



HAZARDOUS AREA SOLUTIONS

atex@atexdelvalle.com | www.atexdelvalle.com

CONTROL STATIONS AND DISTRIBUTION BOXES

CONTREX-GRP SERIES



GRP REINFORCED POLYESTER



Delvalle, wide experience in manufacturing solutions for hazardous area



WE PUT AT YOUR DISPOSAL

We offer over **45 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.
Certified Junction Box Assembly.
Atex-delvalle are the leading certified assembler of Ex junction boxes. With an extensive stock holding of stainless steel enclosures, our workshops are able to provide unrivalled competence, expertise, quality and service to customer specifications.
Our customized services, experienced design and drafting 3D support.

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 18001, 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 I, 2, 21 and 22**

CONTROL STATIONS AND DISTRIBUTION BOXES

CONTREX-GRP SERIES



Examples

**Get Control in Any Area
with Maximum Security
and Flexibility**

For efficient operation and monitoring of multiple electrical circuits and machinery in explosion hazardous areas, control stations can be tailored to exactly meet application requirements.

Control station GRP product series, and stainless steel are available, certified according to the types of explosion protection "Ex e", "Ex ib" and "Ex tb". Up to 56 operator elements covering various control functions can be integrated in a single control station, depending on enclosure size and series.

➔ **FOR MORE INFORMATION CLICK HERE**



CONTROL STATIONS AND DISTRIBUTION BOXES **CONTREX-GRP SERIES**



CERTIFICATES

- Certificates number:
 - IECEx CML I9.0087X
 - CML I9 ATEX I302X
- Tpe protection:
 - II2G Ex db eb (ia/ib) (mb) IICT6,T5 Gb
 - II2D Ex tb IIIC T80°C,T95°C Db
- Standard:
 - Directive 2014/34/EU
 - EN IEC 60079-0:2018
 - EN 60079-1:2014
 - EN IEC 60079-7:2015+A1:2018
 - IEC 60079-11:2012
 - IEC 60079-18:2015+A1:2017
 - IEC 60079-31:2014
- Ambient temperature:
 - $-40^{\circ}\text{C} < T_a < +55^{\circ}\text{C}$



TECHNICAL DATA

- Zones I, 2, 21 and 22.
- Degree of protection: IP66
- Four sizes available in stock.
- Simple assembly.
- IECEx and ATEX Certifications.
- Rated voltage: 690V.
- Rated current: max. 16A.
- Component terminal: 2,5mm².
- Material of enclosure: alloy plastic of static resistance.
- Custom solutions and flexible configuration.

CUSTOMIZE YOUR BOXES MANEUVERS MADE OF REINFORCED POLYAMIDE GRP

1. SELECT THE SIZE OF THE BOX
2. SELECT BASES
3. DETERMINE THE COVERS
4. DELVALLE GIVES PROJECT
AND CERTIFIED ATEX





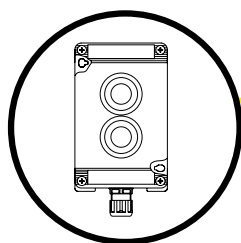
GRP REINFORCED POLYESTER

Zones 1, 2, 21 and 22

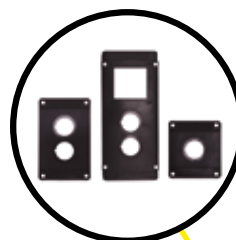
PERSONALISED GRP REINFORCED POLYESTER CONTROL BOXES

Atex Delvalle produces Ex local control stations, Ex distribution boxes and hazardous area enclosures for use in IECEx areas with flammable gases and dusts. Depending on the application area, the former control stations are designed with the type...

1. SELECT THE SIZE OF THE BOX AND BASES



2. DETERMINE THE COVERS



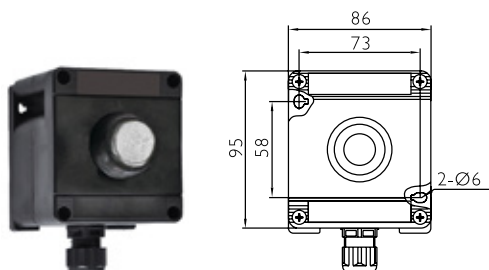
3. ADD THE CABLE GLANDS

4. DELVALLE GIVES PROJECT AND CERTIFIED ATEX / IECEx




Zones I, 2, 21 and 22

SELECT THE SIZE OF THE BOX

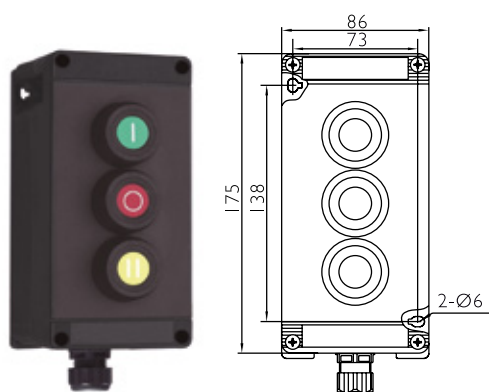
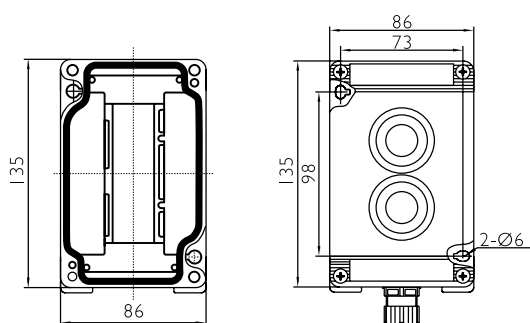


REF.	DIM. BOX (mm)	DIM. BASES (mm)
TIPO1	95x86x76	98x86x40,5

(With a hole at the bottom for M20)

REF.	DIM. BOX (mm)	DIM. BASES (mm)
TIPO2	135x86x76	138x86x40,5

(With a hole at the bottom for M25)

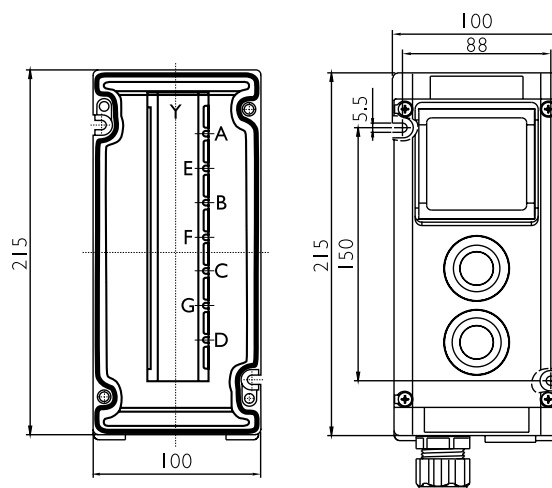


REF.	DIM. BOX (mm)	DIM. BASES (mm)
TIPO3	175x86x76	178x86x40,5

(With a hole at the bottom for M25)

REF.	DIM. BOX (mm)	DIM. BASES (mm)
TIPO6	215x100x76	218x100x47,5

(With a hole at the bottom for M25)





Zones I, 2, 21 and 22

CHOOSE THE GRP POLYESTER COVER



1 IH cover with a machined to couple an actuator. Compatible with type 1 base.

REF.	DESCRIPTION	DIM. (mm)
TAPA1IH	COVER C.1 ATEX GRP 1 HOLE	95x86



2 2H cover with two mechanisms for coupling two actuators. Compatible with type 2 base.

REF.	DESCRIPTION	DIM. (mm)
TAPA22H	COVER C.2 ATEX GRP 2 HOLES	135x86



2 IV cover machined to an ammeter or voltmeter. Compatible with type 2 base.

REF.	DESCRIPTION	DIM. (mm)
TAPA2IV	COVER C.2 ATEX GRP WINDOW 57x53	135x86



3 3H cover with three machined to couple three actuators. Compatible with type 3 base.

REF.	DESCRIPTION	DIM. (mm)
TAPA33H	COVER C.3 ATEX GRP 3 HOLES	175x86



3 IH IV cover with machining ammeter and voltmeter and machining for an actuator. Compatible with type 3 base.

REF.	DESCRIPTION	DIM. (mm)
TAPA3IHIV	COVER C.3 ATEX GRP 1+ 1x 57X53	175x86



6 4H cover with four machined to couple four actuators. Compatible with type 6 base.

REF.	DESCRIPTION	DIM. (mm)
TAPA64H	COVER C.6 ATEX GRP 4 HOLES	215x100



6 3H cover with four machined to couple four contactors. Compatible with type 6 base.

REF.	DESCRIPTION	DIM. (mm)
TAPA63H	COVER C.6 ATEX GRP 3 HOLES	215x100



6 2H IV cover with machining ammeter and voltmeter and two machining for two actuators. Compatible with type 6 base.

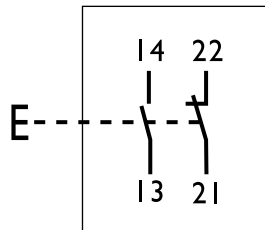
REF.	DESCRIPTION	DIM. (mm)
TAPA62HIV	COVER C.6 ATEX GRP 2+ 1x 57X53	215x100


Zones 1, 2, 21 and 22

PRE-ASSEMBLED POLYESTER CONTROL BOX

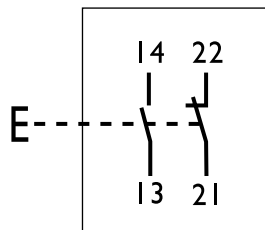
CONTREX-GRP SERIES

CONTREX I000GRP. PUSHBUTTON STOP



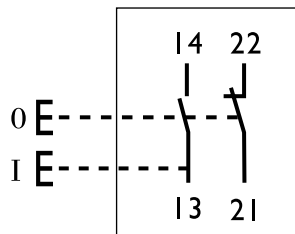
REFERENCE	CONTREX I000GRP
SIZE	95x86x76
IT CONTAINS	• Pushbutton stop NO+NC • Polyamide M20 cable gland for non armored cable. • Optional other materials, for armored cable,...

CONTREX I010GRP. PUSHBUTTON START



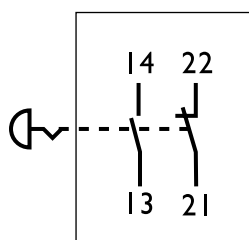
REFERENCE	CONTREX I010GRP
SIZE	95x86x76
IT CONTAINS	• Pushbutton start NO+NC • Polyamide M20 cable gland for non armored cable. • Optional other materials, for armored cable,...

CONTREX I020GRP. DOUBLE PUSHBUTTON



REFERENCE	CONTREX I020GRP
SIZE	95x86x76
IT CONTAINS	• Double pushbutton NO+NC • Polyamide M20 cable gland for non armored cable. • Optional other materials, for armored cable,...

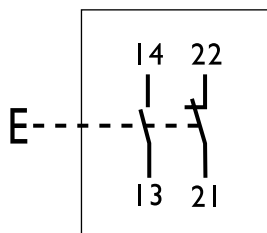
CONTREX I030GRP. EMERGENCY STOP



REFERENCE	CONTREX I030GRP
SIZE	95x86x76
IT CONTAINS	• Emergency stop NO+NC • Polyamide M20 cable gland for non armored cable. • Optional other materials, for armored cable,...

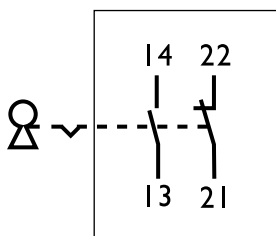
PRE-ASSEMBLED POLYESTER CONTROL BOX **CONTREX-GRP SERIES**

CONTREX I031GRP. EMERGENCY STOP BUTTON WITH KEY



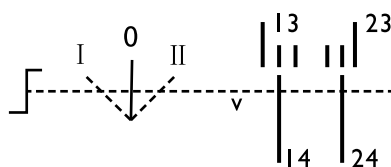
REFERENCE	CONTREX I031GRP
SIZE	95x86x76
IT CONTAINS	• Emergency stop button with key NO+NC • Polyamide M20 cable gland for non armored cable. • Optional other materials, for armored cable,...

CONTREX I040GRP. EMERGENCY STOP BUTTON WITH KEY



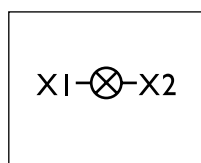
REFERENCE	CONTREX I040GRP
SIZE	95x86x76
IT CONTAINS	• Emergency stop button with key NO+NC • Polyamide M20 cable gland for non armored cable. • Optional other materials, for armored cable,...

CONTREX I050GRP. CONTREX 3-POSITION SELECTOR



REFERENCE	CONTREX I050GRP
SIZE	95x86x76
IT CONTAINS	• 3-position selector • Polyamide M20 cable gland for non armored cable. • Optional other materials, for armored cable,...

CONTREX I060GRP. PILOT WHITE LIGHT



REFERENCE	CONTREX I060GRP
SIZE	95x86x76
IT CONTAINS	• Pilot white light • Polyamide M20 cable gland for non armored cable. • Optional other materials, for armored cable,...

