	550	60
ZDU 16	16	66	550	41
WDU 35	35	109	690	35
WDU 70	70	167	690	25
WDU 95	95	202	750	25

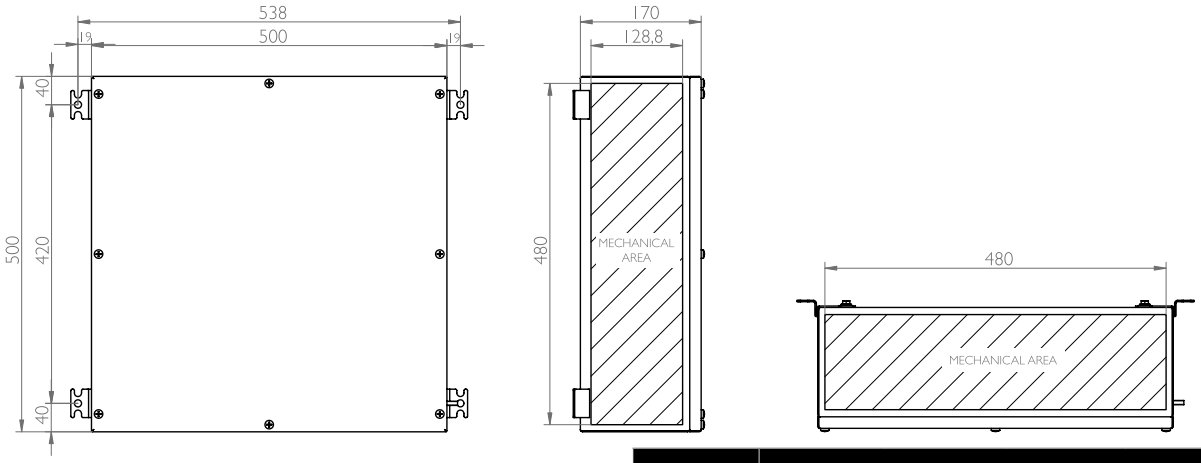
MEASURES 400X400X170



MAXIMUM NUMBER OF INPUTS PER SIDE									
THREAD SIZE	M12	M16	M20	M25	M32	M40	M50	M63	M75
BOTTOM AND TOP	87	63	43	30	18	11	7	3	2
SIDES	58	38	29	23	14	7	5	3	2

REFERENCES	MAXIMUM NUMBER TERMINALS			
REFERENCES	SECTION mm²	CURRENT MAX. (A)	VOLTAGE MAX. (V)	N° RAILS 2
ZDU 1.5	1.5	15	550	110
ZDU 2.5	2.5	20	550	100
ZDU 4	4	28	550	80
ZDU 6	6	36	550	65
ZDU 10	10	50	550	60
ZDU 16	16	66	550	41
WDU 35	35	109	690	35
WDU 70	70	167	690	25
WDU 95	95	202	750	25

MEASURES 500X500X170

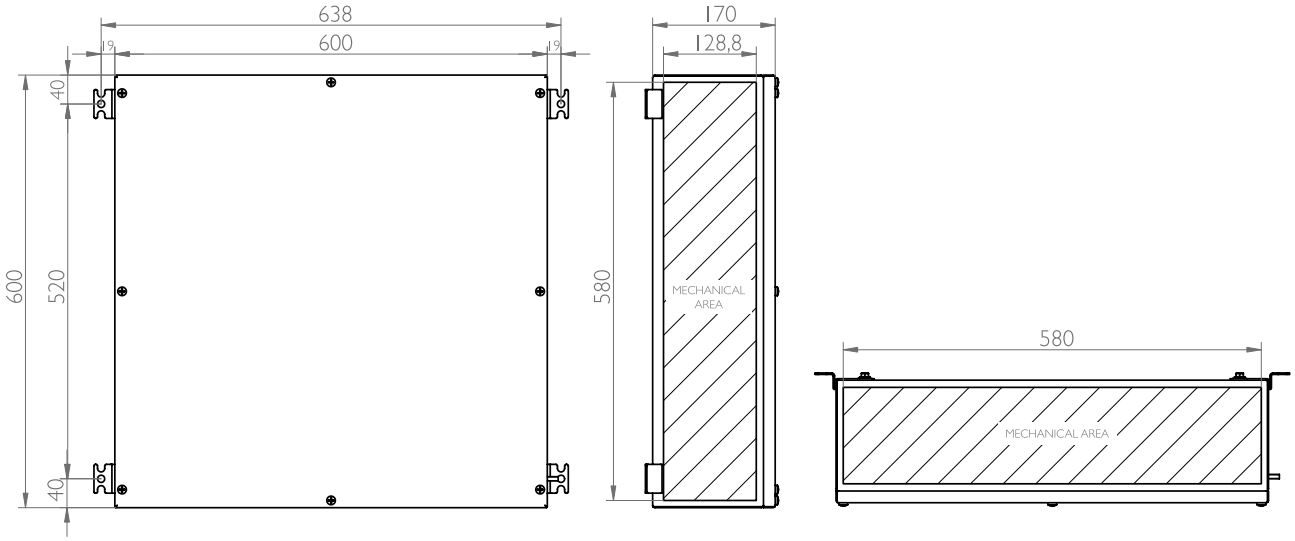


MAXIMUM NUMBER OF INPUTS PER SIDE									
THREAD SIZE	M12	M16	M20	M25	M32	M40	M50	M63	M75
BOTTOM AND TOP	137	109	87	50	38	23	13	7	4
SIDES	98	78	58	38	29	15	11	5	4

REFERENCES	MAXIMUM NUMBER TERMINALS			
REFERENCES	SECTION mm²	CURRENT MAX. (A)	VOLTAGE MAX. (V)	N° RAILS 3
ZDU 1.5	1.5	15	550	170
ZDU 2.5	2.5	20	550	150
ZDU 4	4	28	550	100
ZDU 6	6	36	550	75
ZDU 10	10	50	550	60
ZDU 16	16	63	550	50
WDU 35	35	109	690	40
WDU 70	70	167	690	35
WDU 95	95	202	750	35
WDU 120	120	234	1100	30
WDU 240	240	350	1100	30

EX TERMINAL & JUNCTION BOX TERBOX - GEOEX SERIES IP66

MEASURES 600X600X170



MAXIMUM NUMBER OF INPUTS PER SIDE									
THREAD SIZE	M12	M16	M20	M25	M32	M40	M50	M63	M75
BOTTOM AND TOP	137	109	87	50	38	23	13	7	4
SIDES	98	78	58	38	29	15	11	5	4

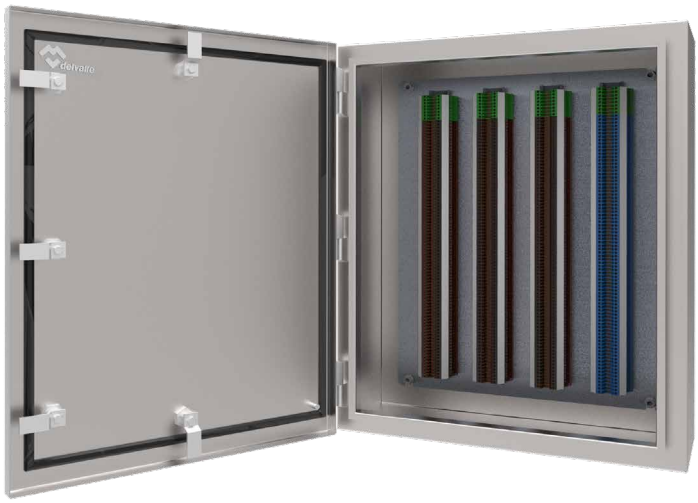
REFERENCES	MAXIMUM NUMBER TERMINALS			
REFERENCES	SECTION mm^2	CURRENT MAX. (A)	VOLTAGE MAX. (V)	N° RAILS
				4
ZDU 1.5	1.5	15	550	200
ZDU 2.5	2.5	20	550	160
ZDU 4	4	28	550	100
ZDU 6	6	36	550	75
ZDU 10	10	50	550	60
ZDU 16	16	63	550	50
WDU 35	35	109	690	40
WDU 70	70	167	690	40
WDU 95	95	202	750	35
WDU 120	120	234	1100	30
WDU 240	240	350	1100	30

Zones 1, 2, 21 and 22

HINGED TERMINAL & JUNCTION BOXES

TERBOX - LUXOREX SERIES IP66

Examples



Easy to Open

The terminal box with Terbox-Luxorex Series closures and hinges have been developed with a LOM 14ATEX3026U component certificate, sturdy and IP66 sealing.

These boxes can be used with increased safety protection mode "Ex e" including increased safety connection terminals or an "Ex t" enclosure protection mode.

These boxes stand out for incorporating Atex & IECEx components already installed inside them, without needing to re-homologize in a laboratory once assembled.

These station are solely valid for flammable dust environments those stations where all the built-in components are suitable for group III.

FOR MORE INFORMATION CLICK HERE

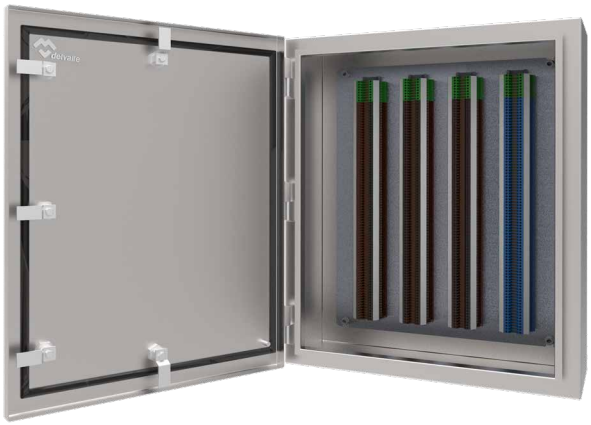
HINGED TERMINAL & JUNCTION BOXES **TERBOX - LUXOREX SERIES** IP66

ADVANTAGES

- Simple door opening with double bit fasteners.
- Great gate opening 120°.
- Robustness, safety, reliability tested.
- Polished finish on all sides.
- Large interior space that simplifies connection operations.
- Atex & IECEx components already installed inside.
- Indoor and outdoor use.
- Guaranteed corrosion protection.
- Great safety and resistance in the most aggressive explosive environments thanks to the design and materials used in its manufacture.

OPTIONS

- Boxes used as maneuver stations, incorporating certified components of connection, maneuver and Signalling: pushbuttons, emergency mushrooms, lights, pushbuttons.
- Boxes used with enclosure protection mode.
- These control stations may be used for connection of intrinsically safe circuits but not in combination with non-intrinsically safe circuits.



TECHNICAL CHARACTERISTICS

They are designed for a voltage up to 1100 V and for a maximum ambient temperature up to +60°C, according to the kind of temperatures marked and currents assigned.
They are able to work between two temperature ranges, giving it greater versatility:

- -25°C ≤ Ta ≤60°C
- -25°C ≤ Ta ≤40°C when high current and temperature T6 are required.

As for the envelope, it is a box made of Luxorex stainless steel, which has the following characteristics:

- Ex Atex door cabinets made of stainless steel AISI 304L or AISI 316L and a satin polished surface finish.
- They are intended to be used in explosive atmospheres classified as zones 1, 2, 21 and 22 and to place Ex components and terminals inside, as well as cable glands.
- Unique monobloc system that achieves perfect sealing and impact resistance. With body pre-assembled, door and minimum welding.
- Earth mass for external connection.
- With double-bit quarter-turn locks and hinges made of stainless steel.
- Very resistant polyurethane seal at -25°C to + 60°C.

TERMINALS

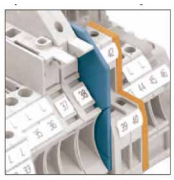
Weidmüller

Atex Delvalle mounts in Terbox Series, Weidmüller brand terminals.
We can also use other brands on request such as:

PHOENIX CONTACT · WAGO INNOVATIVE CONNECTIONS · ABB · legrand · Rockwell Automation

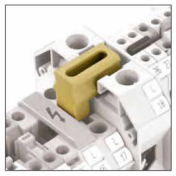
Delvalle offers users a wide range of accessories as ideal solutions for all possible tasks, even beyond the standard functions.

These accessories meet the same quality standards as the terminals themselves.

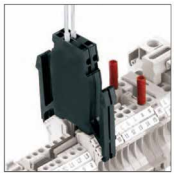

Visual separation endcaps

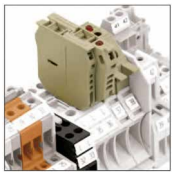

Signalling


Fixation


Electrical power supply


Electrical distribution


Testing


Specific functions, color variations

PROTECTION MODE

This box is certified for use in potentially explosive atmospheres of zones 1, 2, 21 and 22 and may be used with increased safety protection mode "Ex e" including increased safety connection terminals or enclosure protection mode "Ex t".

- Degree of protection Nema 4X, 12, 3r and 1 by request
- Certificate empty box terminal:
  - LOM 14ATEX3026U
- Certificate Terbox:
  - LOM 17ATEX1011
- Certificate quality:
  - LOM 14ATEX9050
- II 2G Ex eb IIC T6/T5 Gb
- II 2D Ex tb IIIC T85°C/100°C Db
- IP66 protection
- Degree of resistance against impact IK10

10 YEARS STAINLESS ANTICORROSIVE **GUARANTEE**

MADE TO MEASURE

5 YEARS MECHANICAL PARTS **GUARANTEE**

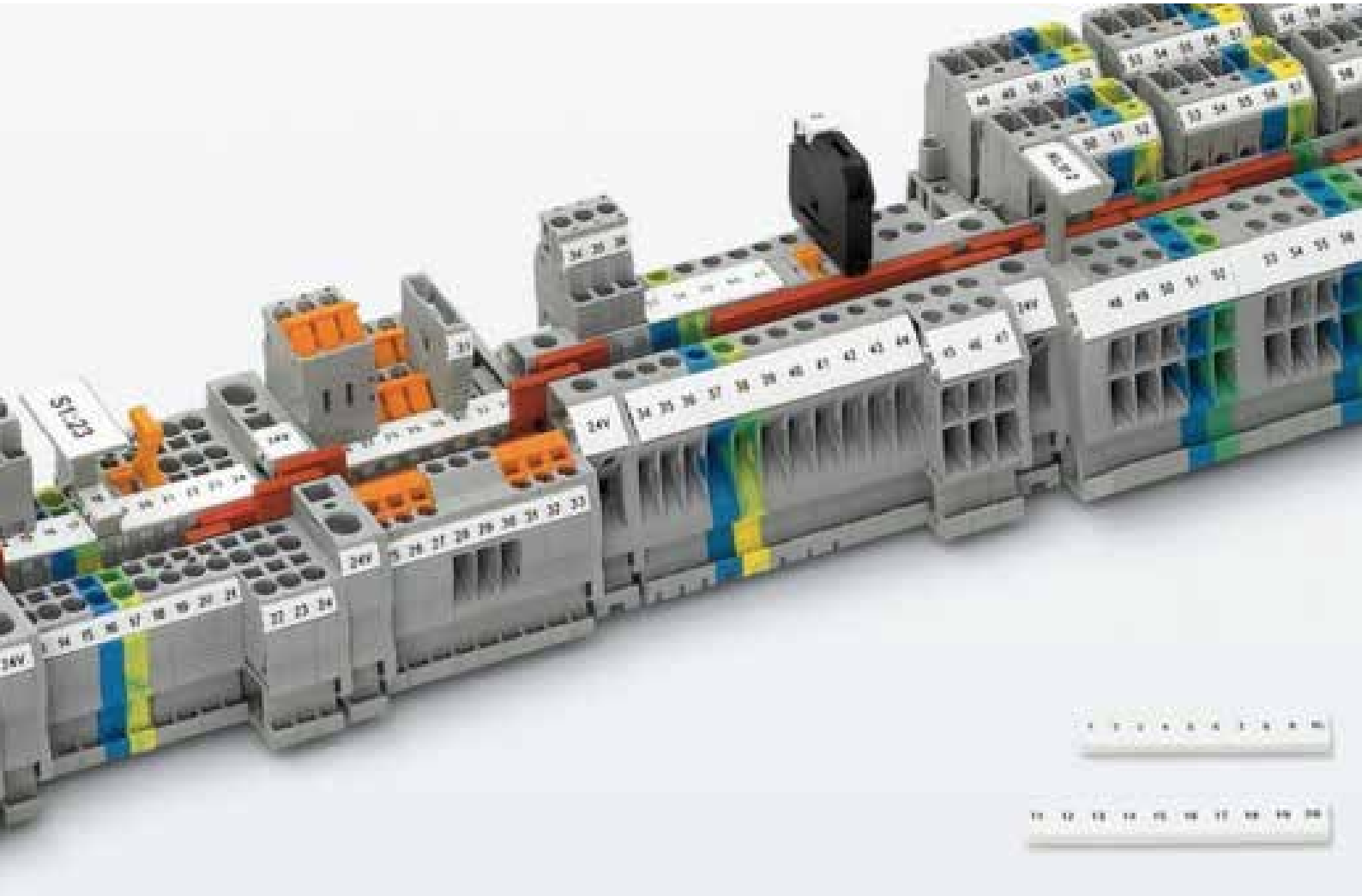
NORMATIVE

Atex & IECEx directive and normative:

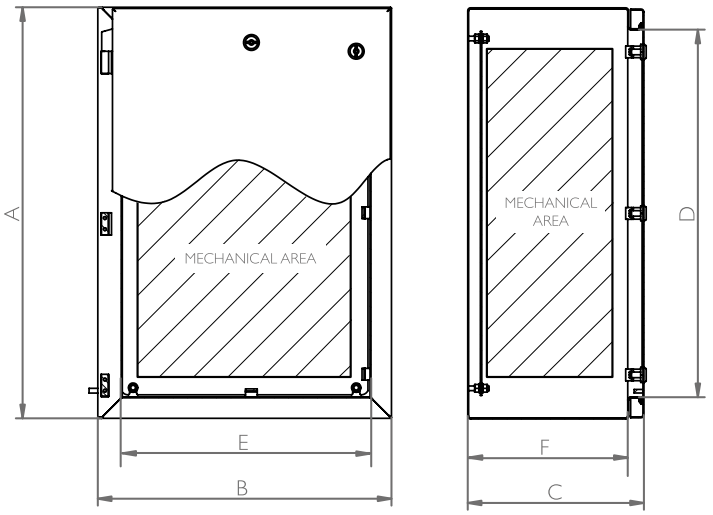
- Atex 2014/34/EU directive
- IP66 according to IEC Standard EN 62208 and EN 60529.
- IP (W) 66 corrosive environments.
- IEC 62208 and EN 62262. Degree of resistance against impact IK10.
- UNE-EN 60079-0:2011
- UNE-EN 60079-7:2007
- UNE-EN 60079-31:2014
- Operating temperature (ambience): -25° a ≤40°C.