PRE-ASSEMBLED POLYESTER CONTROL BOX **CONTREX-GRP SERIES**

CONTREX I061GRP. BRIGHT GREEN



X1-⊗-X2

REFERENCE	CONTREX I061GRP
SIZE	95x86x76
IT CONTAINS	• Green pilot light • Polyamide M20 cable gland for non armored cable. • Optional other materials, for armored cable,...

CONTREX I062GRP. BRIGHT RED



X1-⊗-X2

REFERENCE	CONTREX I062GRP
SIZE	95x86x76
IT CONTAINS	• Red pilot light • Polyamide M20 cable gland for non armored cable. • Optional other materials, for armored cable,...

CONTREX I063GRP. BRIGHT YELLOW



X1-⊗-X2

REFERENCE	CONTREX I063GRP
SIZE	95x86x76
IT CONTAINS	• Yellow pilot light • Polyamide M20 cable gland for non armored cable. • Optional other materials, for armored cable,...

CONTREX I064GRP. BRIGHT BLUE

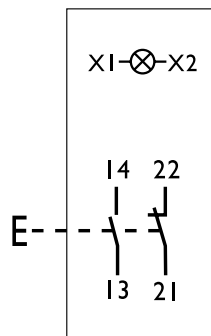


X1-⊗-X2

REFERENCE	CONTREX I064GRP
SIZE	95x86x76
IT CONTAINS	• Pilot blue light • Polyamide M20 cable gland for non armored cable. • Optional other materials, for armored cable,...

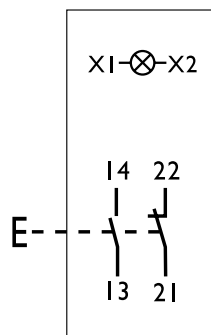
PRE-ASSEMBLED POLYESTER CONTROL BOX **CONTREX-GRP SERIES**

CONTREX I070GRP. CONTREX BRIGHT WHITE BUTTON NC



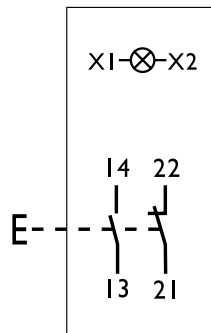
REFERENCE	CONTREX I070GRP
SIZE	138x86x76
IT CONTAINS	• Bright white button NC • Polyamide M25 cable gland for non armored cable. • Optional other materials, for armored cable,...

CONTREX I071GRP. CONTREX BRIGHT GREEN BUTTON NC



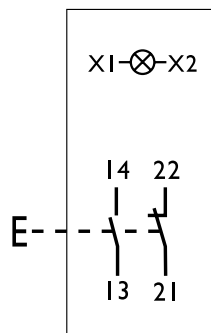
REFERENCE	CONTREX I071GRP
SIZE	138x86x76
IT CONTAINS	• Bright green button NC • Polyamide M25 cable gland for non armored cable. • Optional other materials, for armored cable,...

CONTREX I072GRP. CONTREX BRIGHT RED BUTTON NC



REFERENCE	CONTREX I072GRP
SIZE	138x86x76
IT CONTAINS	• Bright red button NC • Polyamide M25 cable gland for non armored cable. • Optional other materials, for armored cable,...

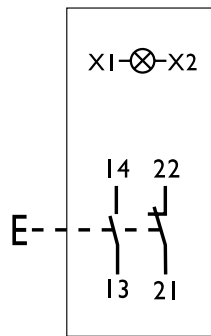
CONTREX I073GRP. CONTREX BRIGHT YELLOW BUTTON NC



REFERENCE	CONTREX I073GRP
SIZE	138x86x76
IT CONTAINS	• Bright yellow button NC • Polyamide M25 cable gland for non armored cable. • Optional other materials, for armored cable,...

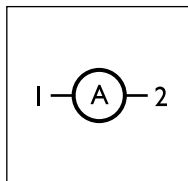
PRE-ASSEMBLED POLYESTER CONTROL BOX **CONTREX-GRP SERIES**

CONTREX I074GRP. BRIGHT BLUE BUTTON NC



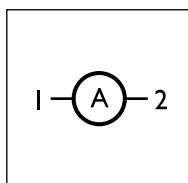
REFERENCE	CONTREXI074GRP
SIZE	135x86x76
IT CONTAINS	• Bright blue button NC • Polyamide M25 cable gland for non armored cable. • Optional other materials, for armored cable,...

CONTREX I100GRP. AMMETER 1A



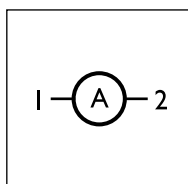
REFERENCE	CONTREXI100GRP
SIZE	135x86x76
IT CONTAINS	• Ammeter 1A • Polyamide M25 cable gland for non armored cable. • Optional other materials, for armored cable,...

CONTREX I101GRP. AMMETER 4A



REFERENCE	CONTREXI101GRP
SIZE	135x86x76
IT CONTAINS	• Ammeter 4A • Polyamide M25 cable gland for non armored cable. • Optional other materials, for armored cable,...

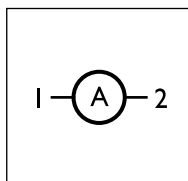
CONTREX I102GRP. AMMETER 5A



REFERENCE	CONTREXI102GRP
SIZE	135x86x76
IT CONTAINS	• Ammeter 5A • Polyamide M25 cable gland for non armored cable. • Optional other materials, for armored cable,...

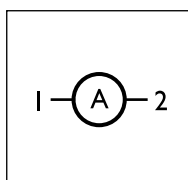
PRE-ASSEMBLED POLYESTER CONTROL BOX **CONTREX-GRP SERIES**

CONTREX I103GRP. AMMETER 10A



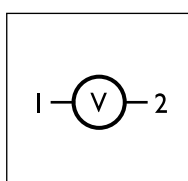
REFERENCE	CONTREX I103GRP
SIZE	135x86x76
IT CONTAINS	• Ammeter 10A • Polyamide M25 cable gland for non armored cable. • Optional other materials, for armored cable,...

CONTREX I104GRP. AMMETER 15A



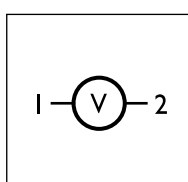
REFERENCE	CONTREX I104GRP
SIZE	135x86x76
IT CONTAINS	• Ammeter 15A • Polyamide M25 cable gland for non armored cable. • Optional other materials, for armored cable,...

CONTREX I200GRP. VOLTMETER 25V



REFERENCE	CONTREX I200GRP
SIZE	135x86x76
IT CONTAINS	• Voltmeter 25V • Polyamide M25 cable gland for non armored cable. • Optional other materials, for armored cable,...

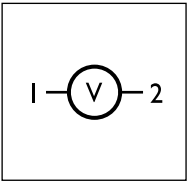
CONTREX I201GRP. VOLTMETER 40V



REFERENCE	CONTREX I201GRP
SIZE	135x86x76
IT CONTAINS	• Voltmeter 40V • Polyamide M25 cable gland for non armored cable. • Optional other materials, for armored cable,...

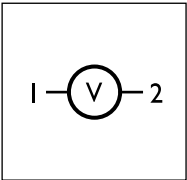
PRE-ASSEMBLED POLYESTER CONTROL BOX **CONTREX-GRP SERIES**

CONTREX I202GRP. VOLTMETER 150V



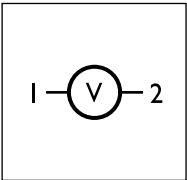
REFERENCE	CONTREX I202GRP
SIZE	135x86x76
IT CONTAINS	• Voltmeter 150V • Polyamide M25 cable gland for non armored cable. • Optional other materials, for armored cable,...

CONTREX I203GRP. VOLTMETER 250V



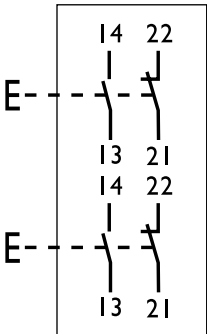
REFERENCE	CONTREX I203GRP
SIZE	135x86x76
IT CONTAINS	• Voltmeter 250V • Polyamide M25 cable gland for non armored cable. • Optional other materials, for armored cable,...

CONTREX I204GRP. VOLTMETER 500V



REFERENCE	CONTREX I204GRP
SIZE	135x86x76
IT CONTAINS	• Voltmeter 500V • Polyamide M25 cable gland for non armored cable. • Optional other materials, for armored cable,...

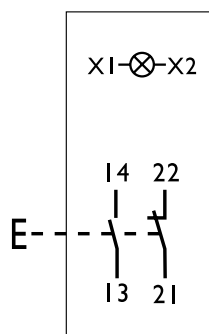
CONTREX 2010GRP. 2 PUSHBUTTONS, START AND STOP



REFERENCE	CONTREX2010GRP
SIZE	138x86x76
IT CONTAINS	• Pushbuttons start NO-NC • Pushbuttons stop NO-NC • Polyamide M25 cable gland for non armored cable. • Optional other materials, for armored cable,...

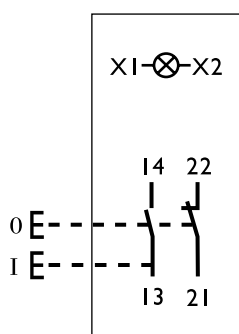
PRE-ASSEMBLED POLYESTER CONTROL BOX **CONTREX-GRP SERIES**

CONTREX 2020GRP. GREEN PILOT AND PUSHBUTTONS STOP



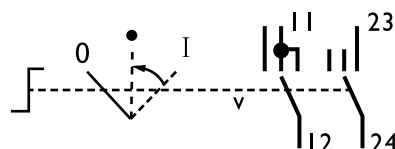
REFERENCE	CONTREX2020GRP
SIZE	135x86x76
IT CONTAINS	• Pilot green • Pushbutton stop NO + NC • Polyamide M25 cable gland for non armored cable. • Optional other materials, for armored cable,...

CONTREX 2030GRP. GREEN LAMP AND DOUBLE START-STOP BUTTON



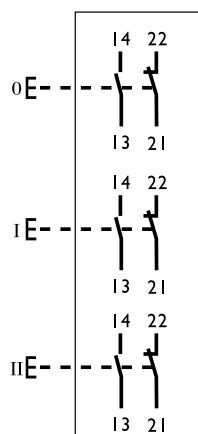
REFERENCE	CONTREX2030GRP
SIZE	135x86x76
IT CONTAINS	• Pilot green • Double pushbutton NO + NC • Polyamide M25 cable gland for non armored cable. • Optional other materials, for armored cable,...

CONTREX 3100GRP. 5A AMMETER AND SELECTOR 3 POSITION



REFERENCE	CONTREX3100GRP
SIZE	175x86x76
IT CONTAINS	• Ammeter 5A • 3 position selector NC + NO • Polyamide M25 cable gland for non armored cable. • Optional other materials, for armored cable,...

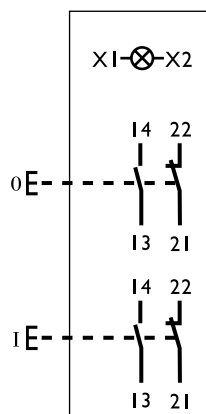
CONTREX 3010GRP. 3 BUTTONS



REFERENCE	CONTREX3010GRP
SIZE	175x86x76
IT CONTAINS	• Pushbutton green NO + NC • Pushbutton rojo NO + NC • Pushbutton amarillo NO + NC • Polyamide M25 cable gland for non armored cable. • Optional other materials, for armored cable,...

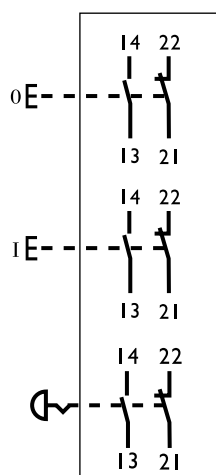
PRE-ASSEMBLED POLYESTER CONTROL BOX **CONTREX-GRP SERIES**

CONTREX 3020GRP. 1 PILOT LIGHT AND 2 PUSHBUTTON



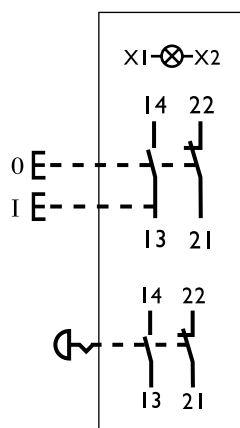
REFERENCE	CONTREX3020GRP
SIZE	175x86x76
IT CONTAINS	• Pilot green • Pushbutton stop NC + NO • Pushbutton start NC + NO • Polyamide M25 cable gland for non armored cable. • Optional other materials, for armored cable,...

CONTREX 3030GRP. 2 BUTTONS AND BUTTON OF EMERGENCY



REFERENCE	CONTREX3030GRP
SIZE	175x86x76
IT CONTAINS	• Pushbutton start • Pushbutton stop NC + NO • Pushbutton of emergency NC + NO • Polyamide M25 cable gland for non armored cable. • Optional other materials, for armored cable,...