NUMBER OF TERMINALS PER SIZE

REFERENCES	DIMENSIONS (mm)															
TERBOX LUXOREX	HEIGHT A	WIDTH B	DEPTH C	RAILS	1,5 mm^2	2,5 mm^2	4 mm^2	6 mm^2	10 mm^2	16 mm^2	35 mm^2	70 mm^2	95 mm^2	120 mm^2	240 mm^2	300 mm^2
LXCS302015EX	300	200	155	2	75	60	29	21	17	14	11	6	6	6	-	-
LXCS383015EX	380	300	155	2	115	90	70	60	40	40	30	8	8	8	6	4
LXCS383021EX	380	300	210	2	115	90	70	60	40	40	30	8	8	8	6	4
LXCS603815EX	600	380	155	2	115	90	70	60	40	40	30	8	8	8	6	4
LXCS603821EX	600	380	210	2	115	90	70	60	40	40	30	8	8	8	6	4
LXCS404021EX	400	400	210	2	115	90	70	60	40	40	30	8	8	8	6	4
LXCS504021EX	500	400	210	3	260	210	165	135	105	90	60	26	26	26	10	8
LXCS505021EX	500	500	210	3	260	210	165	135	105	90	60	26	26	26	10	8
LXCS705021EX	700	500	210	3	260	210	165	135	105	90	60	26	26	26	10	8
LXCS605021EX	600	500	210	4	450	360	300	220	180	114	84	34	34	34	24	20
LXCS606021EX	600	600	210	4	450	360	300	220	180	114	84	34	34	34	24	20
LXCS606030EX	600	600	300	4	450	360	300	220	180	114	84	34	34	34	24	20
LXCS806030EX	800	600	300	5	750	600	525	400	260	215	160	72	72	72	54	45
LXCS808030EX	800	800	300	5	750	600	525	400	260	215	160	72	72	72	54	45
LXCS108030EX	1000	800	300	6	1200	990	840	630	510	420	300	90	90	90	66	50
LXCS101030EX	1000	1000	300	5	1200	990	840	630	510	420	300	90	90	90	66	50



PLAN



10 YEARS
STAINLESS ANTICORROSIVE **GUARANTEE**

MADE TO MEASURE

5 YEARS
MECHANICAL PARTS **GUARANTEE**

REFERENCES

REFERENCES	DIMENSIONS (mm)								
TERBOX LUXOREX	HEIGHT A	WIDTH B	DEPTH C	INSIDE HEIGHT D	INSIDE WIDTH E	INSIDE DEPTH F	MACHINABLE SIDE AREA		PLATE MESUREMENTS GxH
							DOOR	LATERAL	
LXCS302015EX	300	200	155	226	121,8	126	113x134,5	270x97,5	220x120
LXCS383015EX	380	300	155	306	221,8	126	193x134,5	350x97,5	300x220
LXCS383021EX	380	300	210	306	221,8	181	193x134,5	350x152,5	300x220
LXCS603815EX	600	380	155	526	301,8	126	413x214,5	570x97,5	520x300
LXCS603821EX	600	380	210	526	301,8	181	413x214,5	570x152,5	520x300
LXCS404021EX	400	400	210	326	321,8	181	213x234,5	370x152,5	320x320
LXCS504021EX	500	400	210	426	321,8	181	313x234,5	470x152,5	420x320
LXCS505021EX	500	500	210	426	421,8	181	313x334,5	470x152,5	420x420
LXCS705021EX	700	500	210	626	421,8	181	513x334,5	670x152,5	620x420
LXCS605021EX	600	500	210	526	421,8	181	413x334,5	570x152,5	520x420
LXCS606021EX	600	600	210	526	521,8	181	413x434,5	570x152,5	520x520
LXCS606030EX	600	600	300	526	521,8	271	413x434,5	570x242,5	520x520
LXCS806030EX	800	600	300	726	521,8	271	613x434,5	770x242,5	720x520
LXCS808030EX	800	800	300	726	721,8	271	613x634,5	770x242,5	720x720
LXCS108030EX	1000	800	300	926	721,8	271	813x634,5	970x242,5	920x720
LXCS101030EX	1000	1000	300	926	921,8	271	813x834,5	970x242,5	920x920

Separation depth plate 20mm

Zones 1, 2, 21 and 22

HIGH CAPACITY TERMINAL BOXES

TERBOX - TRIBEX SERIES IP66

Examples

High Terminal Capacity

The Terbox-Tribex Series has the biggest terminal capacity available in the world, with certificate of component LOM 14ATEX3027U.

These boxes stand out for incorporating Atex & IECEx components already installed inside them, without needing to re-homologize in a laboratory once assembled.

FOR MORE INFORMATION CLICK HERE

ADVANTAGES

- Large dimensions, high terminal boxes capacity.
- Atex & IECEx components already installed inside.
- Indoor and outdoor use
- Large interior space that simplifies connection operations.
- Anti-corrosion protection guaranteed.
- It can store a large number of terminals, up to 1550 terminals in a single cabinet.
- Robustness, safety, reliability tested.
- Great safety and corrosion resistance in the most aggressive explosive environments thanks to the design and materials used in its manufacture.
- Double access option (front and rear doors).

TECHNICAL CHARACTERISTICS

They are designed for a maximum voltage up to 1100 V and for maximum ambient temperature up to 60 °C, depending on to the kind of temperature marked and currents assigned.
They are able to work between two temperature ranges giving greater versatility:

- -25°C ≤ Ta ≤60°C
- -25°C ≤ Ta ≤40°C

Each of the built-in components works for the purpose of thermal dissipation and temperature control in the same way as if they were terminals.
Regarding the enclosure, it is a box made of stainless steel Tribex, which has the following characteristics:

- Ex Atex cabinet doors made of stainless steel AISI 304L or AISI 316L and a satin polished surface finish.
- They are intended to be used in explosive atmospheres classified as zones 1, 2, 21 and 22 and to place Ex components and terminals inside, as well as cable glands.
- Unique monobloc system that achieves perfect sealing and impact resistance. Pre-assembled body and door with minimum welding.
- Earth mass for external connection.
- With double-bit quarter-turn locks and hinges made of stainless steel.
- Very resistant polyurethane seal from -25°C to +60°C.
- Plugs, holes and hinges that resist from -25°C to +60°C.

OPTIONS

- The enclosures can be used with increased safety protection mode "Ex e" including increased safety connection terminals or an "Ex t" envelope protection mode.
- Boxes used as maneuver stations, incorporating certified components of connection, maneuver, signalling: push-buttons, emergency mushrooms and lights.
- Boxes used with enclosure protection mode.
- These control stations may be used for connection of intrinsically safe circuits but not in combination with non-intrinsically safe circuits.

TERMINALS

Weidmüller

Atex Delvalle mounts in Terbox Series, Weidmüller brand terminals.
We can also use other brands on request such as:

PHOENIX CONTACT · WAGO INNOVATIVE CONNECTIONS · ABB · legrand · Rockwell Automation

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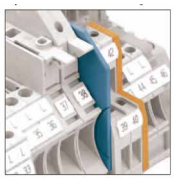
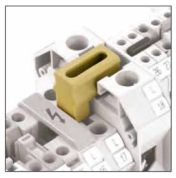
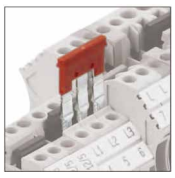
These accessories meet the same quality standards as the terminals themselves.

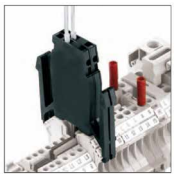

Visual separation endcaps

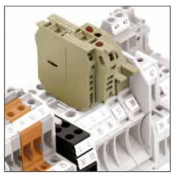

Signalling


Fixation


Electrical power supply


Electrical distribution


Testing


Specific functions, color variations

PROTECTION MODE

This box is certified for use in potentially explosive atmospheres of zones 1, 2, 21 and 22 and may be used with increased safety protection mode "Ex e" including increased safety connection terminals or enclosure protection mode "Ex t".

- Certificate empty box terminal:
  - LOM 14ATEX3027U
- Certificate Terbox:
  - LOM 17ATEX1012
- Certificate quality:
  - LOM 14ATEX9050
- II 2G Ex eb IIC T6/T5 Gb
- II 2D Ex tb IIIC T85°C/100°C Db
- Protection degree Nema 4X, 12, 3r and 1 by request
- Degree of resistance against impact IK10
- IP66 protection

10 YEARS STAINLESS ANTICORROSIVE **GUARANTEE**

MADE TO MEASURE

5 YEARS MECHANICAL PARTS **GUARANTEE**

NORMATIVE

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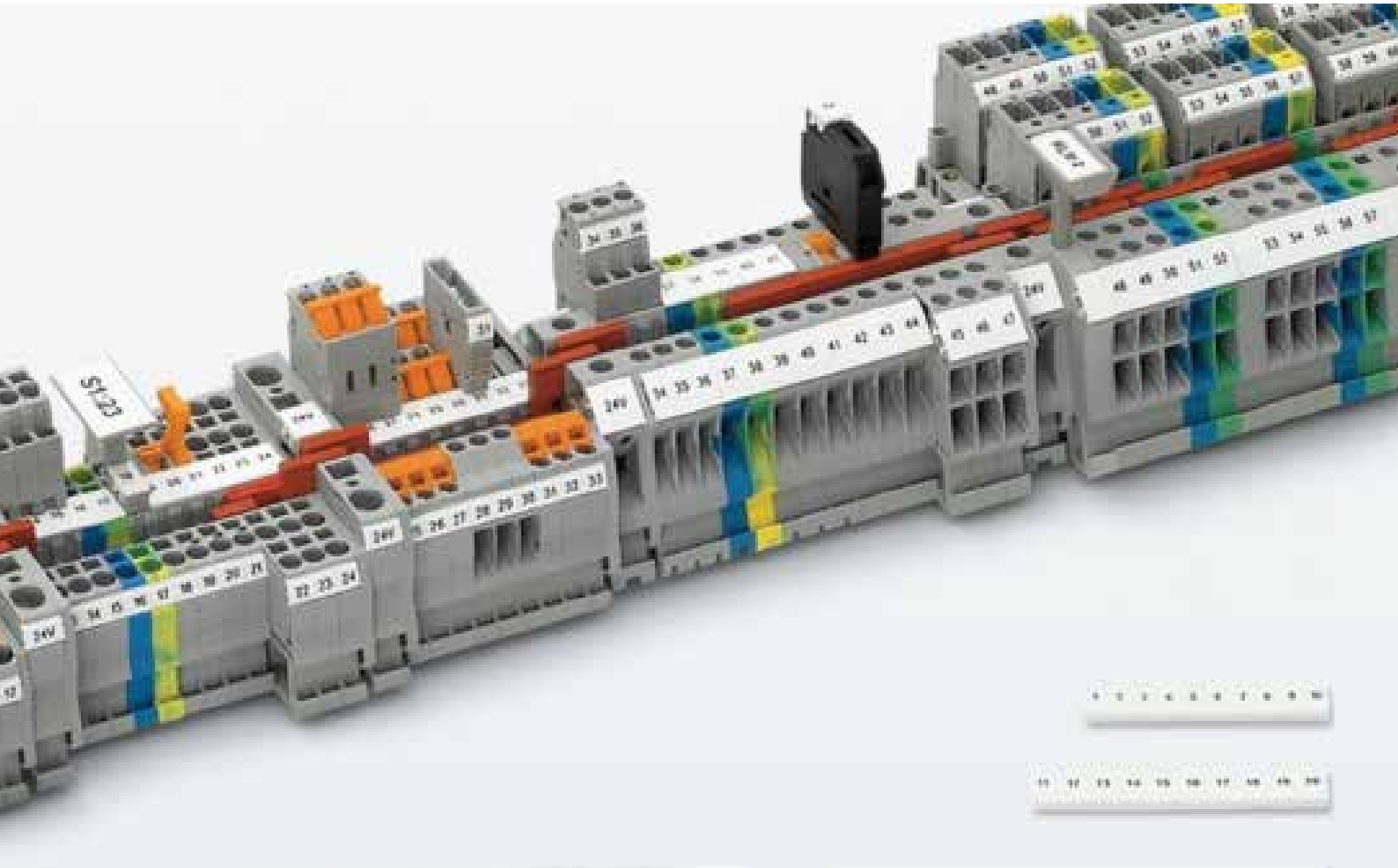
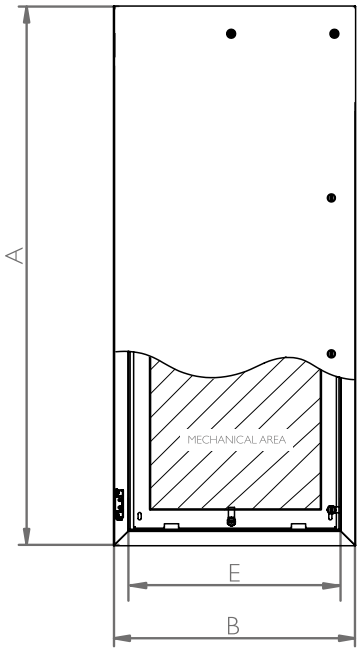
- IP (W) 66 corrosive environments.
- IEC 62208 and EN 62262. Degree of resistance against impact IK10.
- UNE-EN 60079-0:2011
- UNE-EN 60079-7:2007
- UNE-EN 60079-31:2014
- Operating temperature (ambience): -25° a ≤40°C.