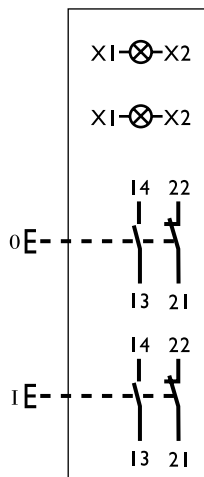
CONTREX 3040GRP. 1 PILOT LIGHT, DOUBLE PUSHBUTTON AND BUTTON OF EMERGENCY



REFERENCE	CONTREX3040GRP
SIZE	175x86x76
IT CONTAINS	• Pilot green • Double pushbutton NC + NO • Button of emergency NC + NO • Polyamide M25 cable gland for non armored cable. • Optional other materials, for armored cable,...

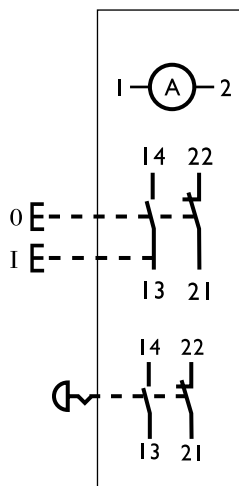
PRE-ASSEMBLED POLYESTER CONTROL BOX **CONTREX-GRP SERIES**

CONTREX 6010GRP. 2 PILOTS LIGHT AND 2 PUSHBUTTON



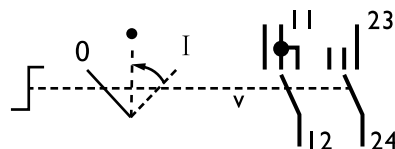
REFERENCE	CONTREX6010GRP
SIZE	215x100x76
IT CONTAINS	• Pilot red • Pilot green • Pushbutton stop NC + NO • Pushbutton start NC + NO • Polyamide M25 cable gland for non armored cable. • Optional other materials, for armored cable,....

CONTREX 6020GRP. AMMETER, DOUBLE PUSHBUTTON AND BUTTON OF EMERGENCY



REFERENCE	CONTREX6020GRP
SIZE	215x100x76
IT CONTAINS	• Ammeter 5A • Double pushbutton NC + NO • Pushbutton of emergency NC + NO • Polyamide M25 cable gland for non armored cable. • Optional other materials, for armored cable,....

CONTREX 6030GRP. AMMETER, PILOTS LIGHT AND 3 POSITION SELECTOR



REFERENCE	CONTREX6030GRP
SIZE	215x100x76
IT CONTAINS	• Ammeter 5A • Pilot green • 3 position selector NC + NO • Polyamide M25 cable gland for non armored cable. • Optional other materials, for armored cable,....

DELVALLE OFFERS OTHER SOLUTIONS ATEX & IECEx

➔ [CLICK HERE AND DISCOVER ALL SOLUTIONS](#)

ATEX TERMINAL BOXES **TERBOX SERIES**



EX LOCAL CONTROL & DISTRIBUTION BOXES **CONTREX SERIES**



PLUG AND SOCKET BOXES **CONNEX SERIES**



FLAMEPROOF CONNECTION BOXES **EJB SERIES**



EX LIGHTING FIXTURE **ATEX**



PRESSURIZED ENCLOSURE EX P **PEPPEX SERIES**



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EX CABLE GLANDS ATEX & IECEx



MOTOR AND SWITCH MACHINES ATEX & IECEx



EX PUSH BUTTON STATION CONTREX SERIES



INDUSTRIAL WORKSTATIONS & HMI'S ATEX



EX 19" RACK ATEX



HAZARDOUS WIRELESS & ANTENNA SYSTEMS ATEX





/ FLEXIBLE ATEX & IECEx SOLUTIONS



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Contact us, we will be available at any time



HAZARDOUS AREA SOLUTIONS

atex@atexdelvalle.com | www.atexdelvalle.com

EX OPERATION HEAD IP66



Delvalle, wide experience in manufacturing solutions for hazardous area



WE PUT AT YOUR DISPOSAL

We offer over **45 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.
Certified Junction Box Assembly.
Atex-delvalle are the leading certified assembler of Ex junction boxes. With an extensive stock holding of stainless steel enclosures, our workshops are able to provide unrivalled competence, expertise, quality and service to customer specifications.
Our customized services, experienced design and drafting 3D support.

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 18001, 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 OPERATION HEAD IP66



Examples

Select the Operation Head and Discover Multiple Options

Delvalle Ex operation head conform to Atex and IECEx certifications, it is available a wide range of products (cover of signal lamp, push-pulling button, rubber sheath button,...) to include all type of application are made of polyamide.

They have high degree of protection up to IP66 for use in explosive atmospheres listed as Zones 1, 2, 21 and 22 and can be used in ambient temperature between -55°C to +65°C.



FOR MORE INFORMATION CLICK HERE



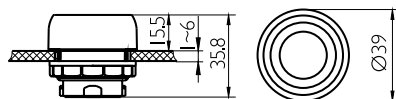
CERTIFICATES

- Certificates number:
 - IECEx CML 19.0083U
 - CML 19ATEX3298U
- Type protection:
 - Ex eb IIC Gb
 - Ex tb IIIC Db
- Ambient temperature:
 - -55°C < Ta < +65°C
- Standard:
 - Directive 2014/34/UE
 - EN IEC 60079-0:2018
 - EN IEC 60079-7:2015+A1:2018
 - EN 60079-31:2014
 - IEC 60079-0:2017
 - IEC 60079-31:2013
 - IEC 60079-7:2017

EX OPERATION HEAD

IP66

PBI00. BUTTON (Ø39mm)



REFERENCE	DIRECTION
PBI00	

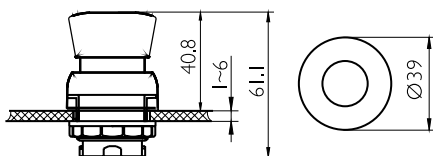
SELECT A COLOR. STANDAR COLORS



ANOTHER COLORS

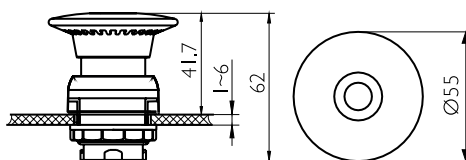


MHI00_. SMALL MUSHROOM HEAD BUTTON (Ø39mm)



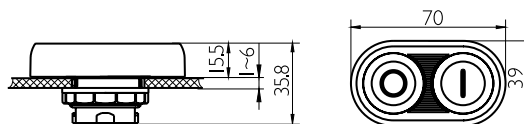
COLORS	REFERENCES	DIRECTION
	MHI00R	
	MHI00G	
	MHI00B	

MHI01_. MUSHROOM HEAD BUTTON (Ø55mm)



COLORS	REFERENCES	DIRECTION
	MHI01R	
	MHI01G	
	MHI01B	

PB200. DOUBLE BUTTON (70x39mm)



REFERENCE	DIRECTION
PB200	

SELECT A COLOR. STANDAR COLORS



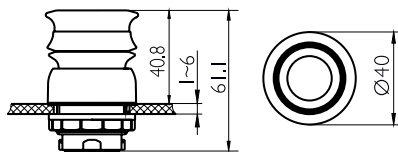
ANOTHER COLORS



EX OPERATION HEAD

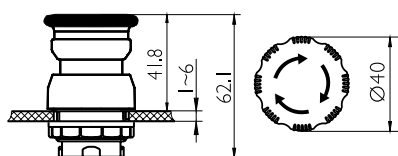
IP66

MH200. EMERGENCY PUSH-PULLING BUTTON (RED / YELLOW) (Ø40mm)



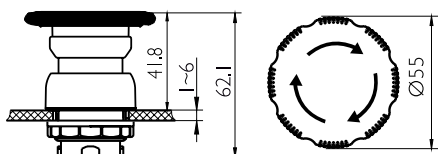
REFERENCE	DIRECTION
MH200	

MH400B. SMALL TWIST TO RELEASE BUTTON (BLACK) (Ø40mm)



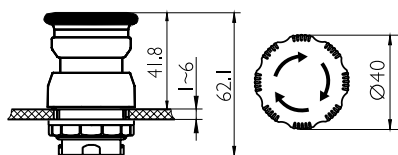
REFERENCE	DIRECTION
MH400B	

MH401B. TWIST TO RELEASE BUTTON (BLACK) (Ø55mm)



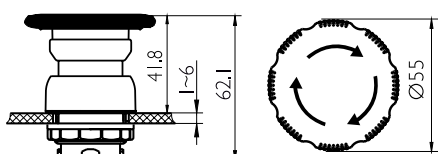
REFERENCE	DIRECTION
MH401B	

MH400E. SMALL EMERGENCY STOP TWIST TO RELEASE BUTTON (RED / YELLOW) (Ø40mm)



REFERENCE	DIRECTION
MH400E	

MH401E. EMERGENCY STOP TWIST TO RELEASE BUTTON (RED / YELLOW) (Ø55mm)

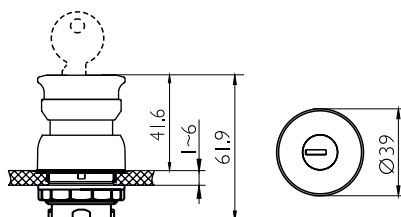


REFERENCE	DIRECTION
MH401E	

EX OPERATION HEAD

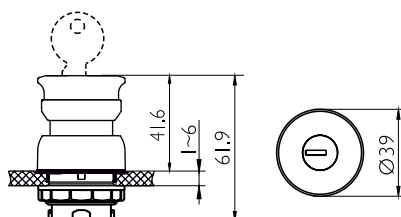
IP66

MH300BH / MH300BV. KEY-RELEASING BUTTON (RED / BLACK) (Ø39mm)



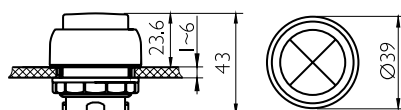
REFERENCES	DIRECTION
MH300BH	
MH300BV	

MH300EH / MH300EV. EMERGENCY STOP KEY-RELEASING BUTTON (RED / YELLOW) (Ø39mm)



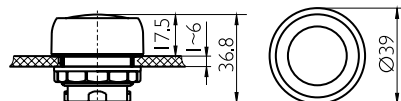
REFERENCES	DIRECTION
MH300EH	
MH300EV	

SL___. COVER OF SIGNAL LAMP (Ø39mm)



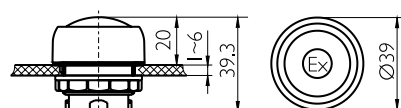
COLORS	REFERENCES	DIRECTION
	SLLW	
	SLLY	
	SLLR	
	SLLG	
	SLLB	

PBSL___. SIGNAL LAMP WITH BUTTON (Ø39mm)



COLORS	REFERENCES	DIRECTION
	PBSLPW	
	PBSLPY	
	PBSLPR	
	PBSLPG	
	PBSLPB	

STOPPLUG. STOPPING PLUG: UNUSED HOLE ON PANEL TO BE PLUGGED (BLACK) (Ø39mm)

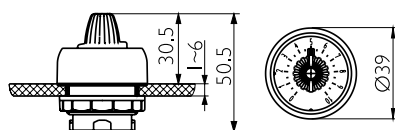


REFERENCE	DIRECTION
STOPPLUG	

EX OPERATION HEAD

IP66

PTH / PTV. POTENTIOMETER SETTING (BLACK) (Ø39mm)



REFERENCES	DIRECTION
PTH	
PTV	

SLC500B___. TOGGLE SWITCH OPERATION HEAD (BLACK) (Ø39mm)

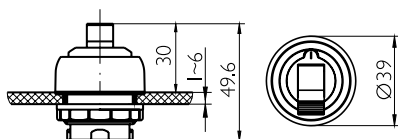


DIAGRAM	REFERENCES	DIRECTION
	SLC500BH I	
	SLC500BV I	
	SLC500BH2	
	SLC500BV2	

SLC500EH I / SLC500EV I. TOGGLE SWITCH OPERATION HEAD (RED / YELLOW) (Ø39mm)

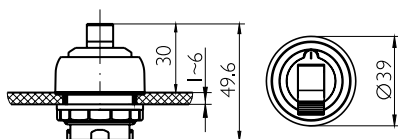


DIAGRAM	REFERENCES	DIRECTION
	SLC500EH I	
	SLC500EV I	

SLC_____KEY. KEY BUTTON, SWITCH (BLACK) (Ø39mm)

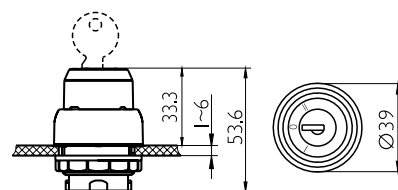


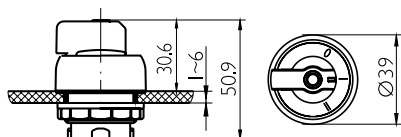
DIAGRAM	REFERENCES	DIRECTION
	SLC2003H I 0 KEY	
	SLC2003V I 0 KEY	
	SLC2006V 0 I KEY	
	SLC2006H 0 I KEY	
	SLC3004V 0 4 KEY	
	SLC3004H 0 4 KEY	
	SLC3005V 0 4 KEY	
	SLC3005H 0 4 KEY	
	SLC3008V 0 5 KEY	
	SLC3008H 0 5 KEY	

LOCKED
 SPRING-RETURN
 PULL OUT KEY

EX OPERATION HEAD

IP66

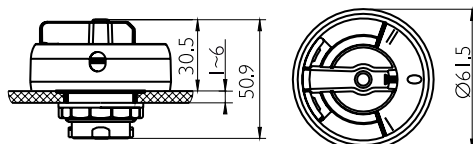
SLC200___ / SLC300___, SMALL SWITCH (BLACK) (Ø39mm)



LOCKED SPRING-RETURN

DIAGRAM	REFERENCES	DIRECTION
 I - 0 - II	SLC300BHD	
	SLC300BVD	
 I - 0 - II	SLC300BHA	
	SLC300BVA	
 0 - I	SLC200BHA	
	SLC200BVA	
 0 - I	SLC300BHE	
	SLC300BVE	

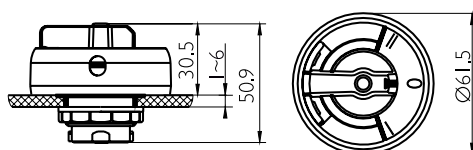
SLC201B__LOCK / SLC301B__LOCK, SWITCH (BLACK) (Ø61,5mm)



LOCKED SPRING-RETURN PADLOCK POSITION

DIAGRAM	REFERENCES	DIRECTION
 90° 0 - I	SLC201BHALOCK	
	SLC201BVALOCK	
 I - 0 - II	SLC301BHDLOCK	
	SLC301BVDLOCK	
 I - 0 - II	SLC301BHALOCK	
	SLC301BVALOCK	
 0 - I	SLC301BHELOCK	
	SLC301BVELOCK	

SLC201EHALOCK / SLC201EVALOCK, SWITCH (RED / YELLOW) (Ø61,5mm)



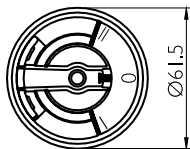
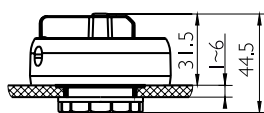
LOCKED SPRING-RETURN PADLOCK POSITION

DIAGRAM	REFERENCES	DIRECTION
 90° 0 - I	SLC201EHALOCK	
	SLC201EVALOCK	

EX OPERATION HEAD

IP66

SLC401B___. 4-POLE SWITCH (BLACK) (Ø61,5mm)



LOCKED



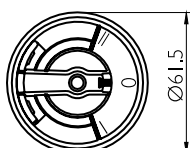
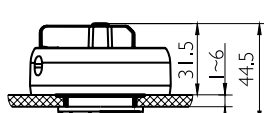
SPRING-RETURN



PADLOCK POSITION

DIAGRAM	REFERENCES	DIRECTION
 72° 0 - I	SLC401BH1	
	SLC401BV1	
 2x36° I - 0 - II	SLC401BH3	
	SLC401BV3	
 3x36° I - II - III - IV	SLC401BH4	
	SLC401BV4	

SLC401EH1 / SLC401EV1. 4-POLE SWITCH (RED / YELLOW) (Ø61,5mm)



LOCKED



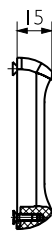
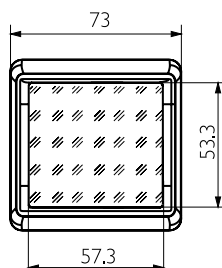
SPRING-RETURN



PADLOCK POSITION

DIAGRAM	REFERENCES	DIRECTION
 72° 0 - I	SLC401EH1	
	SLC401EV1	

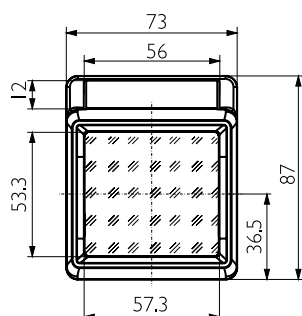
WINDOWS_M1. CALOTTE: PROTECTIVE WINDOW FOR MEASURING METER (73x73mm)



REFERENCE

WINDOWS_M1

WINDOWS_M2. CALOTTE WITH LABEL: PROTECTIVE WINDOW FOR MEASURING METER (73x87mm)



REFERENCE

WINDOWS_M2



Zones 1, 2, 21 and 22

SAFETY LATCHES FOR BOARD FRONT MOUNTING



Examples

Contact Distance Operation Head and Switch Module

The safety latches for board front mounting modules are screwed on the lid conform to Atex and IECEx certifications. This is a way to solve the problem of the contact distance between operation head and switch module. They have high degree of protection up to IP66 for use in explosive atmospheres listed as Zones 1, 2, 21 and 22.

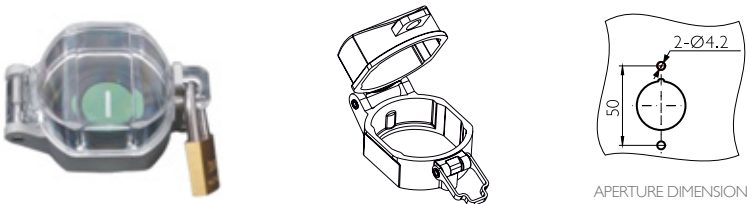


[FOR MORE INFORMATION CLICK HERE](#)



SAFETY LATCHES FOR BOARD FRONT MOUNTING

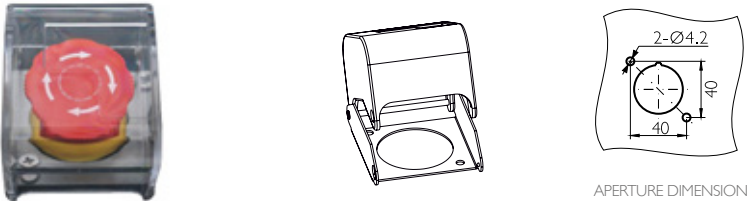
SAFEPB1C. BUTTON SAFETY LATCH (FOR BOARD FRONT MOUNTING RAIL TYPE)



REFERENCE	USED	DIMENSIONS (mm)
SAFE PB1C	PB100 SLC200_ _ _ SLC300_ _ _	WIDTH: 72 HIGH: 44 DEPTH: 37 DISTANCE*: ≥40

*MINIMUM DISTANCE BETWEEN OPERATION HEAD

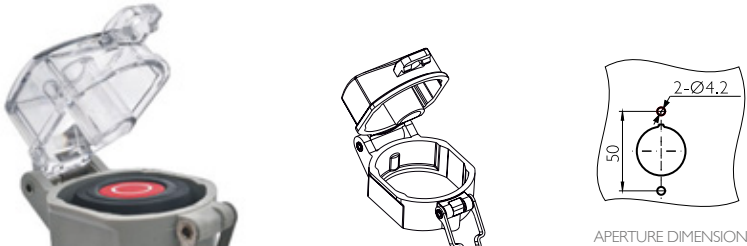
SAFEMH1C. PUSH-PULLING BUTTON SAFETY LATCH (FOR BOARD FRONT MOUNTING RAIL TYPE)



REFERENCE	USED	DIMENSIONS (mm)
SAFEMH1C	MH100_ MH200 MH400B MH400E	WIDTH: 70.2 HIGH: 58 DEPTH: 50 DISTANCE*: ≥50

*MINIMUM DISTANCE BETWEEN OPERATION HEAD

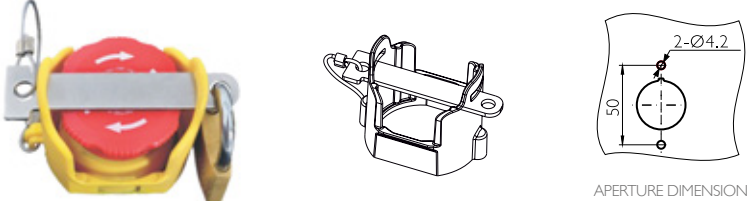
SAFEPB2C. CONSTANT PRESSURE TYPE SAFETY LATCH (FOR BOARD FRONT MOUNTING RAIL TYPE)



REFERENCE	USED	DIMENSIONS (mm)
SAFE PB2C	PB100	WIDTH: 72 HIGH: 44 DEPTH: 37 DISTANCE*: ≥40

*MINIMUM DISTANCE BETWEEN OPERATION HEAD

SAFEMH2C. SAFETY LATCH WITH PADLOCK (FOR BOARD FRONT MOUNTING RAIL TYPE)



REFERENCE	USED	DIMENSIONS (mm)
SAFEMH2C	MH200 MH400B MH400E	WIDTH: 82 HIGH: 44 DEPTH: 45 DISTANCE*: ≥40

*MINIMUM DISTANCE BETWEEN OPERATION HEAD

SAFEPB200. DOUBLE BUTTON SAFETY LATCH



REFERENCE	USED	DIMENSIONS (mm)
SAFE PB200	PB200	WIDTH: 78.4 HIGH: 40.7 DEPTH: 27 DISTANCE*: ≥40

*MINIMUM DISTANCE BETWEEN OPERATION HEAD

DELVALLE OFFERS OTHER SOLUTIONS ATEX & IECEx

➔ [CLICK HERE AND DISCOVER ALL SOLUTIONS](#)

ATEX TERMINAL BOXES **TERBOX SERIES**



EX LOCAL CONTROL & DISTRIBUTION BOXES **CONTREX SERIES**



PLUG AND SOCKET BOXES **CONNEX SERIES**



FLAMEPROOF CONNECTION BOXES **EJB SERIES**



EX LIGHTING FIXTURE **ATEX**



PRESSURIZED ENCLOSURE EX P **PEPPEX SERIES**



DELVALLE OFFERS OTHER SOLUTIONS ATEX & IECEx

➔ [CLICK HERE AND DISCOVER ALL SOLUTIONS](#)

EX CABLE GLANDS ATEX & IECEx



MOTOR AND SWITCH MACHINES ATEX & IECEx



EX PUSH BUTTON STATION CONTREX SERIES



INDUSTRIAL WORKSTATIONS & HMI'S ATEX



EX 19" RACK ATEX

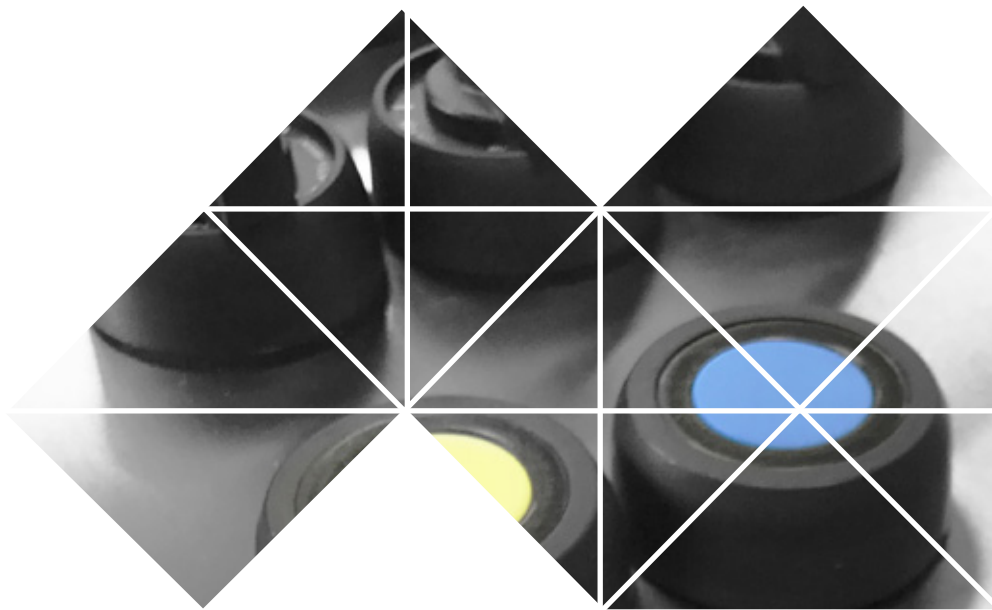


HAZARDOUS WIRELESS & ANTENNA SYSTEMS ATEX





/ FLEXIBLE ATEX & IECEx SOLUTIONS



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

Contact us, we will be available at any time

Zones I, 2, 21 and 22



HAZARDOUS AREA SOLUTIONS

atex@atexdelvalle.com | www.atexdelvalle.com

TERMINAL & JUNCTION BOXES

TERBOX SERIES

IP66



STAINLESS
ANTICORROSIVE
GUARANTEE



MECHANICAL PARTS
GUARANTEE



Delvalle, wide experience in manufacturing solutions for hazardous area



WE PUT AT YOUR DISPOSAL

We offer over **45 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.
Certified Junction Box Assembly.
Atex-delvalle are the leading certified assembler of Ex junction boxes. With an extensive stock holding of stainless steel enclosures, our workshops are able to provide unrivalled competence, expertise, quality and service to customer specifications.
Our customized services, experienced design and drafting 3D support.

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 18001, **ATEX, IECEx**.