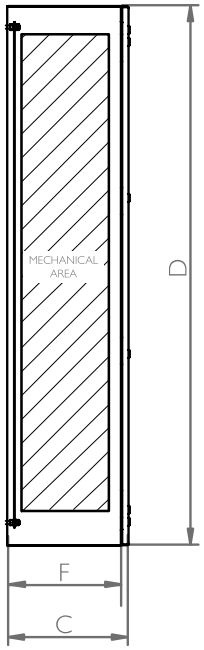
NUMBER OF TERMINALS PER SIZE

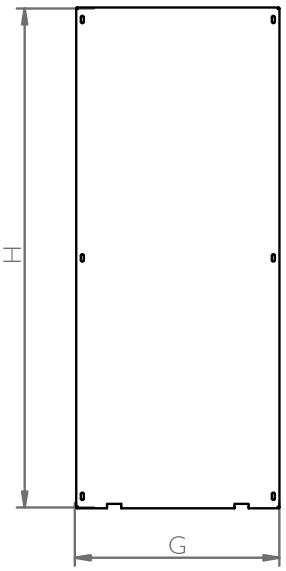
REFERENCES	DIMENSIONS (mm)															
TERBOX TRIBEX	HEIGHT A	WIDTH B	DEPTH C	RAILS	1,5 mm^2	2,5 mm^2	4 mm^2	6 mm^2	10 mm^2	16 mm^2	35 mm^2	70 mm^2	95 mm^2	120 mm^2	240 mm^2	300 mm^2
TBCS126040EX	1200	600	400	4	950	760	640	500	400	320	240	70	70	70	54	48
TBCS128040EX	1200	800	400	4	950	760	640	500	400	320	240	70	70	70	54	48
TBCS121040EX	1200	1000	400	4	950	760	640	500	400	320	240	70	70	70	54	48
TBCS166040EX	1650	600	400	4	1340	1080	920	700	560	460	348	100	100	100	70	60
TBCS168040EX	1650	800	400	4	1340	1080	920	700	560	460	348	100	100	100	70	60
TBCS161040EX	1650	1000	400	4	1340	1080	920	700	560	460	348	100	100	100	70	60
TBCS186040EX	1800	600	400	4	1550	1260	1040	800	640	520	400	120	120	120	88	70
TBCS188040EX	1800	800	400	4	1550	1260	1040	800	640	520	400	120	120	120	88	70
TBCS188050EX	1800	800	500	4	1550	1260	1040	800	640	520	400	120	120	120	88	70
TBCS181040EX	1800	1000	400	4	1550	1260	1040	800	640	520	400	120	120	120	88	70
TBCS181050EX	1800	1000	500	4	1550	1260	1040	800	640	520	400	120	120	120	88	70
TBCS206040EX	2000	600	400	4	1550	1260	1040	800	640	520	400	120	120	120	88	70
TBCS208040EX	2000	800	400	4	1550	1260	1040	800	640	520	400	120	120	120	88	70
TBCS208050EX	2000	800	500	4	1550	1260	1040	800	640	520	400	120	120	120	88	70
TBCS208010EX	2000	800	1000	4	1550	1260	1040	800	640	520	400	120	120	120	88	70
TBCS201040EX	2000	1000	400	4	1550	1260	1040	800	640	520	400	120	120	120	88	70
TBCS201060EX	2000	1000	600	4	1550	1260	1040	800	640	520	400	120	120	120	88	70
TBCS201010EX	2000	1000	1000	4	1550	1260	1040	800	640	520	400	120	120	120	88	70



BLUEPRINT AND DIMENSIONS







10 YEARS
STAINLESS ANTICORROSIVE **GUARANTEE**

MADE TO MEASURE

5 YEARS
MECHANICAL PARTS **GUARANTEE**

REFERENCES

REFERENCES	DIMENSIONS (mm)							
TERBOX TRIBEX	HEIGHT A	WIDTH B	DEPTH C	INSIDE HEIGHT D	INSIDE WIDTH E	INSIDE DEPTH F	MACHINABLE SIDE AREA (F -15mm per side)	PLATE MESUREMENTS GxH
TBCS126040EX	1200	600	400	1116	546	370	340	1140x470
TBCS128040EX	1200	800	400	1116	746	370	340	1140x670
TBCS121040EX	1200	1000	400	1116	946	370	340	1140x870
TBCS166040EX	1650	600	400	1566	546	370	340	1590x470
TBCS168040EX	1650	800	400	1566	746	370	340	1590x670
TBCS161040EX	1650	1000	400	1566	946	370	340	1590x870
TBCS186040EX	1800	600	400	1716	546	370	340	1740x470
TBCS188040EX	1800	800	400	1716	746	370	340	1740x670
TBCS188050EX	1800	800	500	1716	746	470	440	1740x670
TBCS181040EX	1800	1000	400	1716	946	370	340	1740x870
TBCS181050EX	1800	1000	500	1716	946	470	440	1740x870
TBCS206040EX	2000	600	400	1916	546	370	340	1940x470
TBCS208040EX	2000	800	400	1916	746	370	340	1940x670
TBCS208050EX	2000	800	500	1916	746	470	440	1940x670
TBCS208010EX	2000	800	1000	1916	746	970	940	1940x670
TBCS201040EX	2000	1000	400	1916	946	370	340	1940x870
TBCS201060EX	2000	1000	600	1916	946	570	540	1940x870
TBCS201010EX	2000	1000	1000	1916	946	970	940	1940x870

Separation depth plate 20mm

Zones 1, 2, 21 and 22

EX TERMINAL & JUNCTION BOX
TERBOX SERIES IP67

Examples

Gives Cost and Time Savings

Terbox-Geoex IP67 Series of terminal boxes are made of stainless steel; based on the design and specifications of our Geoex boxes (which are Ex-certified as final product). Terbox can be used in projects requiring the assembly and certification of junction boxes with terminal, cable glands and push-buttons, giving cost and time savings.
Terminal boxes are used for dividing and connecting wires for various electrical apparatus and instruments in the circuits. Installation is certified for zones 1, 2, 21 and 22.

FOR MORE INFORMATION CLICK HERE

EX TERMINAL & JUNCTION BOX TERBOX SERIES IP67

TECHNICAL FEATURES

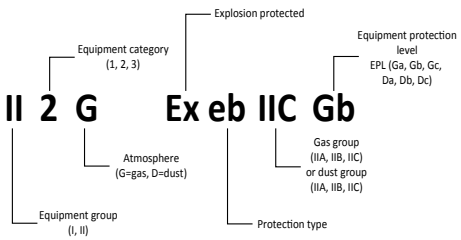
- For use in zones 1, 2, 21 and 22 and to place Ex component terminals.
- IP67 certified allows this enclosure be inmersion in to 1 meter deph of water without ingress during 30 minutes, can be used indoors or outdoor aplications.
- Easy opening thanks to a screwed cover.
- Strict IEC 60079-7 tests passed.
- Sea water resistant.
- External M6 ground connection.
- Wide range of ambient temperatures.
- Thickness 1.5 mm (depending on boxes).

NORMATIVE

Atex & IECEx directive and normative:

- Atex 2014/34/EU directive
- IP67 according to IEC Standard EN 62208 and EN 60529.
- IP (W) 67 corrosive environments.
- IEC 62208 and EN 62262. Degree of resistance against impact IK10.
- UNE-EN 60079-0:2011
- UNE-EN 60079-7:2007
- UNE-EN 60079-31:2014
- Operating temperature (ambience): -25° a ≤60°C.

CE CERTIFICATE



OPTIONS

- Available in IP66 or IP68.
- Made of stainless steel AISI 304L or AISI 316L.
- Optional cable entry cover.
- Optional hinges.
- Different mounting options.

PROTECTION MODE

- According to directive EN 60079-0 for empty enclosures:
  - II2G Ex eb IIC Gb
  - II2D Ex tb IIIC Db
- According to directive EN 60079-0 for terminal boxes:
  - II2G Ex eb IIC Gb
  - II2D Ex tb IIIC Db
- Certificate empty box terminal:
  - LOM 14ATEX3028U
- Certificate Terbox:
  - LOM 14ATEX2082
- Certificate quality:
  - LOM 14ATEX9050
- Maximum IK10 norm IEC 62262.
- Voltage range: max. 1100 V and current and voltage range: max. 350 A (depending on the types of terminal and Ex components used).

atex delvalle®
HAZARDOUS AREA SOLUTIONS

+34 945 601 381
Paso el Prao 6
Oyón, 01320 (Spain)
atex@atexdelvalle.com
www.atexdelvalle.com

CE 163 Ex — II 2G Ex e IIC T6 Gb
II 2D Ex tb IIIC T85ºC Db

LOM 14 ATEX 2082	Type: GEOTB202012EX	
U_N= V	-25ºC<Ta<+60ºC	AISI304L
I_N= A	S. Nº / Year PV1415-00570-1A / 2014	

DO NOT OPEN WHEN ENERGIZED

TERMINALS

Weidmüller

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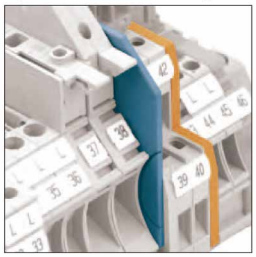
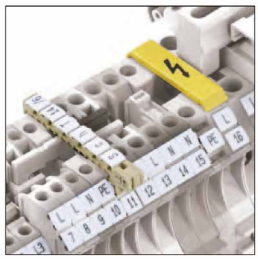
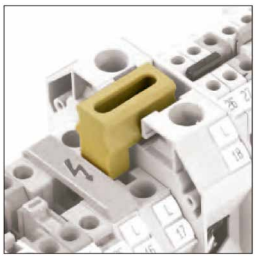


Visual separation
Endcaps

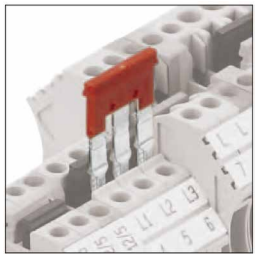


Signalling

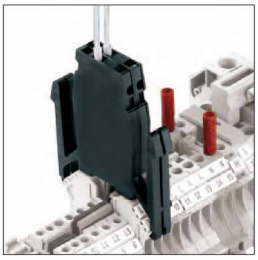
Fixation



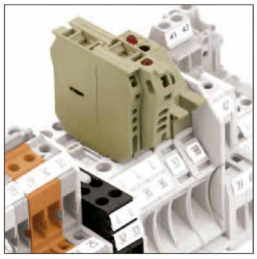
Electrical power
supply



Electrical distribution



Testing



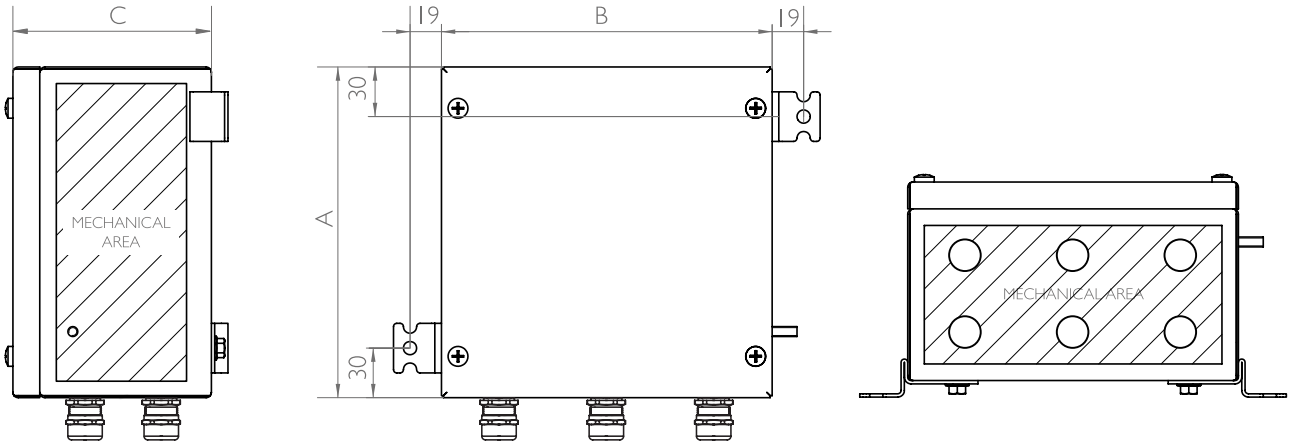
Specific functions,
color variations

EX TERMINAL & JUNCTION BOX TERBOX SERIES IP67

TURNKEY PROJECTS

Options available include sizes, colours, types of connection among others. As we have a close relationship with the main **Atex & IECEx certified** companies in our field, we achieve total adaptability and flexibility being **manufacturers**

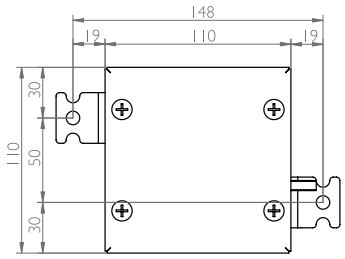
PLANS AND REFERENCES

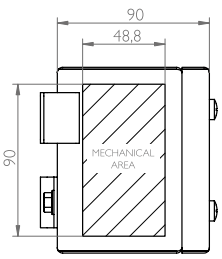


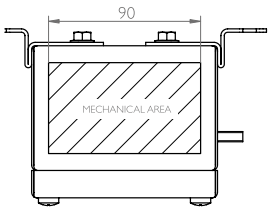
REFERENCES	Nº TERMINALS														
REFERENCES	Nº RAILS	DIMENSIONS (mm)			6 A	10 A	16 A	24 A	32 A	50 A	80 A	110 A	130 A	150 A	230 A
		HEIGHT A	WIDTH B	DEPTH C	1,5 mm^2	2,5 mm^2	4 mm^2	6 mm^2	10 mm^2	16 mm^2	35 mm^2	70 mm^2	95 mm^2	120 mm^2	240 mm^2
GEOTB111190EX67	1	110	110	90	6	5	5	4	--	--	--	--	--	--	--
GEOTB161190EX67	1	160	110	90	15	13	10	8	--	--	--	--	--	--	--
GEOTB111690EX67	1	110	160	90	15	13	10	8	--	--	--	--	--	--	--
GEOTB261112EX67	1	260	110	120	30	25	20	18	13	--	--	--	--	--	--
GEOTB112612EX67	1	110	260	120	30	25	20	18	13	--	--	--	--	--	--
GEOTB202012EX67	2	200	200	120	60	50	45	40	30	15	8	--	--	--	--
GEOTB252515EX67	2	250	250	150	80	75	60	50	40	30	20	15	15	--	--
GEOTB302015EX67	2	300	200	150	100	90	70	55	50	35	25	15	15	--	--
GEOTB203015EX67	2	200	300	150	100	90	70	55	50	35	25	15	15	--	--
GEOTB303015EX67	3	300	300	150	110	100	80	65	60	41	35	25	25	--	--
GEOTB404017EX67	3	400	400	170	145	130	100	75	60	50	40	35	30	--	--
GEOTB505017EX67	3	500	500	170	170	150	100	75	60	50	40	35	35	30	30
GEOTB606017EX67	4	600	600	170	200	160	100	75	60	50	40	40	35	30	30

EX TERMINAL & JUNCTION BOX TERBOX SERIES IP67

MEASURES 110X100X90







MAXIMUM NUMBER OF INPUTS PER SIDE							
THREAD SIZE	M12	M16	M20	M25	M32	M40	M50
BOTTOM AND TOP	14	8	6	5	3	1	1
SIDES	14	8	6	5	3	1	1

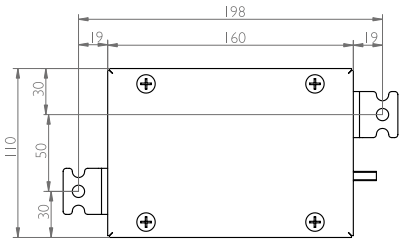
REFERENCES	MAXIMUM NUMBER TERMINALS			
REFERENCES	SECTION mm²	CURRENT MAX. (A)	VOLTAGE MAX. (V)	N° RAILS
				1
ZDU 1.5	1.5	15	550	6
ZDU 2.5	2.5	21	550	5
ZDU 4	4	28	550	5
ZDU 6	6	36	550	4

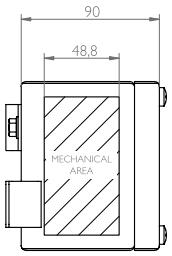
10 YEARS
STAINLESS ANTICORROSIVE **GUARANTEE**

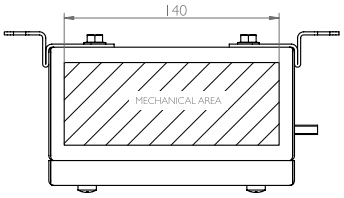
MADE TO MEASURE

5 YEARS
MECHANICAL PARTS **GUARANTEE**

MEASURES 110X160X90





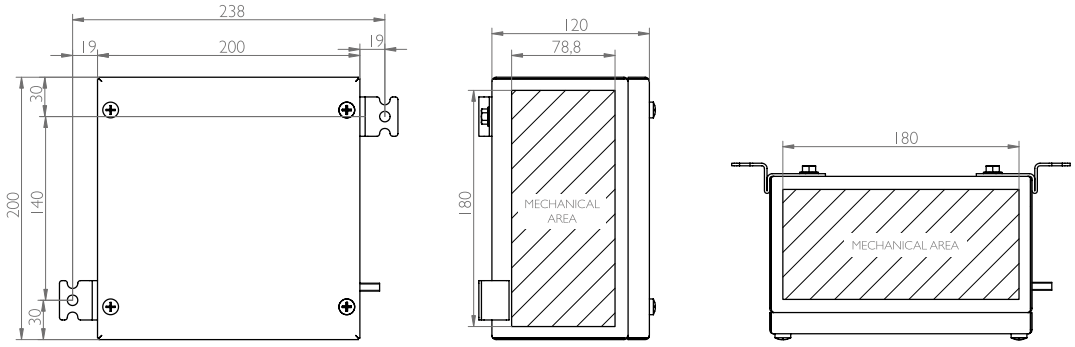


MAXIMUM NUMBER OF INPUTS PER SIDE							
THREAD SIZE	M12	M16	M20	M25	M32	M40	M50
BOTTOM AND TOP	14	8	6	5	3	1	1
SIDES	23	15	10	7	5	3	2

REFERENCES	MAXIMUM NUMBER TERMINALS			
REFERENCES	SECTION mm²	CURRENT MAX. (A)	VOLTAGE MAX. (V)	N° RAILS
				1
ZDU 1.5	1.5	15	550	15
ZDU 2.5	2.5	20	550	13
ZDU 4	4	28	550	10
ZDU 6	6	36	550	8