CONTACT US

Confidentiality, reliability & quality

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+34 945 601 381

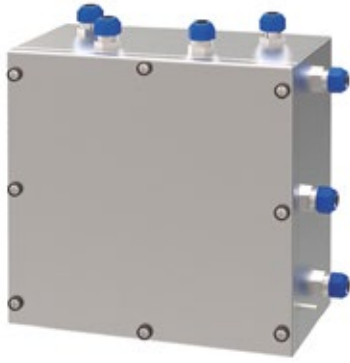
ALSO ONLINE

Please contact our technical sales department.

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



CRITERIA FOR CHOOSING TERMINAL BOXES



Gives Cost and Time Savings

The Ex Junction Box “Terbox” series has been developed for installations in hazardous areas 1, 2, 21 and 22. For installation of signal and power distribution networks in explosion hazardous areas, various types of terminal boxes and junction boxes are available.



We have terminal junction boxes screw closure (Terbox-Geoex Series), hinged terminal & junction boxes (Terbox-Luxorex Series) and high capacity & junction boxes (Terbox-Tribex Series).



They are certified according to the latest Atex and other international standards, types of explosion protection include Ex e, Ex ia, and Ex tb. We Custom made Ex Junction boxes in AISI 304L or 316L Stainless Steel, they prove our commitment for functionality, design and sealing in our range of Ex terminals. All types are robust, durable and highly heat resistant. Distinctive construction features facilitate installation and maintenance.

➔ [FOR MORE INFORMATION CLICK HERE](#)



Zones 1, 2, 21 and 22

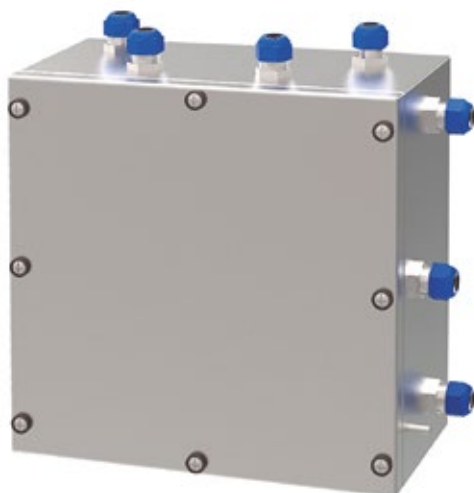
TERMINAL & JUNCTION BOXES **TERBOX - GEOEX SERIES** IP66

**Gives Cost
and Time Savings**

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.



Examples



TECHNICAL FEATURES

- Made of stainless steel AISI 304L or AISI 316L, with a polished glossy surface finish.
- 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.
- Seawater resistant.
- External M6 ground connection.
- Wide range of ambient temperatures.
- Thickness 1.5 mm (depending on boxes).
- Optional cable entry cover and hinges.
- Different mounting options.
- Operating temperature (ambience): -25° to ≤60°C.
- Voltage range: max. 1100 V.
- Current range: max. 350 A (depending on the types of terminal and Ex components used).

➔ **FOR MORE INFORMATION CLICK HERE**

TERMINAL & JUNCTION BOXES **TERBOX - GEOEX SERIES** IP66

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



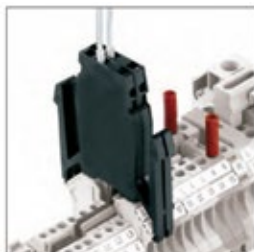
Fixation



Electrical power
supply



Electrical distribution



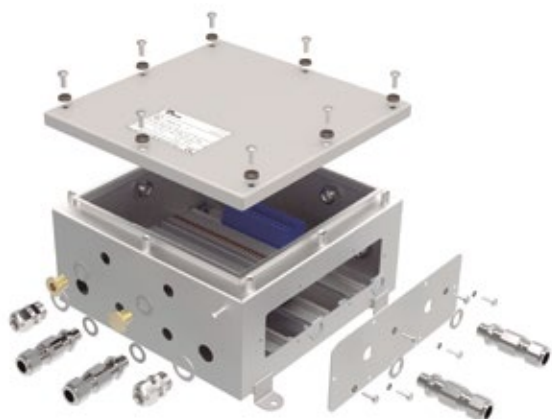
Testing



Specific functions,
color variations



TERMINAL & JUNCTION BOXES **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 Ex certified companies in our field, we achieve total adaptability and flexibility.

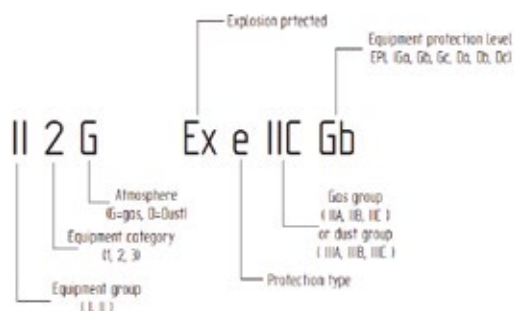
PROTECTION MODE

- According to directive EN 60079-0 for empty enclosures:
 - II 2G Ex e IICGb
 - II 2D Ex e IIIC Db IP66
- According to directive EN 60079-0 for terminal boxes:
 - II 2G Ex e IICGb
 - II 2D Ex e IIIC Db IP66
- Certificate empty box terminal:
 - LOM I4ATEX3028U
- Certificate Terbox:
 - LOM I4ATEX2082
- Certificate quality:
 - LOM I4ATEX9050
- Maximum IK10 norm IEC 62262.
- Voltage range: max. 1100V and current and voltage range: max. 350 A (depending on the types of terminal and Ex components used).

CERTIFICATION

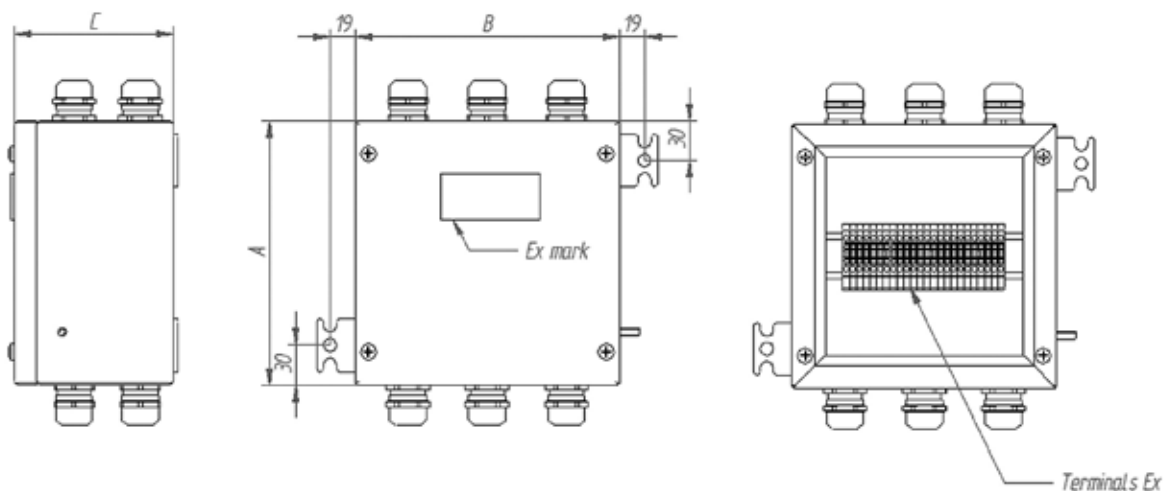
Atex & IECEx directive and normative:

- 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.



 delvalle®		DELVALLE ☎ +34 945 622 712 Paso del Prao 6 Oyón. 01320 (Spain) atex@atexdelvalle.com www.atexdelvalle.com	
Enclosures and cabinets for Special Requirements			
CE 0163 		II 2G Ex e IIC T6 Gb II 2D Ex tb IIIC T85°C Db	
LOM-14-ATEX-2082		Type: GEOTB202012EX	
U _N =	V	-25 °C < Ta < 60°C	IP 66
I _N =	A	S. No/Year PV1415-00570-1A / 2014	
DO NOT OPEN WHEN ENERGIZED			

TECHNICAL SPECIFICATIONS



REFERENCES

REFERENCES		N° TERMINALS													
REFERENCES	N° LANES	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	6	5	5	4	--	--	--	--	--	--	--
GEOTB161190EX	1	160	110	90	15	13	10	8	--	--	--	--	--	--	--
GEOTB111690EX	1	110	160	90	15	13	10	8	--	--	--	--	--	--	--
GEOTB261112EX	1	260	110	120	30	25	20	18	13	--	--	--	--	--	--
GEOTB112612EX	1	110	260	120	30	25	20	18	13	--	--	--	--	--	--
GEOTB202012EX	2	200	200	120	60	50	45	40	30	15	8	--	--	--	--
GEOTB252515EX	2	250	250	150	80	75	60	50	40	30	20	15	15	--	--
GEOTB302015EX	2	300	200	150	100	90	70	55	50	35	25	15	15	--	--
GEOTB203015EX	2	200	300	150	100	90	70	55	50	35	25	15	15	--	--
GEOTB303015EX	3	300	300	150	110	100	80	65	60	41	35	25	25	--	--
GEOTB404017EX	3	400	400	170	145	130	100	75	60	50	40	35	30	--	--
GEOTB505017EX	3	500	500	170	170	150	100	75	60	50	40	35	35	30	30
GEOTB606017EX	4	600	600	170	200	160	100	75	60	50	40	40	35	30	30

10
YEARS

STAINLESS
ANTICORROSIVE
GUARANTEE

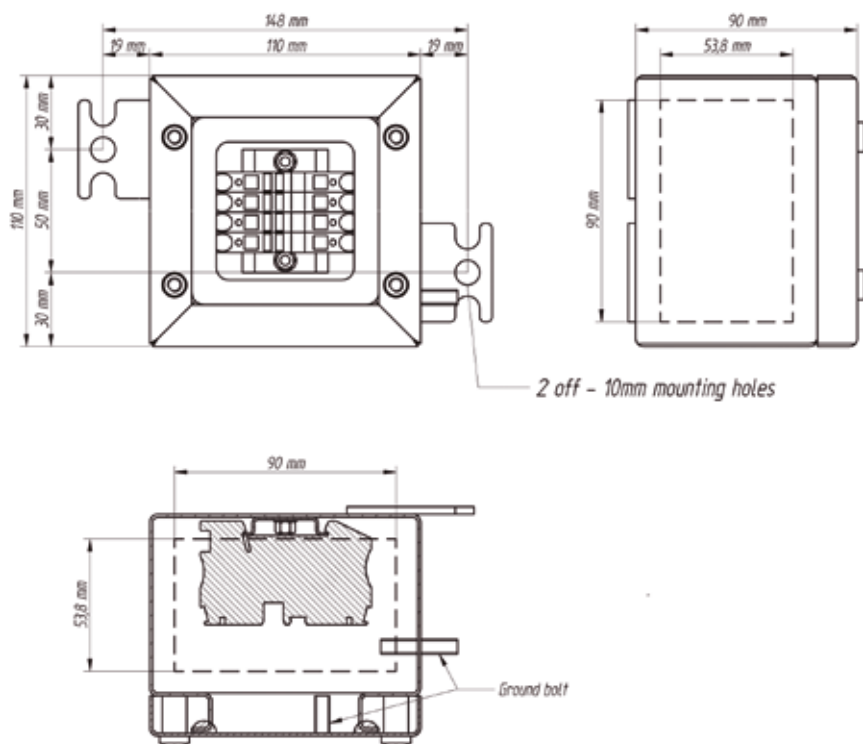
5
YEARS

MECHANICAL PARTS
GUARANTEE

TERMINAL & JUNCTION BOXES **TERBOX - GEOEX SERIES** IP66

MEASURES 110X100X90

TECHNICAL SPECIFICATIONS



REFERENCES

MAXIMUM NUMBER TERMINALS				
REFERENCES	Section mm ²	Current max. (A)	Voltage max. (V)	N° RAILS
				I
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