EX TERMINAL & JUNCTION BOX TERBOX SERIES IP67

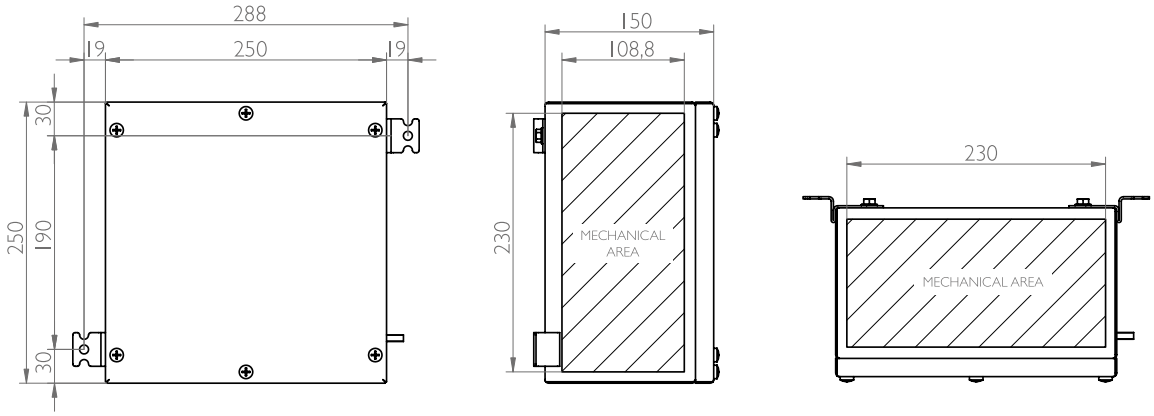
MEASURES 200X200X120



MAXIMUM NUMBER OF INPUTS PER SIDE									
THREAD SIZE	M12	M16	M20	M25	M32	M40	M50	M63	M75
BOTTOM AND TOP	48	30	20	14	8	5	3	2	1
SIDES	29	20	13	9	5	3	2	-	-

REFERENCES	MAXIMUM NUMBER TERMINALS			
REFERENCES	SECTION mm²	CURRENT MAX. (A)	VOLTAGE MAX. (V)	N° RAILS
				2
ZDU 1.5	1.5	15	550	60
ZDU 2.5	2.5	20	550	50
ZDU 4	4	28	550	45
ZDU 6	6	36	550	40
ZDU 10	10	50	550	30
ZDU 16	16	63	550	15
WDU 35	35	109	690	8

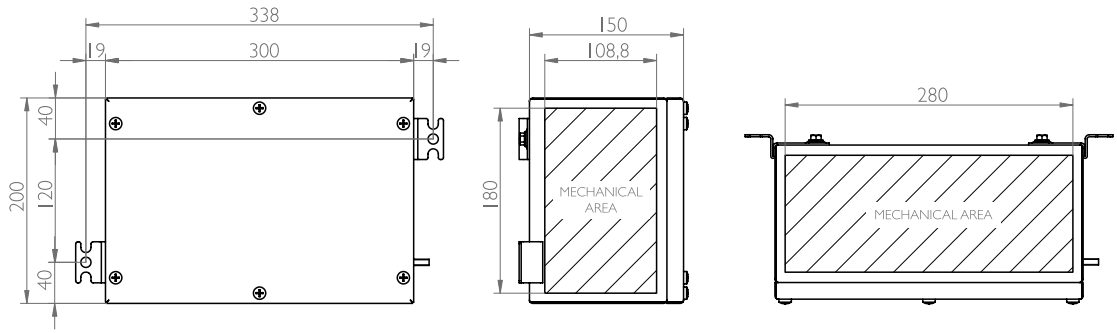
MEASURES 250X250X150



MAXIMUM NUMBER OF INPUTS PER SIDE									
THREAD SIZE	M12	M16	M20	M25	M32	M40	M50	M63	M75
BOTTOM AND TOP	75	48	34	26	14	8	5	3	2
SIDES	50	29	26	20	9	5	3	2	2

REFERENCES	MAXIMUM NUMBER TERMINALS			
REFERENCES	SECTION mm²	CURRENT MAX. (A)	VOLTAGE MAX. (V)	N° RAILS
				2
ZDU 1.5	1.5	15	550	80
ZDU 2.5	2.5	20	550	75
ZDU 4	4	28	550	60
ZDU 6	6	36	550	50
ZDU 10	10	50	550	40
ZDU 16	16	63	550	30
WDU 35	35	109	690	20
WDU 70	70	167	690	15
WDU 95	95	202	690	15

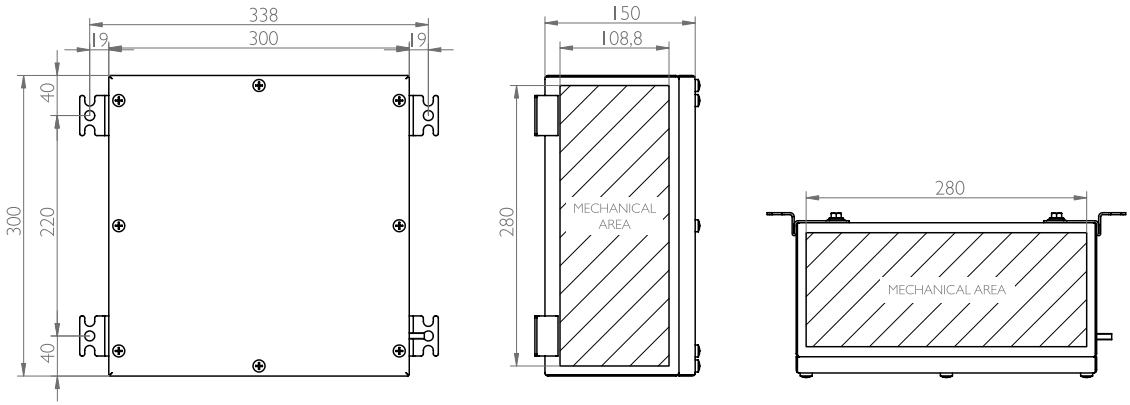
MEASURES 300X200X150



MAXIMUM NUMBER OF INPUTS PER SIDE									
THREAD SIZE	M12	M16	M20	M25	M32	M40	M50	M63	M75
BOTTOM AND TOP	93	63	42	30	17	11	7	3	3
SIDES	38	30	20	14	8	5	3	2	1

REFERENCES	MAXIMUM NUMBER TERMINALS			
REFERENCES	SECTION mm^2	CURRENT MAX. (A)	VOLTAGE MAX. (V)	N° RAILS 2
ZDU 1.5	1.5	15	550	100
ZDU 2.5	2.5	20	550	90
ZDU 4	4	28	550	70
ZDU 6	6	36	550	55
ZDU 10	10	50	550	50
ZDU 16	16	63	550	35
WDU 35	35	109	690	25
WDU 70	70	167	690	15
WDU 95	95	202	750	15

MEASURES 300X300X150

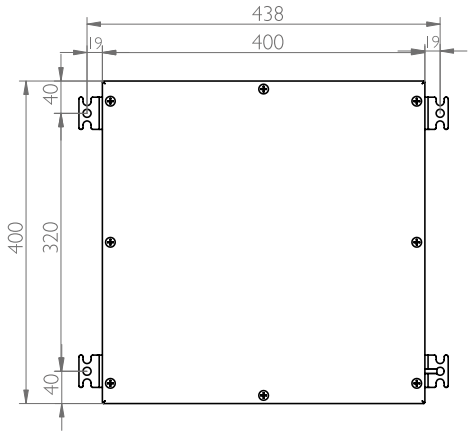


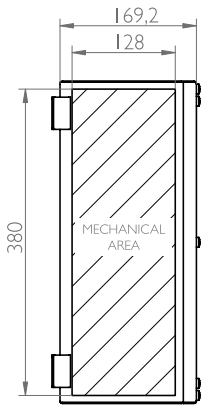
MAXIMUM NUMBER OF INPUTS PER SIDE									
THREAD SIZE	M12	M16	M20	M25	M32	M40	M50	M63	M75
BOTTOM AND TOP	87	63	43	30	18	11	7	3	2
SIDES	58	38	29	23	14	7	5	3	2

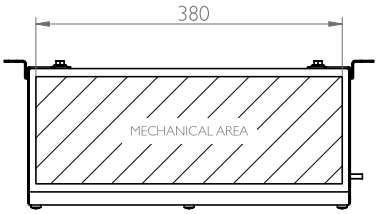
REFERENCES	MAXIMUM NUMBER TERMINALS			
REFERENCES	SECTION mm^2	CURRENT MAX. (A)	VOLTAGE MAX. (V)	N° RAILS 2
ZDU 1.5	1.5	15	550	110
ZDU 2.5	2.5	20	550	100
ZDU 4	4	28	550	80
ZDU 6	6	36	550	65
ZDU 10	10	50	550	60
ZDU 16	16	66	550	41
WDU 35	35	109	690	35
WDU 70	70	167	690	25
WDU 95	95	202	750	25

EX TERMINAL & JUNCTION BOX TERBOX SERIES IP67

MEASURES 400X400X170



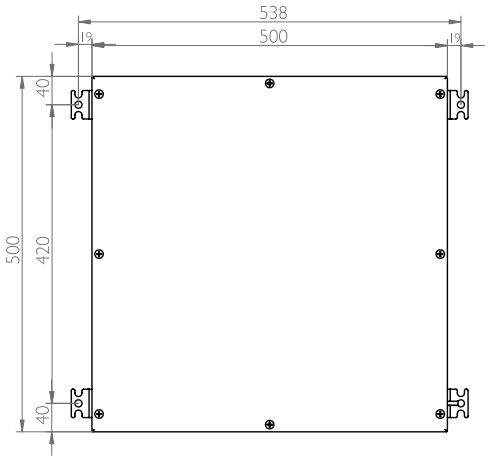


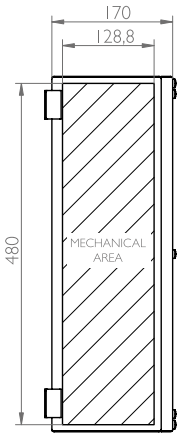


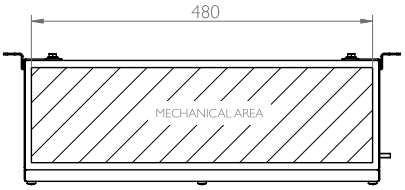
MAXIMUM NUMBER OF INPUTS PER SIDE									
THREAD SIZE	M12	M16	M20	M25	M32	M40	M50	M63	M75
BOTTOM AND TOP	87	63	43	30	18	11	7	3	2
SIDES	58	38	29	23	14	7	5	3	2

REFERENCES	MAXIMUM NUMBER TERMINALS			
REFERENCES	SECTION mm²	CURRENT MAX. (A)	VOLTAGE MAX. (V)	N° RAILS 2
ZDU 1.5	1.5	15	550	110
ZDU 2.5	2.5	20	550	100
ZDU 4	4	28	550	80
ZDU 6	6	36	550	65
ZDU 10	10	50	550	60
ZDU 16	16	66	550	41
WDU 35	35	109	690	35
WDU 70	70	167	690	25
WDU 95	95	202	750	25

MEASURES 500X500X170





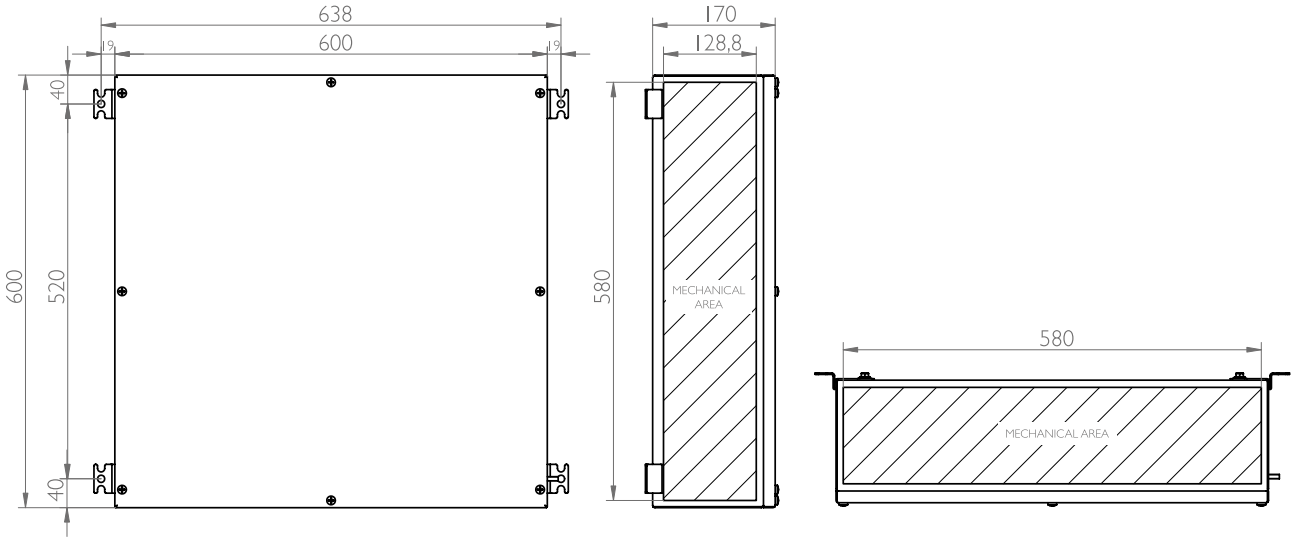


MAXIMUM NUMBER OF INPUTS PER SIDE									
THREAD SIZE	M12	M16	M20	M25	M32	M40	M50	M63	M75
BOTTOM AND TOP	137	109	87	50	38	23	13	7	4
SIDES	98	78	58	38	29	15	11	5	4

REFERENCES	MAXIMUM NUMBER TERMINALS			
REFERENCES	SECTION mm²	CURRENT MAX. (A)	VOLTAGE MAX. (V)	N° RAILS 3
ZDU 1.5	1.5	15	550	170
ZDU 2.5	2.5	20	550	150
ZDU 4	4	28	550	100
ZDU 6	6	36	550	75
ZDU 10	10	50	550	60
ZDU 16	16	63	550	50
WDU 35	35	109	690	40
WDU 70	70	167	690	35
WDU 95	95	202	750	35
WDU 120	120	234	1100	30
WDU 240	240	350	1100	30

EX TERMINAL & JUNCTION BOX TERBOX SERIES IP67

MEASURES 600X600X170



MAXIMUM NUMBER OF INPUTS PER SIDE									
THREAD SIZE	M12	M16	M20	M25	M32	M40	M50	M63	M75
BOTTOM AND TOP	137	109	87	50	38	23	13	7	4
SIDES	98	78	58	38	29	15	11	5	4

REFERENCES	MAXIMUM NUMBER TERMINALS			
REFERENCES	SECTION mm^2	CURRENT MAX. (A)	VOLTAGE MAX. (V)	N° RAILS
				4
ZDU 1.5	1.5	15	550	200
ZDU 2.5	2.5	20	550	160
ZDU 4	4	28	550	100
ZDU 6	6	36	550	75
ZDU 10	10	50	550	60
ZDU 16	16	63	550	50
WDU 35	35	109	690	40
WDU 70	70	167	690	40
WDU 95	95	202	750	35
WDU 120	120	234	1100	30
WDU 240	240	350	1100	30

Zones 1, 2, 21 and 22

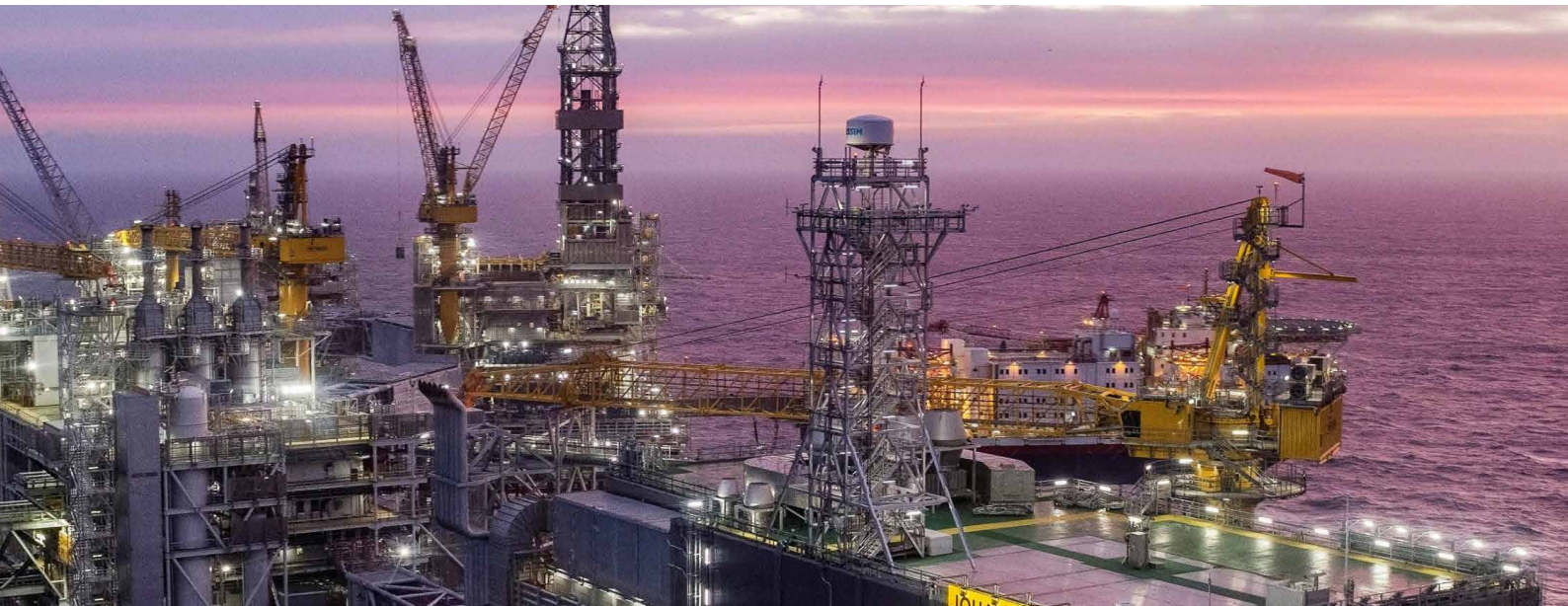
EX TERMINAL & JUNCTION BOX
TERBOX SERIES IP68

Examples

Terminal Boxes Are Used for Connecting Wires for Electrical Apparatus and Instruments in the Circuits

Terbox-Geoex IP68 Series of terminal boxes are made of stainless steel; based on the design and specifications of our Geoex boxes (which are Ex-certified as final product). Terbox can be used in projects requiring the assembly and certification of junction boxes with terminal, cable glands and push-buttons, giving cost and time savings.
Terminal boxes are used for dividing and connecting wires for various electrical apparatus and instruments in the circuits. This boxes are certified for installed in zones 1, 2, 21 and 22.