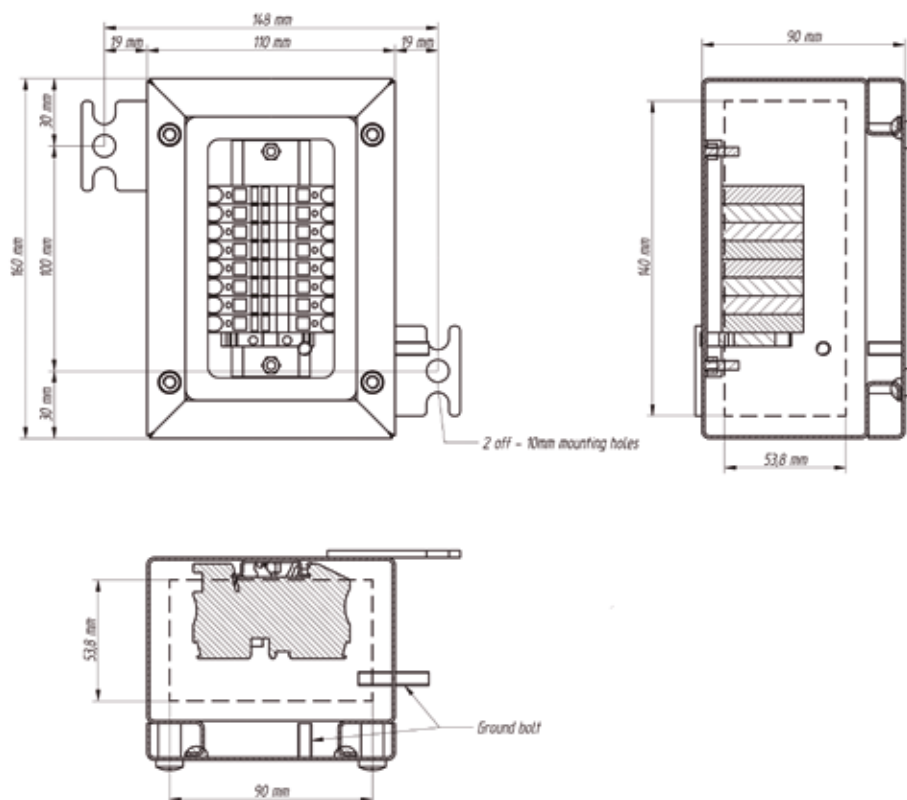
MAXIMUM NUMBER OF INPUTS PER SIDE

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

TERMINAL & JUNCTION BOXES **TERBOX - GEOEX SERIES** IP66

MEASURES 110X160X90

TECHNICAL SPECIFICATIONS



REFERENCES

MAXIMUM NUMBER TERMINALS				
REFERENCES	Section mm ²	Current max. (A)	Voltage max. (V)	N° Rails
				I
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

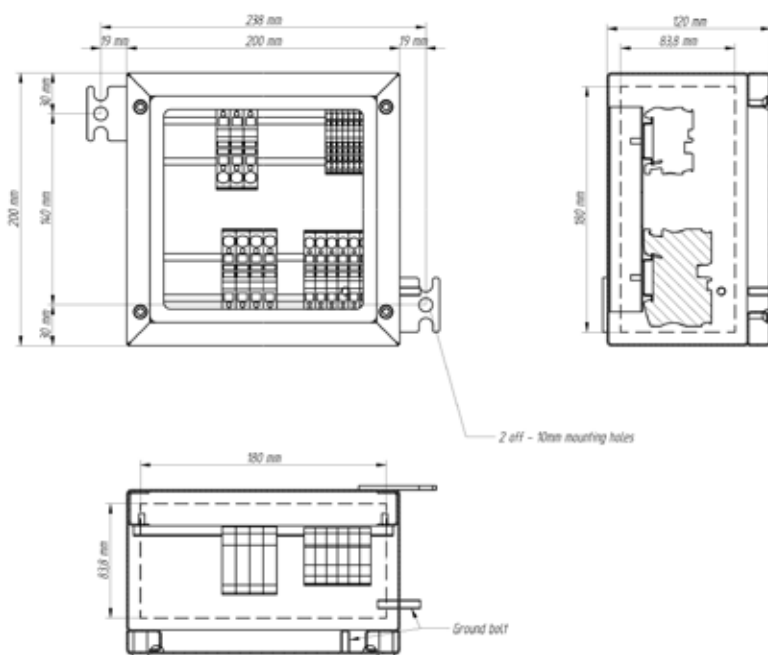
MAXIMUM NUMBER OF INPUTS PER SIDE

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

TERMINAL & JUNCTION BOXES **TERBOX - GEOEX SERIES** IP66

MEASURES 200X200X120

TECHNICAL SPECIFICATIONS



REFERENCES

MAXIMUM NUMBER TERMINALS				
REFERENCES	Section mm ²	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

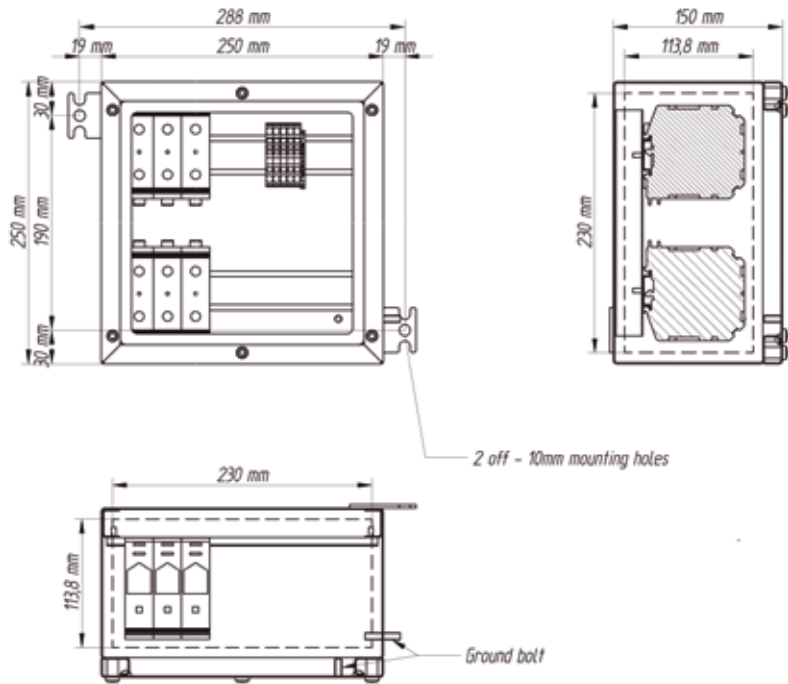
MAXIMUM NUMBER OF INPUTS PER SIDE

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	-	-

TERMINAL & JUNCTION BOXES **TERBOX - GEOEX SERIES** IP66

MEASURES 250X250X150

TECHNICAL SPECIFICATIONS



REFERENCES

MAXIMUM NUMBER TERMINALS				
REFERENCES	Section mm ²	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

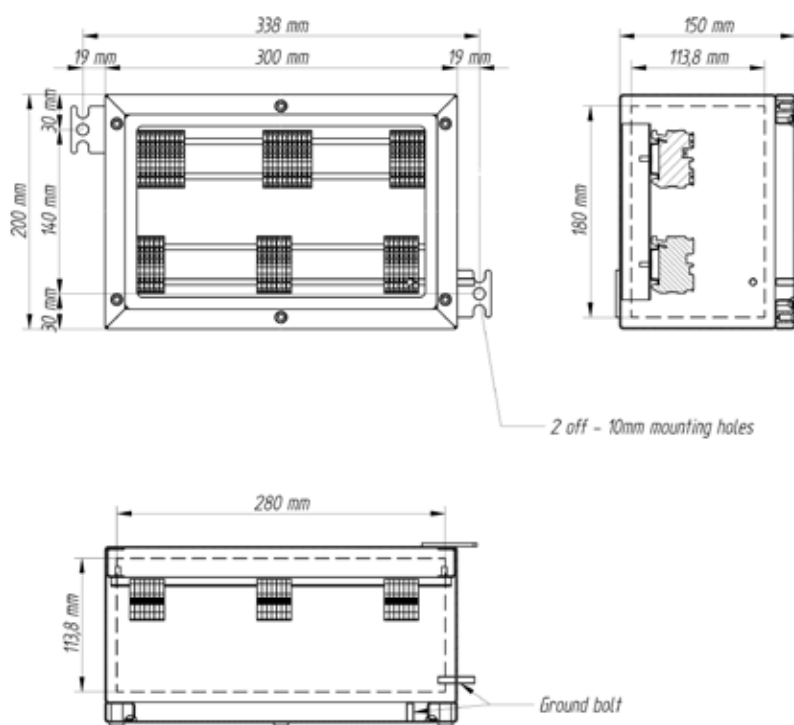
MAXIMUM NUMBER OF INPUTS PER SIDE

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

TERMINAL & JUNCTION BOXES **TERBOX - GEOEX SERIES** IP66

MEASURES 300X200X150

TECHNICAL SPECIFICATIONS



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

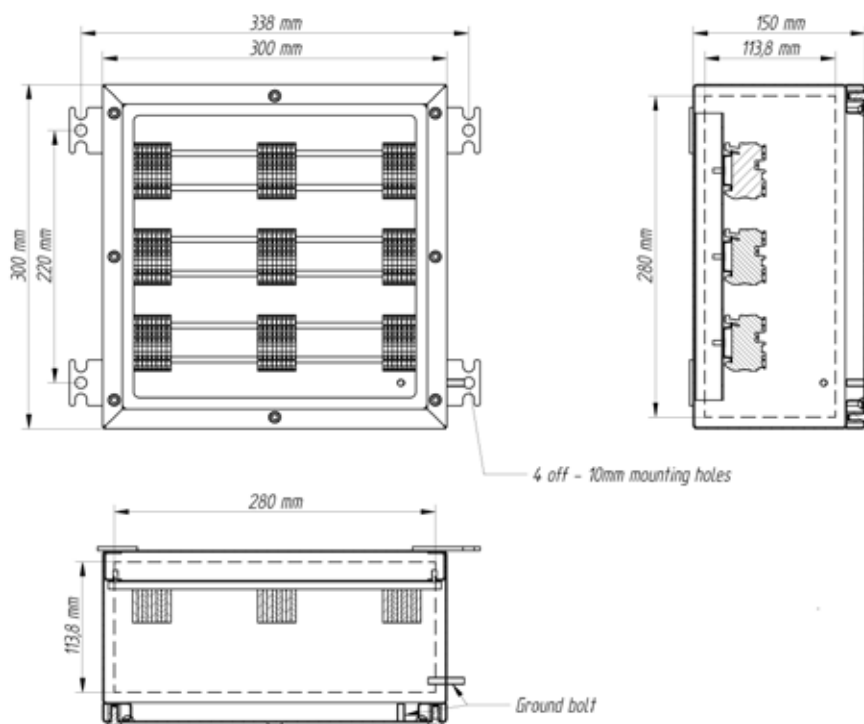
MAXIMUM NUMBER OF INPUTS PER SIDE

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

TERMINAL & JUNCTION BOXES **TERBOX - GEOEX SERIES** IP66

MEASURES 300X300X150

TECHNICAL SPECIFICATIONS



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

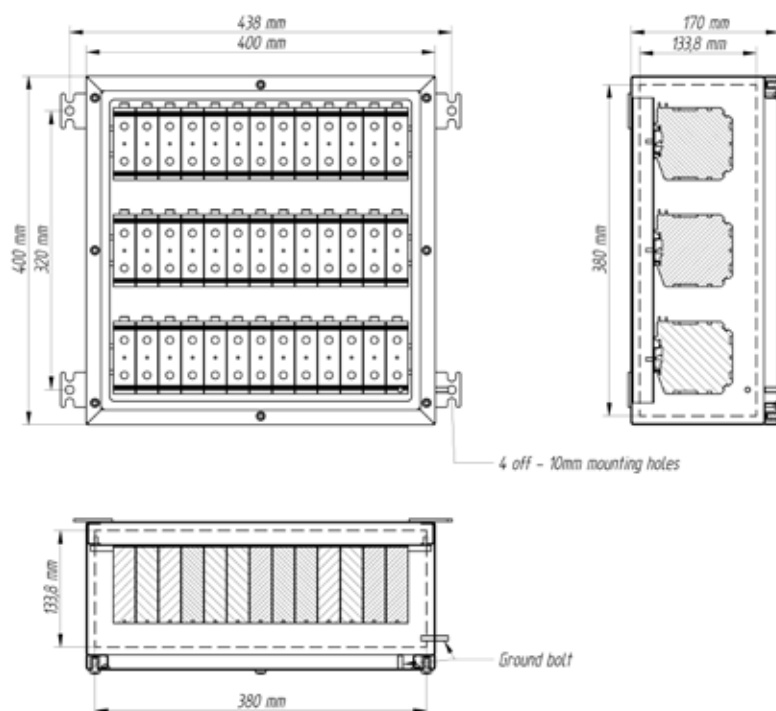
MAXIMUM NUMBER OF INPUTS PER SIDE

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

TERMINAL & JUNCTION BOXES **TERBOX - GEOEX SERIES** IP66

MEASURES 400X400X170

TECHNICAL SPECIFICATIONS



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

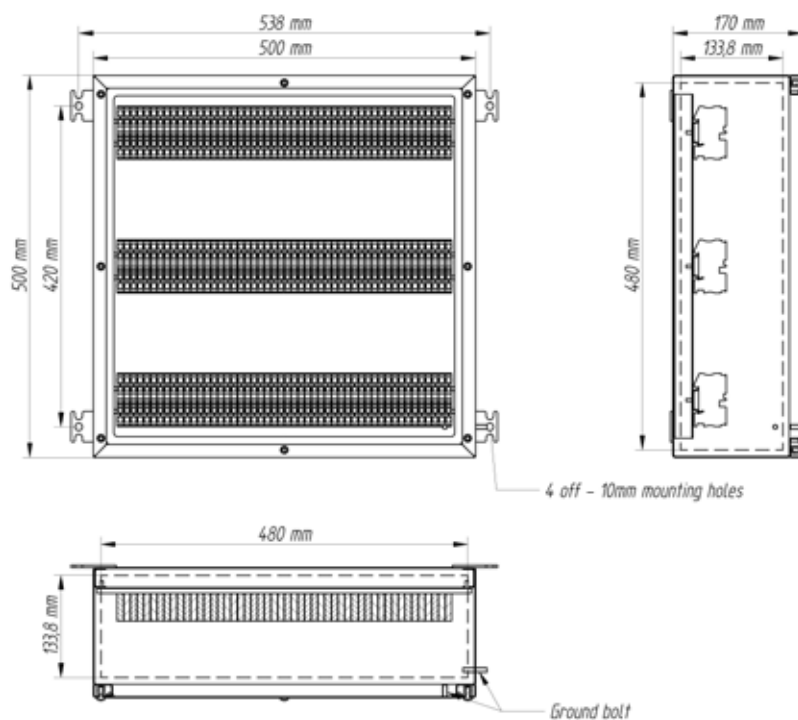
MAXIMUM NUMBER OF INPUTS PER SIDE

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

TERMINAL & JUNCTION BOXES **TERBOX - GEOEX SERIES** IP66

MEASURES 500X500X170

TECHNICAL SPECIFICATIONS



REFERENCES

MAXIMUM NUMBER TERMINALS				
REFERENCES	Section mm ²	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