FOR MORE INFORMATION CLICK HERE



EX TERMINAL & JUNCTION BOX TERBOX SERIES IP68

TECHNICAL FEATURES

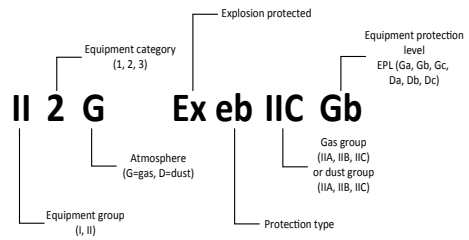
- For use in zones 1, 2, 21 and 22 and to place Ex component terminals.
- IP68 certified allows this enclosure be inmersion in to 1 meters of water without ingress during 7 days.
- Easy opening thanks to a screwed cover.
- Strict IEC 60079-7 tests passed.
- Sea water resistant.
- External M6 ground connection.
- Wide range of ambient temperatures.
- Thickness 1.5 mm (depending on boxes).

NORMATIVE

Atex & IECEx directive and normative:

- Atex 2014/34/EU directive
- IP68 according to IEC Standard EN 62208 and EN 60529.
- IP (W) 68 corrosive environments.
- IEC 62208 and EN 62262. Degree of resistance against impact IK10.
- UNE-EN 60079-0:2011
- UNE-EN 60079-7:2007
- UNE-EN 60079-31:2014
- Operating temperature (ambience): -25° a ≤60°C.

CE CERTIFICATE



OPTIONS

- Available in IP66 or IP67.
- Made of stainless steel AISI 304L or AISI 316L.
- Optional cable entry cover.
- Optional hinges.
- Different mounting options.

PROTECTION MODE

- According to directive EN 60079-0 for empty enclosures:
  - II2G Ex eb IIC Gb
  - II2D Ex tb IIIC Db
- According to directive EN 60079-0 for terminal boxes:
  - II2G Ex eb IIC Gb
  - II2D Ex tb IIIC Db
- Certificate empty box terminal:
  - LOM 14ATEX3028U
- Certificate Terbox:
  - LOM 14ATEX2082
- Certificate quality:
  - LOM 14ATEX9050
- Maximum IK10 norm IEC 62262.
- Voltage range: max. 1100 V and current and voltage range: max. 350 A (depending on the types of terminal and Ex components used).

atex delvalle®
HAZARDOUS AREA SOLUTIONS

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Paso el Prao 6
Oyón, 01320 (Spain)
atex@atexdelvalle.com
www.atexdelvalle.com

CE 163 Ex
II 2G Ex e IIC T6 Gb
II 2D Ex tb IIIC T85ºC Db

LOM 14 ATEX 2082	Type: GEOTB202012EX	
U_N= V	-25ºC<Ta<+60ºC	AISI304L
I_N= A	S. Nº / Year PV1415-00570-1A / 2014	

DO NOT OPEN WHEN ENERGIZED

EX TERMINAL & JUNCTION BOX TERBOX SERIES IP68

TERMINALS

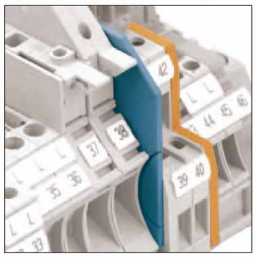
Weidmüller

Atex Delvalle mounts in Terbox Series, Weidmüller brand terminals.
We can also use other brands on request such as:

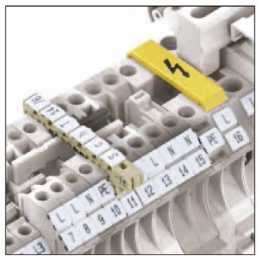
PHOENIX CONTACT · WAGO INNOVATIVE CONNECTIONS · ABB · legrand · Rockwell Automation

Delvalle offers users a wide range of accessories as ideal solutions for all possible tasks, even beyond the standard functions.

These accessories meet the same quality standards as the terminals themselves.

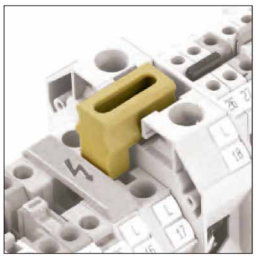


Visual separation
Endcaps

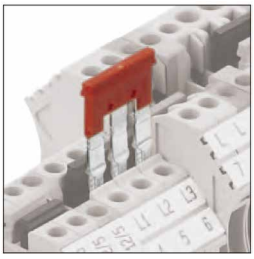


Signalling

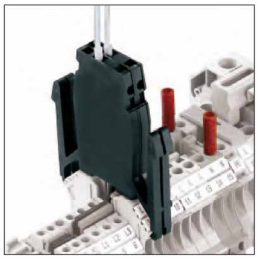
Fixation



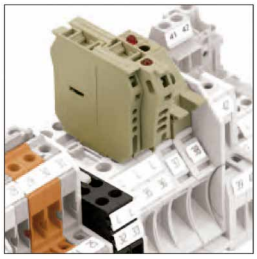
Electrical power supply



Electrical distribution



Testing



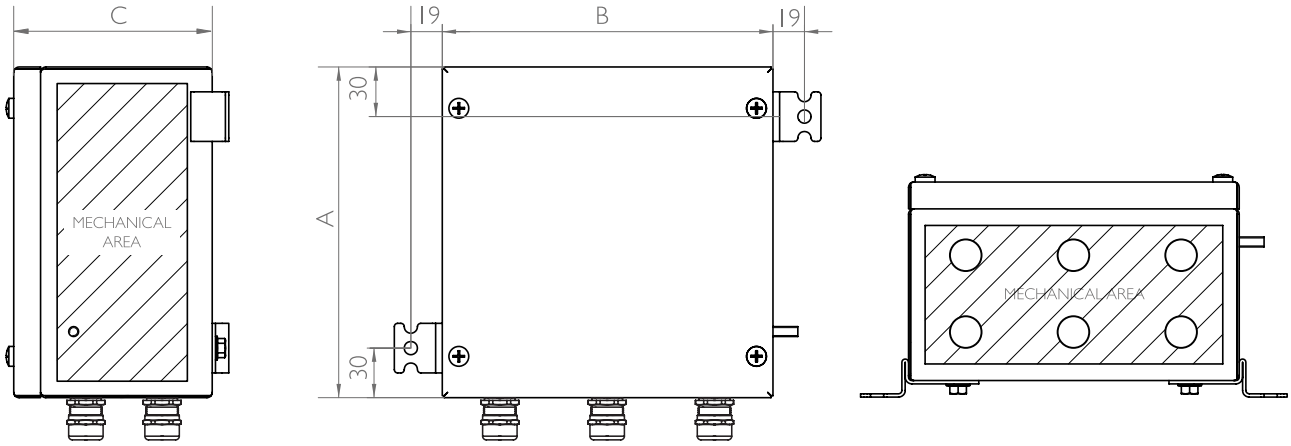
Specific functions, color variations

EX TERMINAL & JUNCTION BOX TERBOX SERIES IP68

TURNKEY PROJECTS

Options available include sizes, colours, types of connection among others. As we have a close relationship with the main **Atex & IECEx certified** companies in our field, we achieve total adaptability and flexibility being **manufacturers**

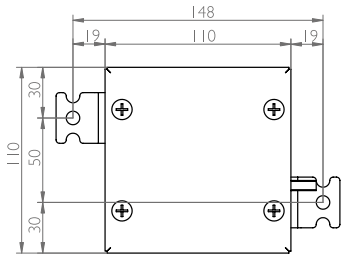
PLANS AND REFERENCES

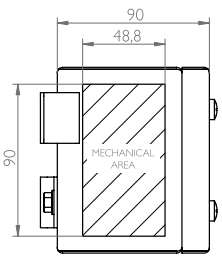


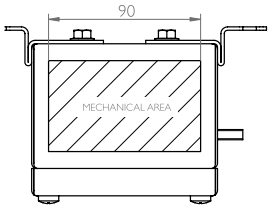
REFERENCES	Nº TERMINALS														
REFERENCES	Nº RAILS	DIMENSIONS (mm)			6 A	10 A	16 A	24 A	32 A	50 A	80 A	110 A	130 A	150 A	230 A
		HEIGHT A	WIDTH B	DEPTH C	1,5 mm^2	2,5 mm^2	4 mm^2	6 mm^2	10 mm^2	16 mm^2	35 mm^2	70 mm^2	95 mm^2	120 mm^2	240 mm^2
GEOTB111190EX68	1	110	110	90	6	5	5	4	--	--	--	--	--	--	--
GEOTB161190EX68	1	160	110	90	15	13	10	8	--	--	--	--	--	--	--
GEOTB111690EX68	1	110	160	90	15	13	10	8	--	--	--	--	--	--	--
GEOTB261112EX68	1	260	110	120	30	25	20	18	13	--	--	--	--	--	--
GEOTB112612EX68	1	110	260	120	30	25	20	18	13	--	--	--	--	--	--
GEOTB202012EX68	2	200	200	120	60	50	45	40	30	15	8	--	--	--	--
GEOTB252515EX68	2	250	250	150	80	75	60	50	40	30	20	15	15	--	--
GEOTB302015EX68	2	300	200	150	100	90	70	55	50	35	25	15	15	--	--
GEOTB203015EX68	2	200	300	150	100	90	70	55	50	35	25	15	15	--	--
GEOTB303015EX68	3	300	300	150	110	100	80	65	60	41	35	25	25	--	--
GEOTB404017EX68	3	400	400	170	145	130	100	75	60	50	40	35	30	--	--
GEOTB505017EX68	3	500	500	170	170	150	100	75	60	50	40	35	35	30	30
GEOTB606017EX68	4	600	600	170	200	160	100	75	60	50	40	40	35	30	30

EX TERMINAL & JUNCTION BOX TERBOX SERIES IP68

MEASURES 110X100X90







MAXIMUM NUMBER OF INPUTS PER SIDE							
THREAD SIZE	M12	M16	M20	M25	M32	M40	M50
BOTTOM AND TOP	14	8	6	5	3	1	1
SIDES	14	8	6	5	3	1	1

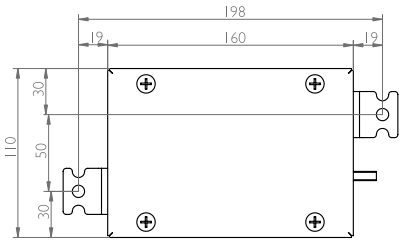
REFERENCES	MAXIMUM NUMBER TERMINALS			
REFERENCES	SECTION mm²	CURRENT MAX. (A)	VOLTAGE MAX. (V)	N° RAILS
				1
ZDU 1.5	1.5	15	550	6
ZDU 2.5	2.5	21	550	5
ZDU 4	4	28	550	5
ZDU 6	6	36	550	4

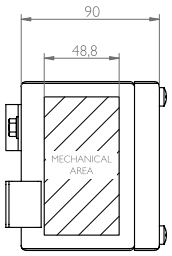
10 YEARS
STAINLESS ANTICORROSIVE **GUARANTEE**

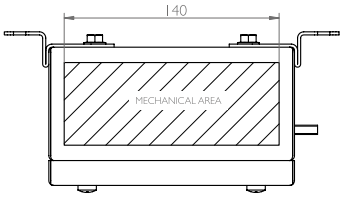
MADE TO MEASURE

5 YEARS
MECHANICAL PARTS **GUARANTEE**

MEASURES 110X160X90





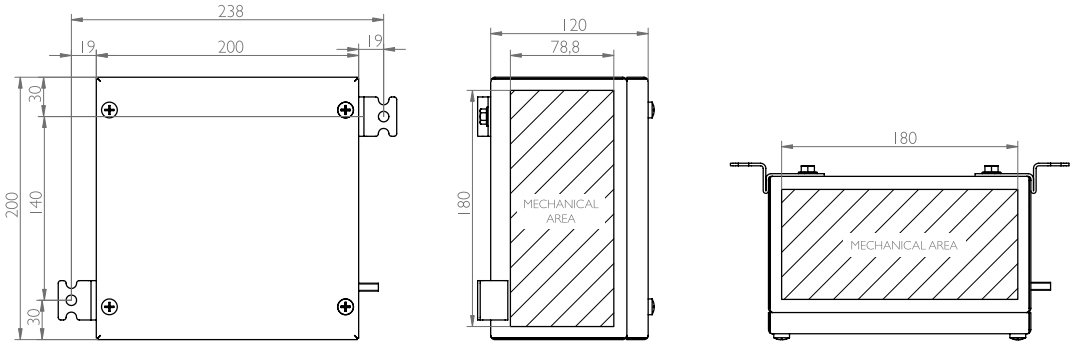


MAXIMUM NUMBER OF INPUTS PER SIDE							
THREAD SIZE	M12	M16	M20	M25	M32	M40	M50
BOTTOM AND TOP	14	8	6	5	3	1	1
SIDES	23	15	10	7	5	3	2

REFERENCES	MAXIMUM NUMBER TERMINALS			
REFERENCES	SECTION mm²	CURRENT MAX. (A)	VOLTAGE MAX. (V)	N° RAILS
				1
ZDU 1.5	1.5	15	550	15
ZDU 2.5	2.5	20	550	13
ZDU 4	4	28	550	10
ZDU 6	6	36	550	8

EX TERMINAL & JUNCTION BOX TERBOX SERIES IP68

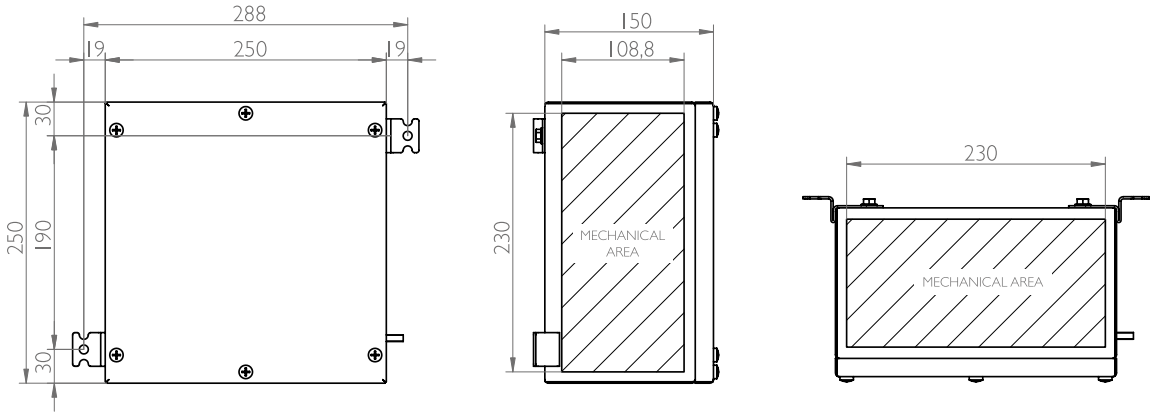
MEASURES 200X200X120



MAXIMUM NUMBER OF INPUTS PER SIDE									
THREAD SIZE	M12	M16	M20	M25	M32	M40	M50	M63	M75
BOTTOM AND TOP	48	30	20	14	8	5	3	2	1
SIDES	29	20	13	9	5	3	2	-	-

REFERENCES	MAXIMUM NUMBER TERMINALS			
REFERENCES	SECTION mm²	CURRENT MAX. (A)	VOLTAGE MAX. (V)	N° RAILS
				2
ZDU 1.5	1.5	15	550	60
ZDU 2.5	2.5	20	550	50
ZDU 4	4	28	550	45
ZDU 6	6	36	550	40
ZDU 10	10	50	550	30
ZDU 16	16	63	550	15
WDU 35	35	109	690	8

MEASURES 250X250X150

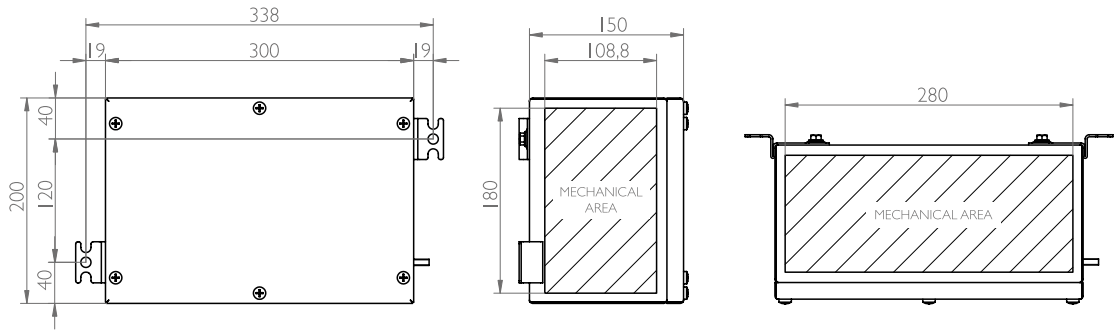


MAXIMUM NUMBER OF INPUTS PER SIDE									
THREAD SIZE	M12	M16	M20	M25	M32	M40	M50	M63	M75
BOTTOM AND TOP	75	48	34	26	14	8	5	3	2
SIDES	50	29	26	20	9	5	3	2	2

REFERENCES	MAXIMUM NUMBER TERMINALS			
REFERENCES	SECTION mm²	CURRENT MAX. (A)	VOLTAGE MAX. (V)	N° RAILS
				2
ZDU 1.5	1.5	15	550	80
ZDU 2.5	2.5	20	550	75
ZDU 4	4	28	550	60
ZDU 6	6	36	550	50
ZDU 10	10	50	550	40
ZDU 16	16	63	550	30
WDU 35	35	109	690	20
WDU 70	70	167	690	15
WDU 95	95	202	690	15

EX TERMINAL & JUNCTION BOX TERBOX SERIES IP68

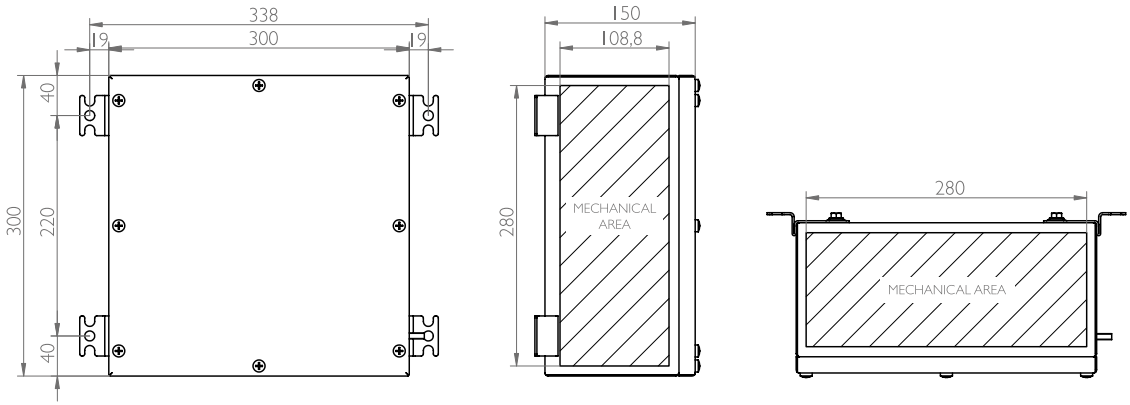
MEASURES 300X200X150



MAXIMUM NUMBER OF INPUTS PER SIDE									
THREAD SIZE	M12	M16	M20	M25	M32	M40	M50	M63	M75
BOTTOM AND TOP	93	63	42	30	17	11	7	3	3
SIDES	38	30	20	14	8	5	3	2	1

REFERENCES	MAXIMUM NUMBER TERMINALS			
REFERENCES	SECTION mm²	CURRENT MAX. (A)	VOLTAGE MAX. (V)	N° RAILS 2
ZDU 1.5	1.5	15	550	100
ZDU 2.5	2.5	20	550	90
ZDU 4	4	28	550	70
ZDU 6	6	36	550	55
ZDU 10	10	50	550	50
ZDU 16	16	63	550	35
WDU 35	35	109	690	25
WDU 70	70	167	690	15
WDU 95	95	202	750	15

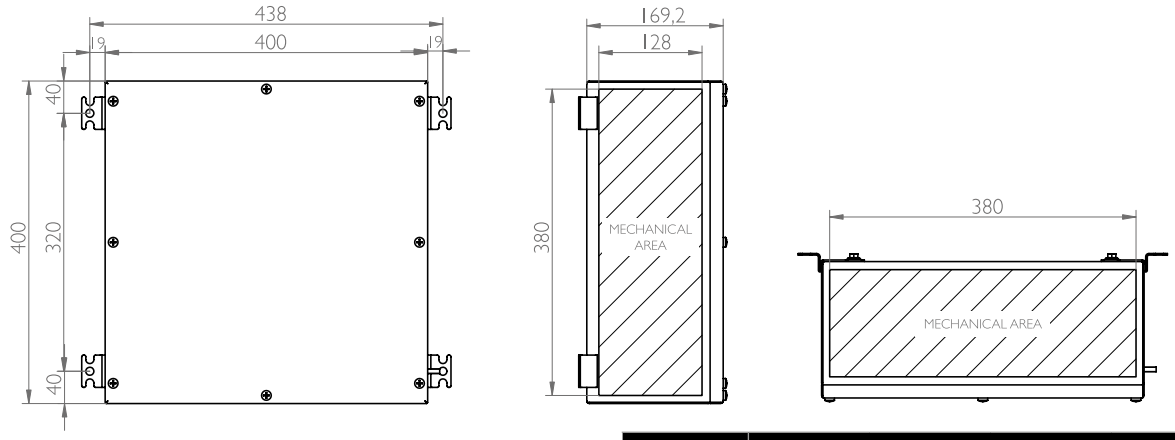
MEASURES 300X300X150



MAXIMUM NUMBER OF INPUTS PER SIDE									
THREAD SIZE	M12	M16	M20	M25	M32	M40	M50	M63	M75
BOTTOM AND TOP	87	63	43	30	18	11	7	3	2
SIDES	58	38	29	23	14	7	5	3	2

REFERENCES	MAXIMUM NUMBER TERMINALS			
REFERENCES	SECTION mm²	CURRENT MAX. (A)	VOLTAGE MAX. (V)	N° RAILS 2
ZDU 1.5	1.5	15	550	110
ZDU 2.5	2.5	20	550	100
ZDU 4	4	28	550	80
ZDU 6	6	36	550	65
ZDU 10	10	50	550	60
ZDU 16	16	66	550	41
WDU 35	35	109	690	35
WDU 70	70	167	690	25
WDU 95	95	202	750	25

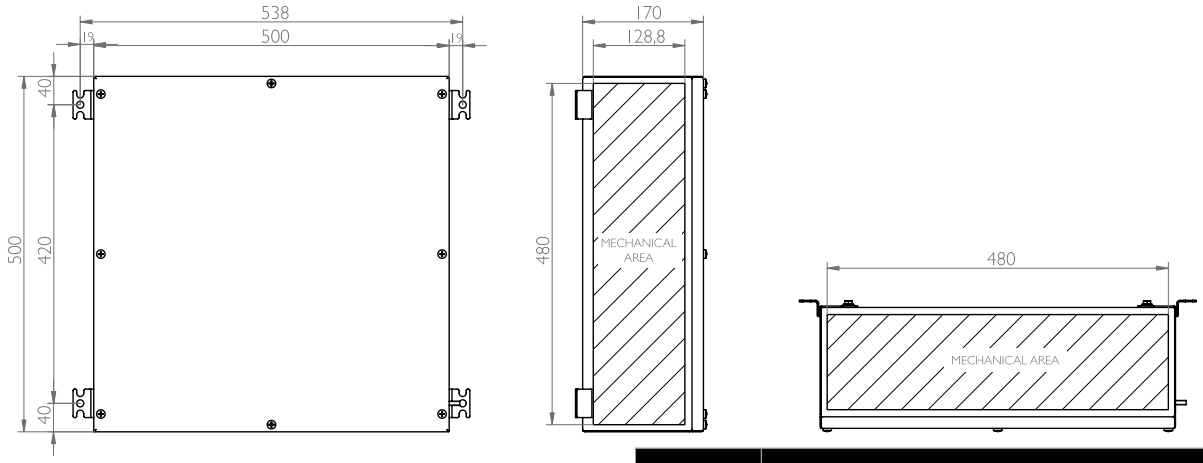
MEASURES 400X400X170



MAXIMUM NUMBER OF INPUTS PER SIDE									
THREAD SIZE	M12	M16	M20	M25	M32	M40	M50	M63	M75
BOTTOM AND TOP	87	63	43	30	18	11	7	3	2
SIDES	58	38	29	23	14	7	5	3	2

REFERENCES	MAXIMUM NUMBER TERMINALS			
REFERENCES	SECTION mm²	CURRENT MAX. (A)	VOLTAGE MAX. (V)	N° RAILS 2
ZDU 1.5	1.5	15	550	110
ZDU 2.5	2.5	20	550	100
ZDU 4	4	28	550	80
ZDU 6	6	36	550	65
ZDU 10	10	50	550	60
ZDU 16	16	66	550	41
WDU 35	35	109	690	35
WDU 70	70	167	690	25
WDU 95	95	202	750	25

MEASURES 500X500X170

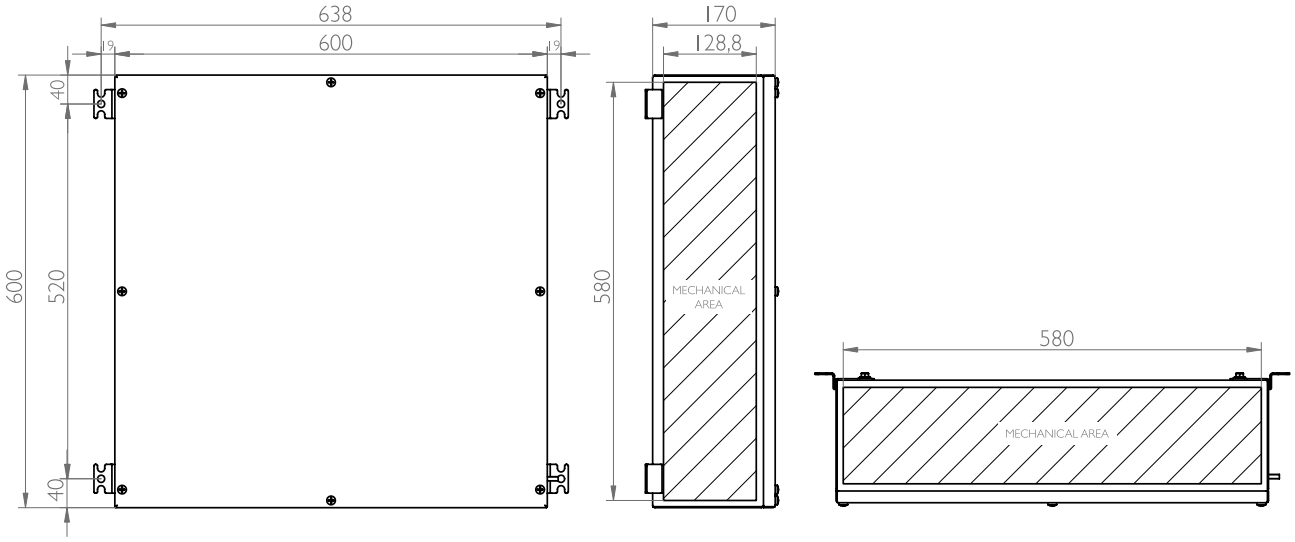


MAXIMUM NUMBER OF INPUTS PER SIDE									
THREAD SIZE	M12	M16	M20	M25	M32	M40	M50	M63	M75
BOTTOM AND TOP	137	109	87	50	38	23	13	7	4
SIDES	98	78	58	38	29	15	11	5	4

REFERENCES	MAXIMUM NUMBER TERMINALS			
REFERENCES	SECTION mm²	CURRENT MAX. (A)	VOLTAGE MAX. (V)	N° RAILS 3
ZDU 1.5	1.5	15	550	170
ZDU 2.5	2.5	20	550	150
ZDU 4	4	28	550	100
ZDU 6	6	36	550	75
ZDU 10	10	50	550	60
ZDU 16	16	63	550	50
WDU 35	35	109	690	40
WDU 70	70	167	690	35
WDU 95	95	202	750	35
WDU 120	120	234	1100	30
WDU 240	240	350	1100	30

EX TERMINAL & JUNCTION BOX TERBOX SERIES IP68

MEASURES 600X600X170



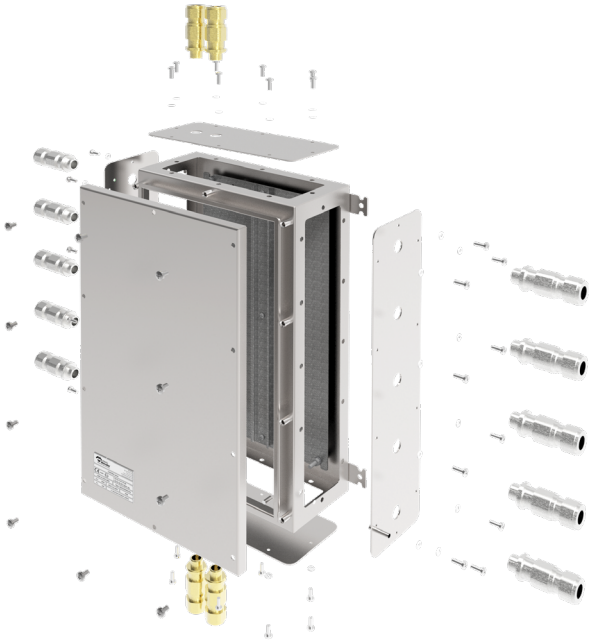
MAXIMUM NUMBER OF INPUTS PER SIDE									
THREAD SIZE	M12	M16	M20	M25	M32	M40	M50	M63	M75
BOTTOM AND TOP	137	109	87	50	38	23	13	7	4
SIDES	98	78	58	38	29	15	11	5	4

REFERENCES	MAXIMUM NUMBER TERMINALS			
REFERENCES	SECTION mm^2	CURRENT MAX. (A)	VOLTAGE MAX. (V)	Nº RAILS
				4
ZDU 1.5	1.5	15	550	200
ZDU 2.5	2.5	20	550	160
ZDU 4	4	28	550	100
ZDU 6	6	36	550	75
ZDU 10	10	50	550	60
ZDU 16	16	63	550	50
WDU 35	35	109	690	40
WDU 70	70	167	690	40
WDU 95	95	202	750	35
WDU 120	120	234	1100	30
WDU 240	240	350	1100	30

Zones 1, 2, 21 and 22

GLAND PLATE EX TERMINAL BOXES
TERBOX SERIES

Examples



It's Easy Disassembly that are Subject by Means of Screws

The Ex terminal boxes, Terbox Series include a removable cable gland plate, being useful and effective in advance to place and mechanize the different holes for cable glands and even keypads.

This equipment consists in a waterproof IP65, robust, safe and corrosion resistant Ex terminal box, which has been specially designed to the customer's specifications to perform the product and can deliver it in a record time.

These terminal boxes are placement in areas whereas a corrosive and hazardous areas.

In this terminal boxes you can put terminals, keypads, cable glands perform controls and maneuvers in explosive atmospheres, according to customer's specifications and be delivered with Atex final product certificate.

It's design, offers custom made terminal boxes, the exact placement of the holes and glands in the cable gland lug. It's easy disassembly that are subject by means of screws.

FOR MORE INFORMATION CLICK HERE

GLAND PLATE EX TERMINAL BOXES **TERBOX SERIES**

TECHNICAL CHARACTERISTICS

- Ex Terminal boxes manufactured of stainless steel AISI 304L or AISI 316L marine corrosion resistant and polished elegant surface finish.
- They are intended for use in explosive atmospheres listed as zones 1, 2, 21 and 22 and to place Ex components, terminals inside, as well as cable glands and keypads.
- Large inside space that simplifies connection operations.
- Great robustness, safety and resistance in the most aggressive environments.
- Monobloc construction that achieves a perfect seal (IP65 minimum tightness) and IK10 impact resistance.
- Preassembled body and cover.
- Corrosion resistant guaranteed.
- Standard screws in stainless steel AISI 316L.
- Multiple access option (cable lids on all four sides).

OPTIONS

- You can choose 3 different models cable gland boxes.
- We manufacture with waterproof and Atex & IECEx certifications.
- The terminal boxes can be used with increased safety protection mode "Ex e" including increased safety connection terminals or "Ex t" enclosure protection mode.
- Terminal boxes used with enclosure protection mode.
- These control stations may be used for connection of intrinsically safe circuits.
- 3D design and layout of custom components.
- The product offers the possibility to use Atex cable glands, as well as Roxtec cable entry systems.
- It is in stainless steel material grade AISI 3014L, AISI 316L and polyester painted galvanized steel sheet.
- Materials available: AISI 304L and AISI 316L for maritime and corrosive environments.

ADVANTAGES

- Customized design and execution of cable gland's accessories.
- Available in stock for express delivery.
- Easily disassembly and be possible modify the design during its assembly.
- Optimized functionality thanks to a wide range of integrated equipment
- Polished finish on all sides.
- Simplify cable gland's opening, to perform our product.
- Quick delivery in the goods, amount of boxes in stock.
- Versatility of the product compare to other types of Terminal boxes, cause being customized adapts better to owner's needs.
- Robustness, security, guaranteed reliability.
- IECEx components already installed inside.
- Anti-corrosion protection guaranteed.
- Great safety and resistance in the most aggressive explosive environments thanks to the design and the materials used in its manufacture.

GLAND PLATE EX TERMINAL BOXES **TERBOX SERIES**

PROTECTION MODE

This enclosure is certified for use in potentially explosive atmospheres in zones 1, 2, 21 and 22 and may be used with increased safety protection mode "Ex e" including increased safety connection terminals or enclosure protection mode "Ex tb".

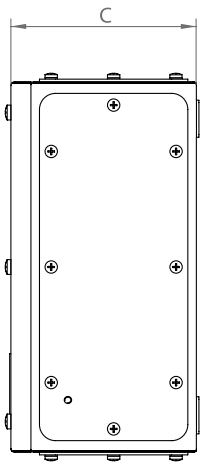
- Atex protection mode:
  - II2G Ex e IIC T6/T5 Gb
  - II2D Ex tb IIIC T6/T5 Db
- IECEx protection mode:
  - Ex e IIC T6/T5 Gb
  - Ex tb IIIC T6/T5 Db
  - Degree of resistance against impact IK10
  - IP65 protection

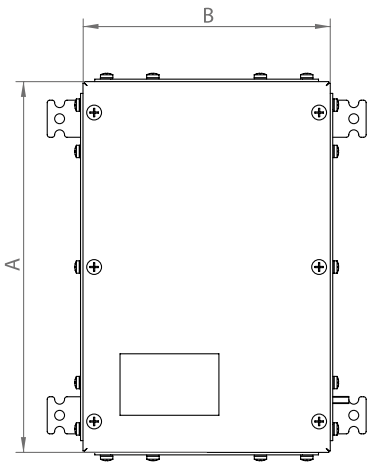
NORMATIVA

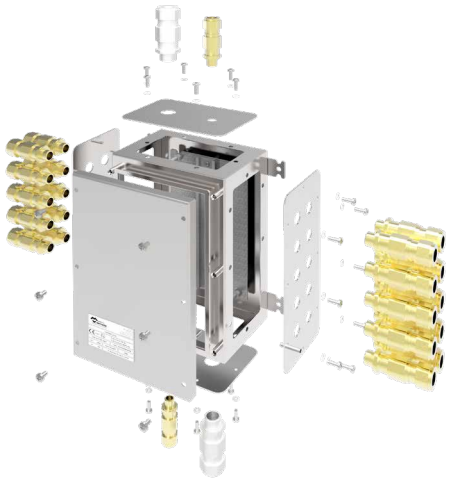
Atex & IECEx directive and regulations:

- Certificate of the envelope as a component:
  - LOM 14ATEX2082
- Atex directive 2014/34 / EU
- IP65 according to IEC Standard EN 60529.
- Degree of resistance against impact IK10 according to standard IEC 62262.
- EN 60079-7: 2007
- EN 60079-31: 2014
- EN-EN 60079-0: 2012
- Complies with RoHs regulations.

BLUEPRINT AND REFERENCES







REFERENCES	DIMENSIONS (mm)		
GLAND PLATE EX TERMINAL BOXES	HEIGHT -A-	WIDTH -B-	DEPTH -C-
GEOTB202012EX	200	200	120
GEOTB302015EX	300	200	150
GEOTB503015EX	500	300	150

CABLE ENTRY COVERS ATEX IP65

Our Atex cable trays keep IP65 protection (minimum).

An ideal complement when we do not know in advance the number of holes or glands to be fixed on the cabinet.

Cable entry cover. Luxorex, Tribex and Geoex models.

CUSTOM MANUFACTURE

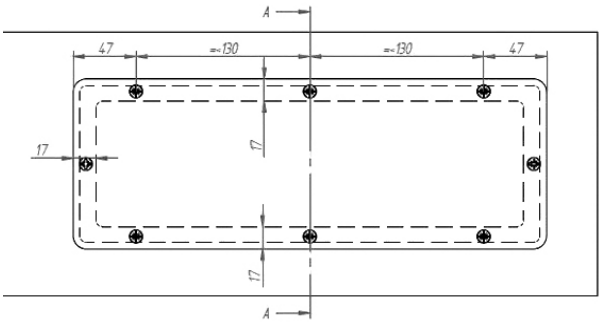
(Drilling holes for the placement of cable glands, plugs...)

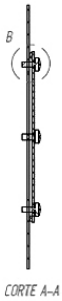
CABLE ENTRY COVERS ATEX IP65

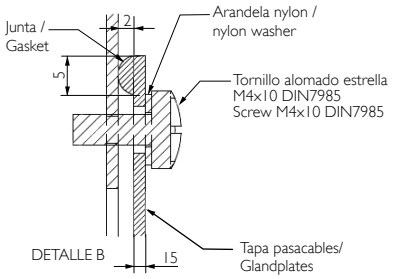
CHARACTERISTICS

- Made in stainless steel.
- Custom-made: minimum size of 90mmx90mm and maximum size of 600mmx600mm (the widest range now available on the market).
- Thickness
- Two options: 1.5 mm and 3 mm.
- Certified Atex, Ex.
- Easy mounting with screws for easy drilling, keeping protection and Atex safety.

BLUEPRINT AND DIMENSIONS





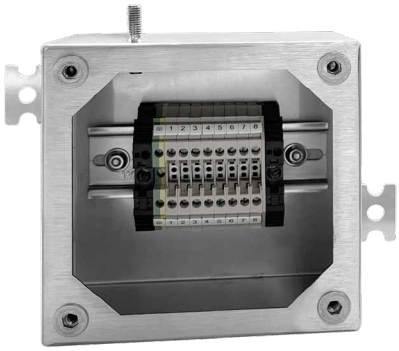


REFERENCES

REFERENCES	DIMENSIONS (mm)			MACHINING
REFERENCES	HEIGHT -A-	WIDTH -B-	DEPTH -C-	MACHINABLE AREA (DxF)
TP909015EX	90	90	1,5	56x56
TP909030EX	90	90	3	56x56
TP149015EX	140	90	1,5	106x56
TP149030EX	140	90	3	106x56
TP259015EX	250	90	1,5	216x56
TP259030EX	250	90	3	216x56
TP351315EX	350	130	1,5	316x56
TP351330EX	350	130	3	316x56
TP503030EX	500	300	3	466x266
TP504030EX	500	400	3	466x366
TP606030EX	600	600	3	566x566

Zones 1, 2, 21 and 22

STOCK ATEX STAINLESS STEEL JUNCTION BOX
TERBOX SERIES IP66



STOCK
Delivery Next Day

Certified and just ready to install

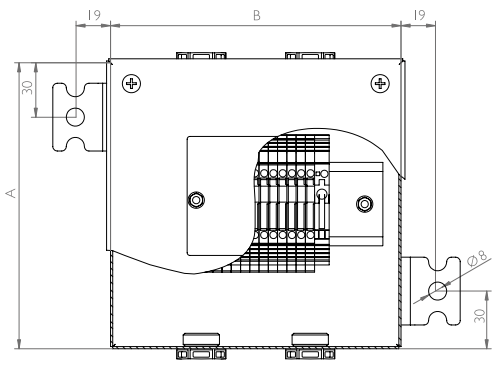
FEATURES

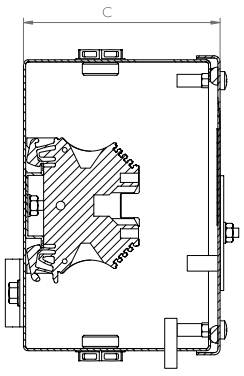
- Atex boxes made of stainless steel AISI 304L.
- Incorporated in the inside 8 screw terminals and 4 stopping plugs M20.
- Access to the inside is facilitated thanks to the fastening of the cover with easy-to-install screws.
- External grounding of metric M6.
- Thickness 1.2mm (depending on boxes).

NORMATIVES

- Zones 1, 2, 21 and 22.
- Certified CE, Atex and IECEx.
- Certified: LOM 14ATEX3028U | LOM 14ATEX2082 | LOM 14ATEX9050
- II 2G Ex eb IIC T6/T5 Gb
- II 2D Ex tb IIIC T85°C/100°C Db
- IP66 protection.
- Working temperature: -25° a +60°C.

PLANS AND REFERENCES

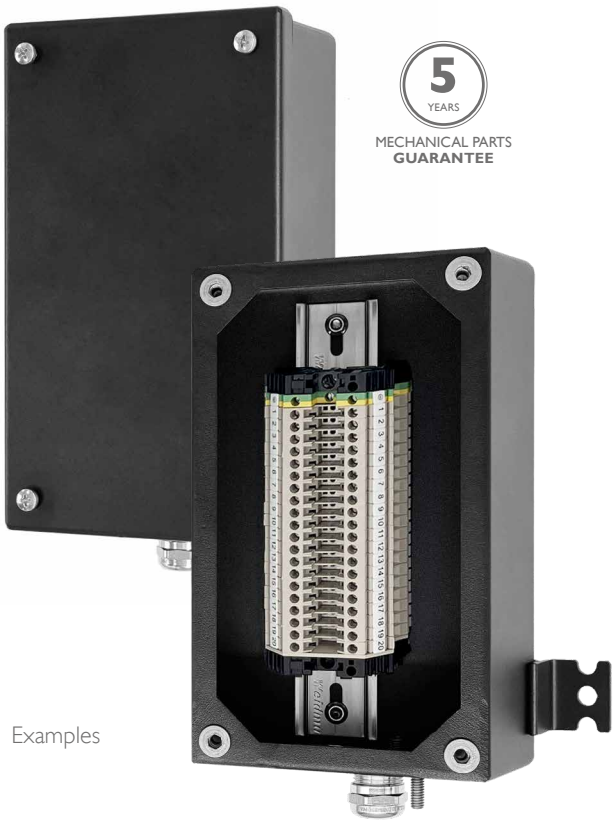




REFERENCE	DIMENSIONS (mm)					HOLES	
STOCK ATEX STAINLESS STEEL JUNCTION BOX - TERBOX SERIES	MEASURES (mm)			N° OF TERMINALS		STOPPING PLUGS	
	HEIGHT -A-	WIDHT -B-	DEPTH -C-	TERMINALS	GROUND TERMINALS	UNIT	METRIC
GEOTB121290EX002	125	125	90	8	1	4	M20

Zones 1, 2, 21 and 22

GALVANIZED STEEL EX TERMINAL BOXES
TERBOX SERIES IP66



Examples

Customized and Flexible Configurations

Terbox Series of Ex terminal boxes have a rugged, anti-corrosion system and finished, painted galvanized steel surface finish in RAL 9005; with customized and flexible configurations.

Galvanized steel ex terminal boxes are used for dividing and connecting wires for various electrical apparatus and instruments in the circuits. Installation is certified for zones 1, 2, 21 and 22.

We deliver the terminal box with terminals installed on numbered DIN rail, with their glands mounted (material to be chosen) and final certified, ready for placement and in stock for delivery so you do not have to worry about anything.

FOR MORE INFORMATION CLICK HERE

FEATURES

- Zones 1, 2, 21 and 22.
- Protection type: IP66.
- Multiples dimensions and models, with mounting included.
- Painted galvanized steel surface finish in RAL 9005.
- Built-in Ex terminals have specifications for 1.5 - 240mm² and connect and fix the entry leads.
- Certificates IECEx, Atex and UL.

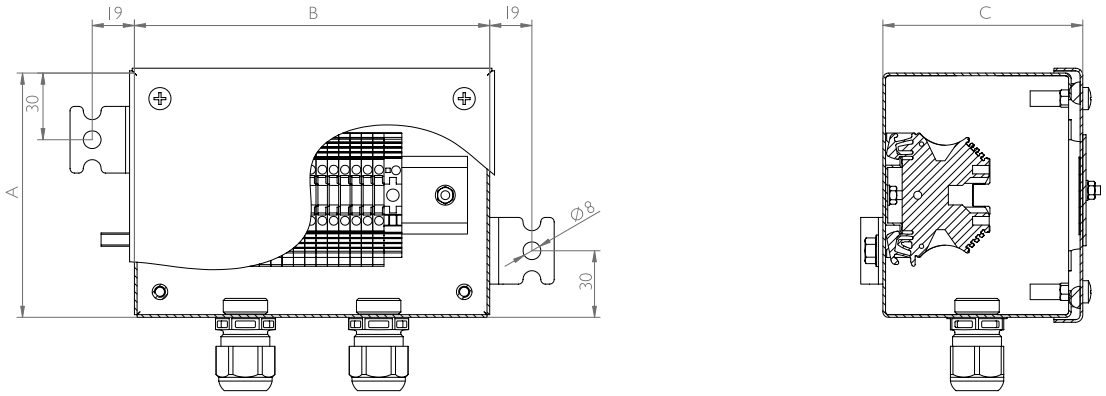
OPTIONS

- Up to IP67 or IP68.
- Custom made based on your needs (dimensions and actuators).
- Customized and flexible configurations.
- Inputs and outputs of cables are made using Atex cable glands, which can be made of polyamide, nickel plated brass or stainless steel for corrosive areas.

NORMS AND CERTIFICATES

- Zones 1, 2, 21 and 22.
- Protection type: IP66.
- Certificates number:
  - LOM 14ATEX2082
  - IECEx LOM 18.0001X
- Type protection:
  - II2G Ex d e II… T… Gb
  - II2G Ex e mb II..T.. Gb
  - II2G Ex d e mb II… T… Gb
  - II2D Ex t III… T…°C Db
  - II1/2G Ex ia/ib II* T6 Ga/Gb
  - II1/2D Ex ia/ib IIIC T85°C Da/Db
- Standard:
  - Directive 2014/34/UE
  - EN 60079-0:2012
  - EN 60079-7:2007
  - EN 60079-31:2014
  - IEC 60079-0:2011
  - IEC 60079-7:2015
  - IEC 60079-31:2013
- Working temperature (ambient) -25° to +60°C.

PLAN AND REFERENCES



REFERENCES	DIMENSIONS (mm)		
GALVANIZED STEEL EX TERMINAL BOXES - TERBOX SERIES	HEIGHT (A)	WIDTH (B)	DEPTH (C)
GEOCSG121290EX	120	120	90
GEOCSG181290EX	180	120	90
GEOCSG221490EX	220	140	90
GEOCSG202012EX	200	200	120
GEOCSG302012EX	300	200	120
GEOCSG303015EX	300	300	150
GEOCSG404015EX	400	400	150

Zones 1, 2, 21 and 22

PRE-INSTALLED ATEX JUNCTION BOXES OF GALVANIZED STEEL
TERBOX SERIES IP66

Certified and just ready to install

5 YEARS MECHANICAL PARTS GUARANTEE

The terminal boxes Atex Terbox galvanized steel terminals are pre-assembled with terminals and cable glands; standardized, certified and ready for installation in explosive or corrosive areas 1, 2, 21 and 22.

They have a rugged, anti-corrosion system and finished, painted galvanized steel surface finish in RAL 9005.
We deliver the terminal box with terminals installed on numbered DIN rail, with their glands mounted (material to be chosen) and final certified, ready for placement and in stock for delivery so you do not have to worry about anything.

CE Marking: II2G Ex eb IIC Gb - II2D Ex tb IIIC Db IP66.

FEATURES

- Pre-installed Atex boxes made of painted galvanized steel surface finish in RAL 9005, robust and anticorrosive, represent our most solvent bet due to its functionality, design and sealing to incorporate all types of Ex terminals.
- Access to the inside is facilitated thanks to the fastening of the cover with easy-to-install screws.
- Incorporated in the inside 8, 15 or 20 screw terminals (2,5 mm²) mounted on DIN rail.
- Access to the inside is facilitated thanks to the fastening of the cover with easy-to-install screws.
- Subject to the stringent tests prescribed in IEC 60079-7 in the premises of a Notified Body.
- Zones 1, 2, 21 and 22 can be used in areas subject to explosion hazardous and to be installed in Ex-components and terminals.
- Certified IECEx, Atex and UL

PRE-INSTALLED ATEX JUNCTION BOXES OF GALVANIZED STEEL **TERBOX SERIES** IP66

ADVANTAGES

- Unbeatable delivery time.
- Save time and cost savings.
- Just ready to install.
- Inputs and outputs can be defined based on project needs.
- Made of painted galvanized steel surface finish in RAL 9005
- Zones 1, 2, 21 and 22 can be used in areas subject to explosion hazardous.
- Certified IECEx, Atex and UL

5 YEARS
MECHANICAL PARTS
GUARANTEE

CABLE GLANDS EX D/E

Cable glands Atex made by Delvalle are used for passing, holding and compressing cables between two compartments, such as junction boxes, cabinets, electrical boxes or devices requiring sealing against dust, dirt or water.

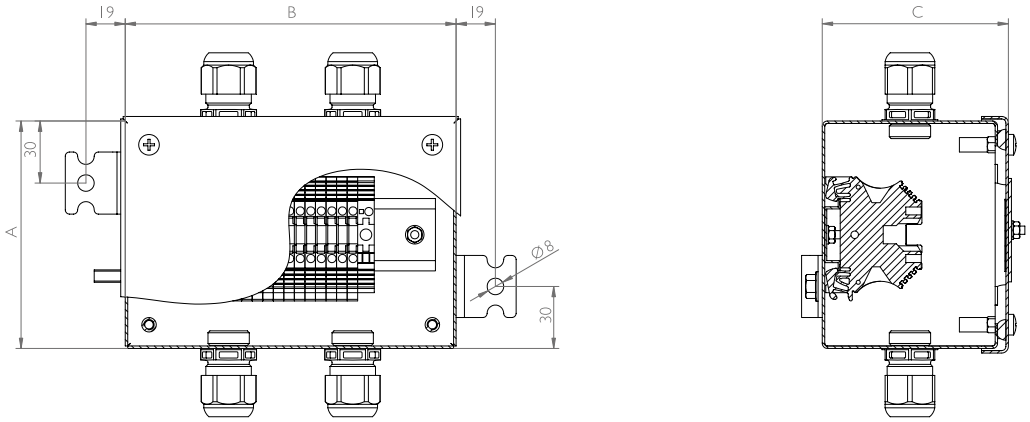
- Cable glands Atex polyamide.
- Cable glands nickel-plated.
- Cable glands unarmoured.
- Cable glands stainless steel AISI 303 / AISI 316.
- Barrier cable glands.
- Plugs polyamide, nickel-plated and stainless steel.
- Ex air vent plug breather and drainage valves.

NORMATIVE

All explosion protection solutions manufactured by Atex Delvalle comply with IECEx, Atex and UL certifications.
They have undergone tests to verify their viability and technical solvency.

- Certificates number:
  - LOM 14ATEX2082
  - IECEx LOM 18.0001X
- Type protection:
  - II2G Ex d e II… T… Gb
  - II2G Ex e mb II..T.. Gb
  - II2G Ex d e mb II… T… Gb
  - II2D Ex t III… T…°C Db
  - II1/2G Ex ia/ib II*T6 Ga/Gb
  - II1/2D Ex ia/ib IIIC T85°C Da/Db
- Standard:
  - Directive 2014/34/UE
  - EN 60079-0:2012
  - EN 60079-7:2007
  - EN 60079-31:2014
  - IEC 60079-0:2011
  - IEC 60079-7:2015
  - IEC 60079-31:2013
- Working temperature (ambient) -25° a +60°C.
- Voltage range: max. 1100 V and current range: max. 350A (depending on the types of terminals and Ex components used).

PLANS



REFERENCES

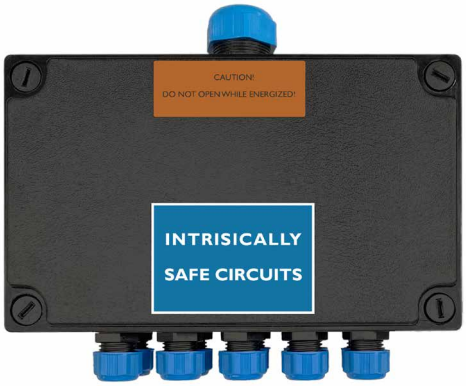
REFERENCES	DIMENSIONS (mm)				
PRE-INSTALLED ATEX JUNCTION BOX OF GALVANIZED STEEL - TERBOX SERIES	MEASURES (mm)			Nº DE TERMINALS	
	HEIGHT -A-	WIDTH -B-	DEPTH -C-	TERMINALS	GROUNDS TERMINALS
GEOCSG121290EX001	120	120	90	8	1
GEOCSG181290EX001	180	120	90	15	1
GEOCSG221490EX001	220	140	90	20	1

Zones 1, 2, 21 and 22

GRP EX JUNCTION AND TERMINAL BOXES

TERBOX SERIES IP65

Examples



Gives Cost and Time Savings

Terbox Series of terminal boxes are made of glass fibre reinforced polyester. All the metal elements are anti-corrosive rust proof. Concave-convex joints between the covers and bodies are designed to mount an air-foam silicone bar, which secure an IP65 degree of protection. Terminal boxes are used for dividing and connecting wires for various electrical apparatus and instruments in the circuits. Installation is certified for zones 1, 2, 21 and 22.
Cables are made with Atex cable glands, either in polyamide, nickel-plated or stainless steel for corrosive areas.

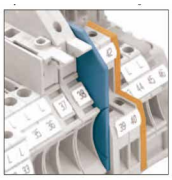
FOR MORE INFORMATION CLICK HERE

TECHNICAL FEATURES

- Explosion protection: Zones 1, 2, 21 and 22.
- Various sizes.
- Mounting included.
- Customized and flexible configurations.
- The enclosures of black terminal boxes are made of glass fibre reinforced polyester.
- Built-in Ex e terminals have specifications for 1.5 - 240mm² and connect and fix the entry leads.
- The entry may have moulded plastic, nickel-plated or stainless steel cable glands. The unused entries must be sealed with the stopping plugs.
- International certification IECEx, Atex and TUV.

NUMBER OF TERMINALS PER SIZE

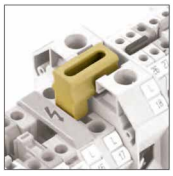
Atex Delvalle mounts in Terbox Series, brand terminals. Delvalle offers users a wide range of accessories as ideal solutions for all possible tasks, even beyond the standard functions. These accessories meet the same quality standards as the terminals themselves.



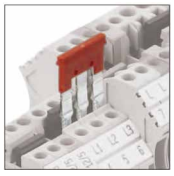
Visual separation endcaps

Signalling

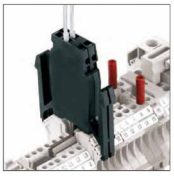
Fixation



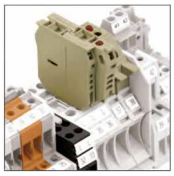
Electrical power supply



Electrical distribution



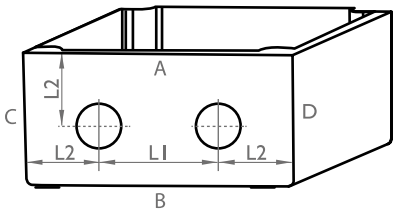
Testing



Specific functions, color variations

REFERENCES	DIMENSIONS (mm)													
TERBOX GRP	HEIGHT L	WIDTH W	DEPTH H	RAILS (DIM.)	2,5 mm^2	4 mm^2	6 mm^2	10 mm^2	16 mm^2	35 mm^2	50 mm^2	95 mm^2	150 mm^2	240 mm^2
DVT2001GRP	122	122	96	1 (108)	14	12	10							
DVT2011GRP	170	122	96	1 (145)	22	12	10							
DVT2031GRP	220	134	96	1 (182)	26	22	16	12	10	8				
DVT2032GRP	220	134	141	1 (182)	26	22	16	12	10	8				
DVT2052GRP	275	160	161	1 (230)	40	34	25	20	17	13				
DVT2053GRP	275	160	226	1 (230)	40	34	25	20	17	13				
DVT2071GRP	352	234	96	1 (300)	50	41	31	25	21	18				
				2 (300)	100	82								
DVT2072GRP	352	234	161	1 (300)	50	41	31	25	21	18				
				2 (300)	100	82								
DVT2073GRP	352	234	231	1 (300)	50	41	31	25	21	18				
				2 (300)	100	82								
DVT2081GRP	352	352	96	1 (300)	50	41	32	26	22	18				
				2 (300)	100	82	64	52	44					
				3 (300)	150	123								
DVT2082GRP	352	352	161	1 (300)	50	41	32	26	22	18	12	10	8	7
				2 (300)	100	82	64	52	44					
				3 (300)	150	123								
DVT2083GRP	352	352	231	1 (300)	50	41	32	26	22	18	12	10	8	7
				2 (300)	100	82	64	52	44					
				3 (300)	150	123								
DVT2086GRP	352	352	166	1 (300)	50	41	32	26	22	18	12	10	8	7
				2 (300)	100	82	64	52	44					
				3 (300)	150	123								
DVT2092GRP	706	352	161	1 (300)	100	82	64	52	44	36	24	20	16	14
				2 (300)	200	164	128	104	88					
				3 (300)	300	246								
DVT2093GRP	706	352	231	1 (300)	100	82	64	52	44	36	24	20	16	14
				2 (300)	200	164	128	104	88					
				3 (300)	300	246								

CONFIGURATION OF CABLE ENTRY DEVICE



Mínimum center distance of aperture for full plastic cable gland

L1 (mm)							
SPECIFICATION > / CABLE GLAND SPECIFICATION V	M16	M20	M25	M32	M40	M50	M63
M16	24	27	29	33	39	45	51
M20	27	29	32	36	42	48	54
M25	29	32	34	38	44	50	56
M32	33	36	38	42	48	54	60
M40	39	42	44	48	53	60	66
M50	45	48	50	54	60	63	72
M63	51	54	54	60	66	72	77

Minimun distance between aperture center of full plastic cable gland and each enclosure side

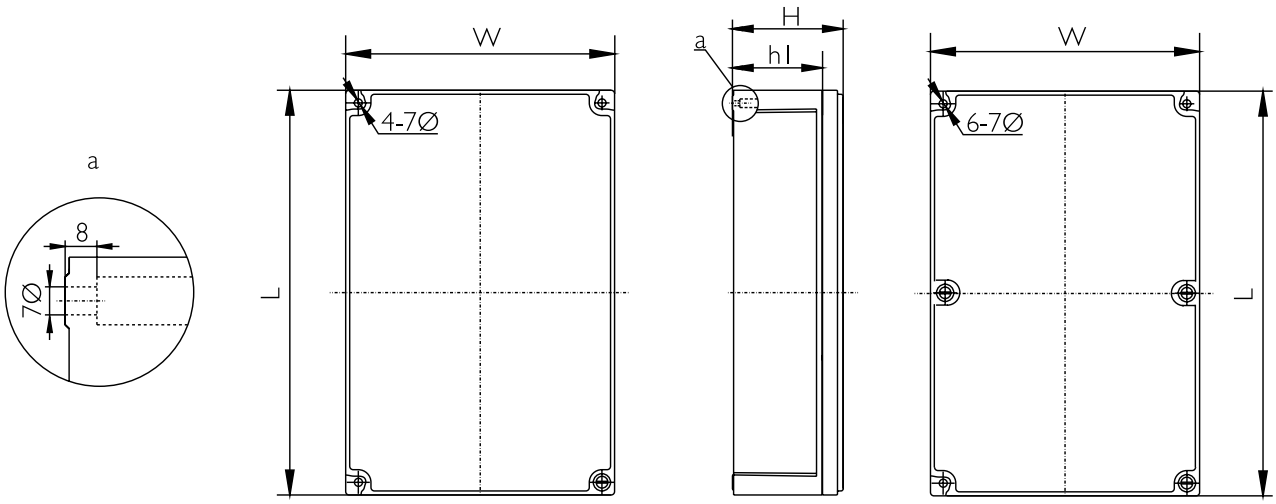
L2 (mm)							
SPECIFICATION > / SIDE CODE V	M16	M20	M25	M32	M40	M50	M63
A	13	16	18	22	28	34	40
B	18	21	23	27	33	39	45
C	36	37	41	45	51	57	63
D	36	37	41	45	51	57	63

Note: The dimension of series DVT2071GRP, DVT2072GRP, DVT2073GRP, DVT2081GRP, DVT2082GRP, DVT2083GRP, DVT2086GRP, DVT2092GRP, DVT2093GRP increased 5mm.

NORMS AND CERTIFICATES

- Zones 1, 2, 21 and 22
- Degree of protection IP65
- Certificates number:
  - IECEx CML 19.0088X
  - CML 19 ATEX 3303X
- Type protection:
  - II 2GD Ex db eb ib mb IIC T5 Gb
  - Ex ib tb IIIC T95°C Db
- Standard:
  - Directive 2014/34/EU
- Ambient temperature:
  - -40°C <Ta<+40/55°C

BLUEPRINT AND REFERENCES



REFERENCES	FEATURES				
REFERENCES	MEASURES (mm)				Nº SCREWS
	HEIGHT L	WIDTH W	DEPTH H	DEPTH OF BOX h1	
DVT2001GRP	122	122	96	78	4
DVT2011GRP	170	122	96	78	4
DVT2031GRP	220	134	96	78	4
DVT2032GRP	220	134	141	123	4
DVT2052GRP	275	160	161	143	4
DVT2053GRP	275	160	226	208	4
DVT2071GRP	352	234	96	78	4
DVT2072GRP	352	234	161	143	4
DVT2073GRP	352	234	231	213	4
DVT2081GRP	352	352	96	78	4
DVT2082GRP	352	352	161	143	4
DVT2083GRP	352	352	231	213	4
DVT2086GRP	352	352	166	148	4
DVT2092GRP	706	352	161	143	6
DVT2093GRP	706	352	231	213	6

Zones 1, 2, 21 and 22

STOCK ATEX GRP JUNCTION BOX
TERBOX SERIES IP66

STOCK
Delivery Next Day

Certified and just ready to install

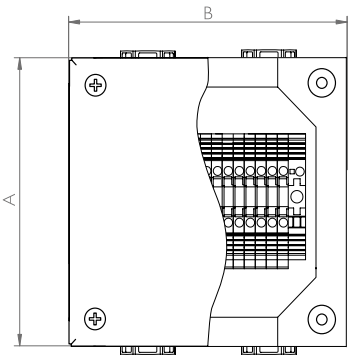
FEATURES

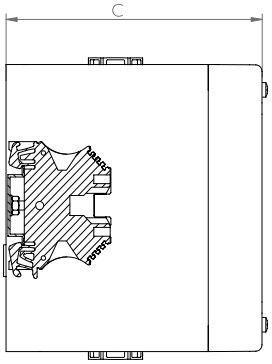
- This preassembled terminal box is certified and ready for installation.
- Incorporated in the inside 8 screw terminals and 4 stopping plugs M20.
- Enclosure of black color made of polyester, reinforced resistant with glass fiber and provided with silicone gasket.

NORMATIVES

- Zones 1, 2, 21 and 22.
- Certified IECEx, Atex AND TUV.
- Certified: IECEx CML 19.0088X | CML 19 ATEX 3303X
- II 2GD Ex db eb ib mb IIC T5 Gb
- Ex ib tb IIIC T95°C Db
- Working temperature: -40° a +40/55°C.

PLANS AND REFERENCES





REFERENCE	DIMENSIONS (mm)					HOLES	
STOCK ATEX GRP JUNCTION BOX - TERBOX SERIES	MEASURES (mm)			N° OF TERMINALS		STOPPING PLUGS	
	HEIGHT -A-	WIDHT -B-	DEPTH -C-	TERMINALS	GROUND TERMINALS	UNIT	METRIC
DVT2001GRP002	122	122	96	8	1	4	M20

ATEX TERMINAL & JUNCTION BOXES

CLICK HERE AND DISCOVER ALL SOLUTIONS

SOLUTIONS FOR HAZARDOUS AREA

With over 50 years of experience in design, manufacture and supply of electrical high quality Atex & IECEx solutions

Atex Delvalle adapts to our clients' needs by offering Hazardous Area enclosures and boxes on demand. They are adapted to your specific requirements of installation and assembly, up to the last detail.

Atex Delvalle designs and manufactures a range of Hazardous Area enclosures; junction and terminal boxes, pressurized, flameproof Ex d and increased Safety Ex e Atex & IECEx compliant enclosures.

ATEX CABLE GLANDS

MOTOR STARTER & LOAD DISCONNECT SWITCHES

ATEX TERMINAL & JUNCTION BOXES

ATEX LIGHTING FIXTURE

FLAMEPROOF ENCLOSURES & PULLING BOXES

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CONTROL STATIONS & DISTRIBUTION BOXES

Atex control boxes (Contrex Series), they are specially designed to perform checks, maneuvers and as actuators in explosive atmospheres. They have a rugged, corrosion system and finished in stainless steel or GRP polyester. It allows you to perform maneuvers and controls at the machine in hazardous areas and take programming and automation in a safe area. Offering customers a great combination of possibilities and flexibility.
Select the component that best suits your operator panels, keypads, mushrooms, switches, ammeters... and you assemble all with Atex certified, Ex & IECEx and UL.

ENCLOSURES FOR CORROSION ENVIRONMENTS

PRESSURIZED PANELS & ATEX PURGE

HAZARDOUS AREA SOLUTIONS ATEX E IECEX

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