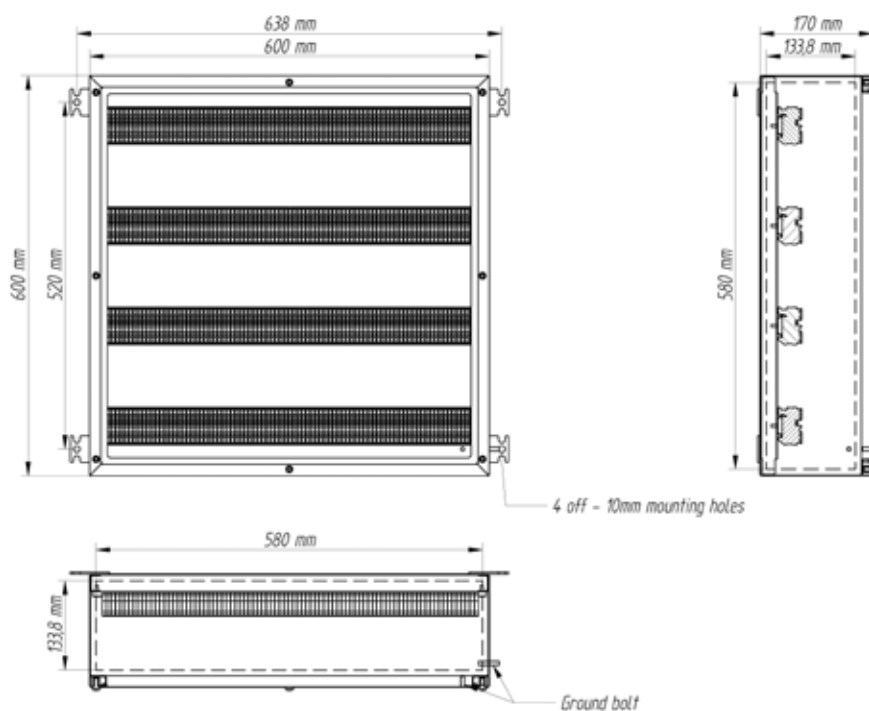
MAXIMUM NUMBER OF INPUTS PER SIDE

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

TERMINAL & JUNCTION BOXES **TERBOX - GEOEX SERIES** IP66

MEASURES 600X600X170

TECHNICAL SPECIFICATIONS



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

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



Zones I, 2, 21 and 22

HINGED TERMINAL & JUNCTION BOXES

TERBOX - LUXOREX SERIES IP66



Easy to Open

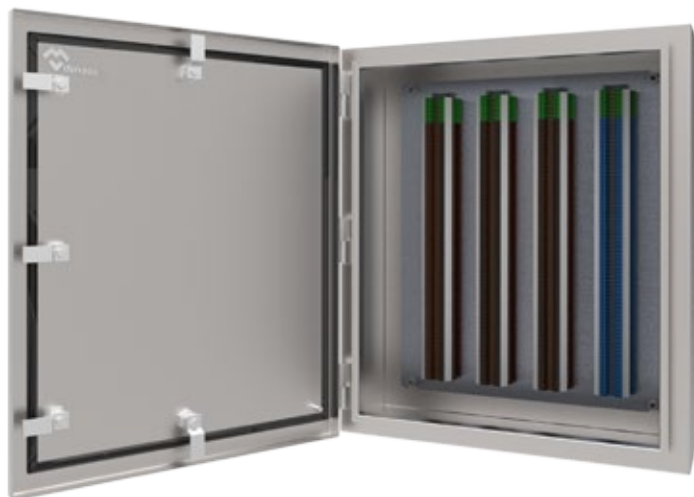
The terminal box with Terbox-Luxorex Series closures and hinges have been developed with a LOM I 4ATEX3026U component certificate, sturdy and IP66 sealing.

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

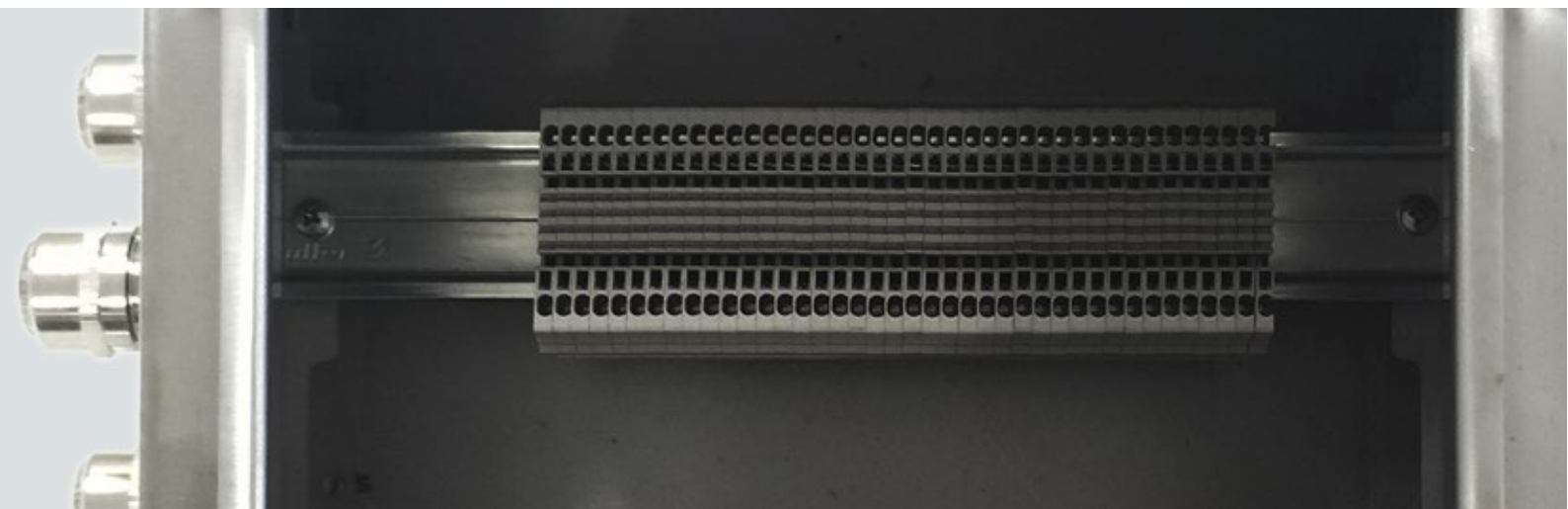
These boxes stand out for incorporating Atex & IECEx components already installed inside them, without needing to re-homologize in a laboratory once assembled.

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

Examples



➔ [FOR MORE INFORMATION CLICK HERE](#)

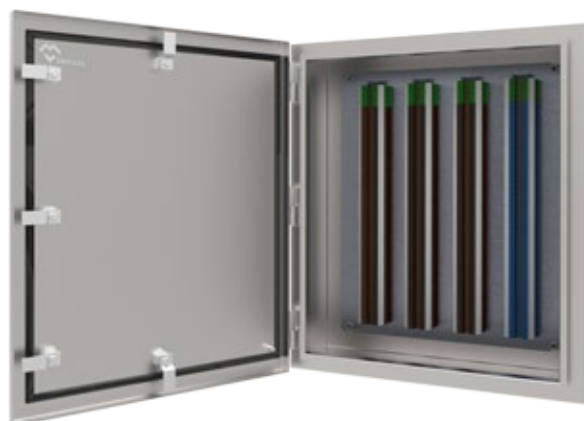


ADVANTAGES

- 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 1100V 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:

- $-25^{\circ}\text{C} \leq T_a \leq 60^{\circ}\text{C}$
- $-25^{\circ}\text{C} \leq T_a \leq 40^{\circ}\text{C}$ 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 $+60^{\circ}\text{C}$.

TERMINALS

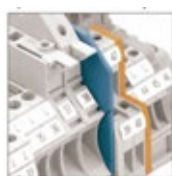
Weidmüller 

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



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



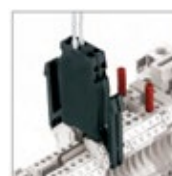
Fixation



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 I by request
- Certificate empty box terminal:
 - LOM I4ATEX3026U
- Certificate Terbox:
 - LOM I7ATEX1011
- Certificate quality:
 - LOM I4ATEX9050
- II 2G Ex eb IICT6/T5 Gb
- II 2D Ex tb IICT85°C/100°C Db
- IP66 protection
- Degree of resistance against impact IK10

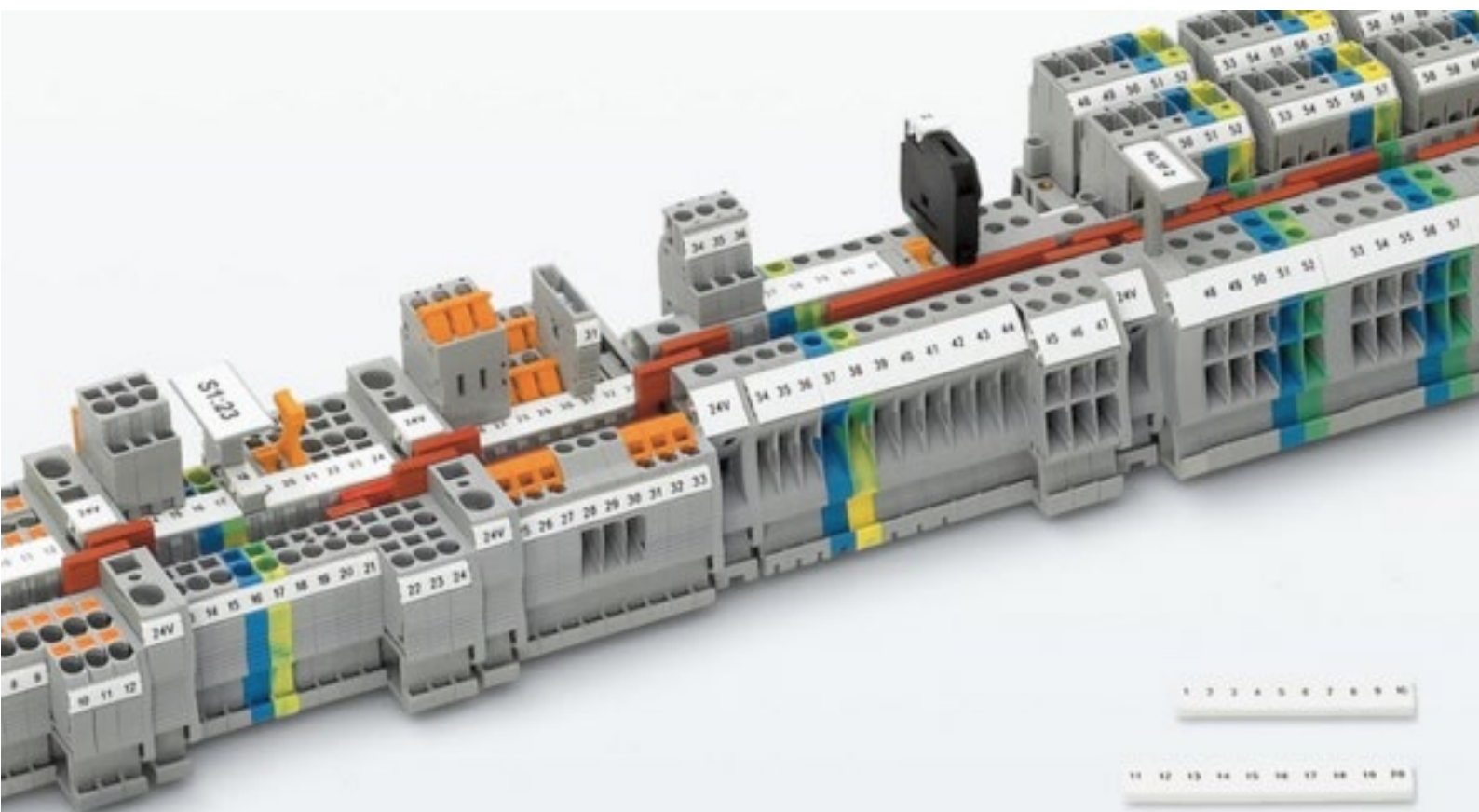
CERTIFICATION

Atex & IECEx directive and normative:

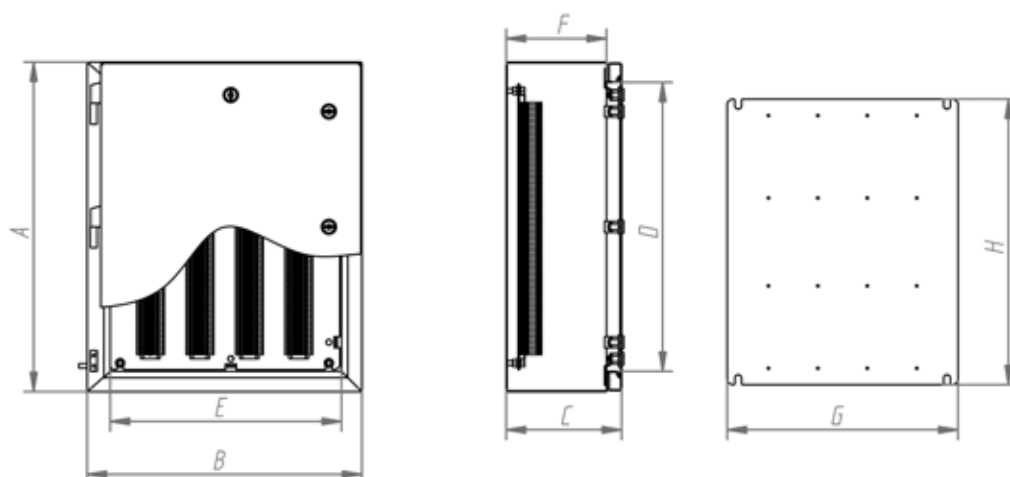
- Atex 2014/34/EU directive
- IP66 according to IEC Standard EN 62208 and EN 60529.
- IP (W) 66 corrosive environments.
- IEC 62208 and EN 62262. Degree of resistance against impact IK10.
- UNE-EN 60079-0:2011
- UNE-EN 60079-7:2007
- UNE-EN 60079-31:2014
- Operating temperature (ambience): -25° a ≤40°C.

NUMBER OF TERMINALS PER SIZE

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



BLUEPRINT AND DIMENSIONS



10
YEARS

STAINLESS
ANTICORROSIVE
GUARANTEE

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	113x34,5	270x97,5	220x120
LXCS383015EX	380	300		306	221,8		181	193x134,5	350x97,5
LXCS383021EX			210			350x152,5			
LXCS603815EX	600	380	155	526	301,8	126	413x214,5	570x97,5	520x300
LXCS603821EX			210	570x152,5					
LXCS404021EX	400	326		321,8	181	213x234,5	370x152,5	320x320	
LXCS504021EX	500	426				313x234,5	470x152,5	420x320	
LXCS505021EX		500		626		421,8		313x334,5	420x420
LXCS705021EX	700			513x334,5		670x152,5	620x420		
LXCS605021EX	600			413x334,5		570x152,5	520x420		
LXCS606021EX		600		413x434,5	570x242,5		520x520		
LXCS606030EX			600	521,8		271	613x434,5	770x242,5	720x520
LXCS806030EX	800	800	300	726	721,8	271	613x634,5	720x720	
LXCS808030EX				926			813x634,5	920x720	
LXCS108030EX	1000	1000	926	921,8			813x834,5	920x920	
LXCS101030EX									

Separation depth plate 20mm



Zones I, 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 I4ATEX3027U.

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 1100V 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:

- $-25^{\circ}\text{C} \leq T_a \leq 60^{\circ}\text{C}$
- $-25^{\circ}\text{C} \leq T_a \leq 40^{\circ}\text{C}$

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 $+60^{\circ}\text{C}$.
- Plugs, holes and hinges that resist from -25°C to $+60^{\circ}\text{C}$.



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.

HIGH CAPACITY TERMINAL BOXES **TERBOX - TRIBEX SERIES** IP66

TERMINALS

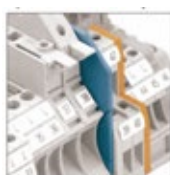
Weidmüller 

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



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



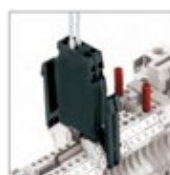
Fixation



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".

- Certificate empty box terminal:
 - LOM I4ATEX3027U
- Certificate Terbox:
 - LOM I7ATEX1012
- Certificate quality:
 - LOM I4ATEX9050
- II 2G Ex eb IICT6/T5 Gb
- II 2D Ex tb IICT85°C/100°C Db
- Protection degree Nema 4X, 12, 3r and I by request
- Degree of resistance against impact IK10
- IP66 protection

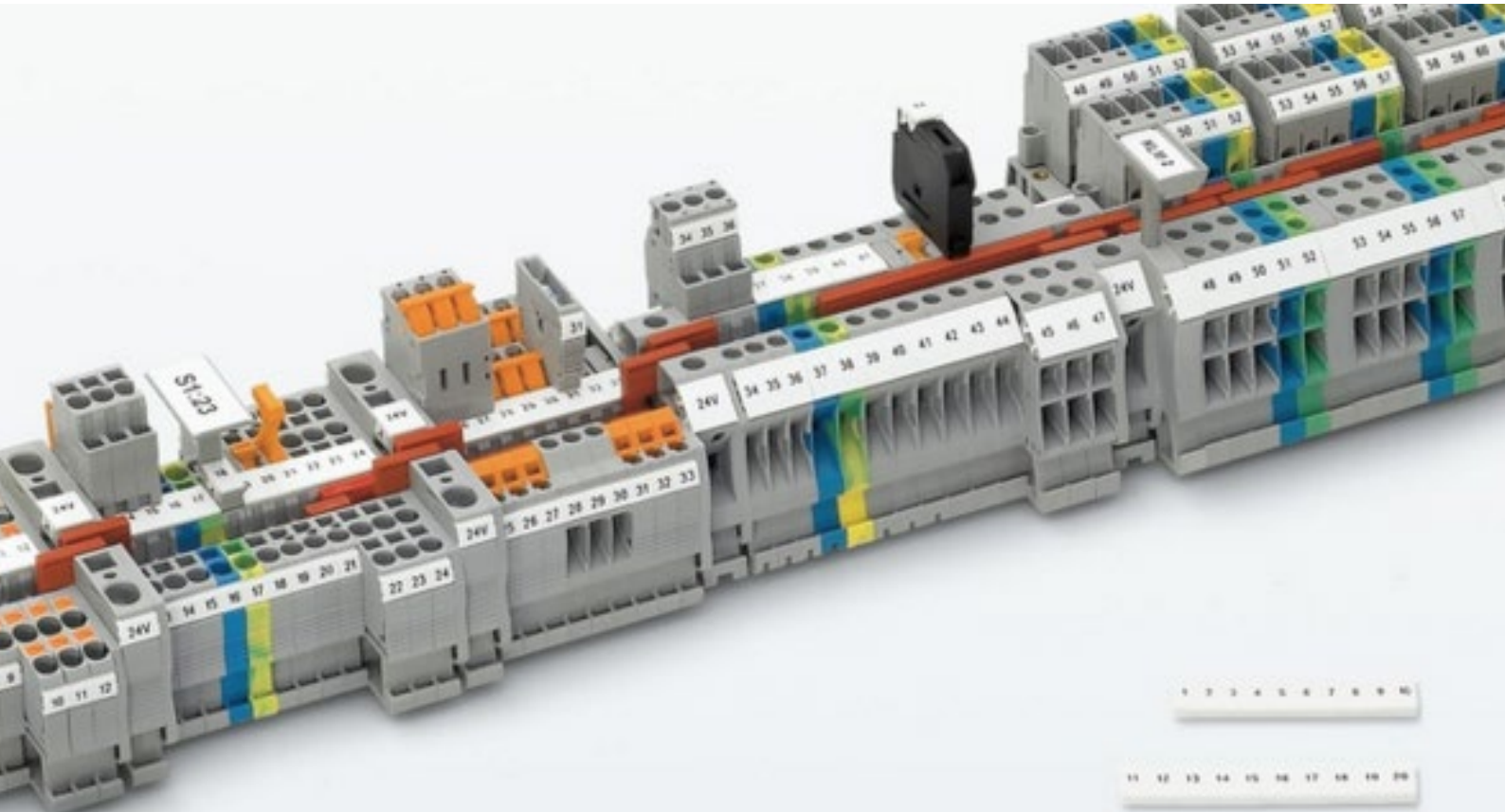
CERTIFICATION

Atex & IECEx directive and normative:

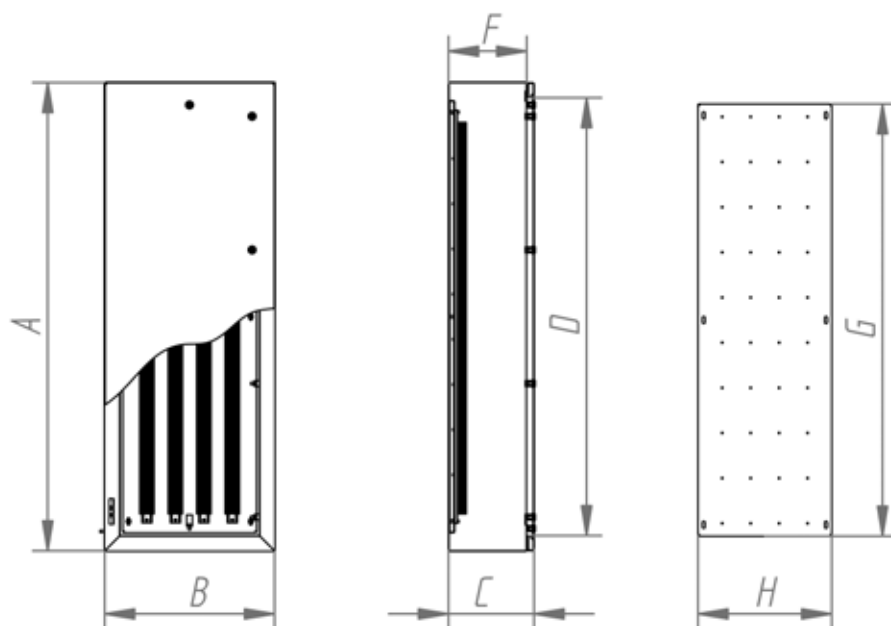
- Atex 2014/34/EU directive
- IP66 according to IEC Standard EN 62208 and EN 60529.
- IP (W) 66 corrosive environments.
- IEC 62208 and EN 62262. Degree of resistance against impact IK10.
- UNE-EN 60079-0:2011
- UNE-EN 60079-7:2007
- UNE-EN 60079-31:2014
- Operating temperature (ambience): -25° a ≤40°C.

NUMBER OF TERMINALS PER SIZE

REFERENCES	DIMENSIONS (mm)																											
TERBOX 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		800																										
TBCS121040EX		1000																										
TBCS166040EX	1650	600	400		1340	1080	920	700	560	460	348	100	100	100	70	60												
TBCS168040EX		800																										
TBCS161040EX		1000																										
TBCS186040EX	1800	600	400		1550	1260	1040	800	640	520	400	120	120	120	88	70												
TBCS188040EX		800																										
TBCS188050EX		1000															500											
TBCS181040EX																	400											
TBCS181050EX	2000	800	500		1550	1260	1040	800	640	520	400	120	120	120	88	70												
TBCS206040EX			400																									
TBCS208040EX			400																									
TBCS208050EX		1000	500														1550	1260	1040	800	640	520	400	120	120	120	88	70
TBCS208010EX			1000																									
TBCS201040EX			400																									
TBCS201060EX			600																									
TBCS201010EX	1000																											



BLUEPRINT AND DIMENSIONS



10
YEARS

STAINLESS
ANTICORROSIVE
GUARANTEE

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 MEASUREMENTS GxH
TBCS126040EX	1200	600	400	1116	546	370	340	1140x470
TBCS128040EX		800			746			1140x670
TBCS121040EX		1000			946			1140x870
TBCS166040EX	1650	600		1566	546			1590x470
TBCS168040EX		800			746			1590x670
TBCS161040EX		1000			946			1590x870
TBCS186040EX	1800	600		1716	546	470	440	1740x470
TBCS188040EX		800			746			1740x670
TBCS188050EX		1000	500		946			1740x870
TBCS181040EX		800	400		546	370	340	1940x470
TBCS181050EX		1000	500		746			
TBCS206040EX		600	400		946			
TBCS208040EX	2000	800	500	1916	546	470	440	1940x670
TBCS208050EX		1000	600		746	570	540	
TBCS201040EX		600	400		946	970	940	
TBCS201060EX		800	500		546	470	440	1940x870
TBCS201010EX		1000	600		746	570	540	
TBCS201010EX		1000	1000		946	970	940	

Separation depth plate 20mm



CABLE ENTRY COVER

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.

CUSTOM
MANUFACTURE

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

Cable entry cover, Luxorex, Tribex and Geoex models



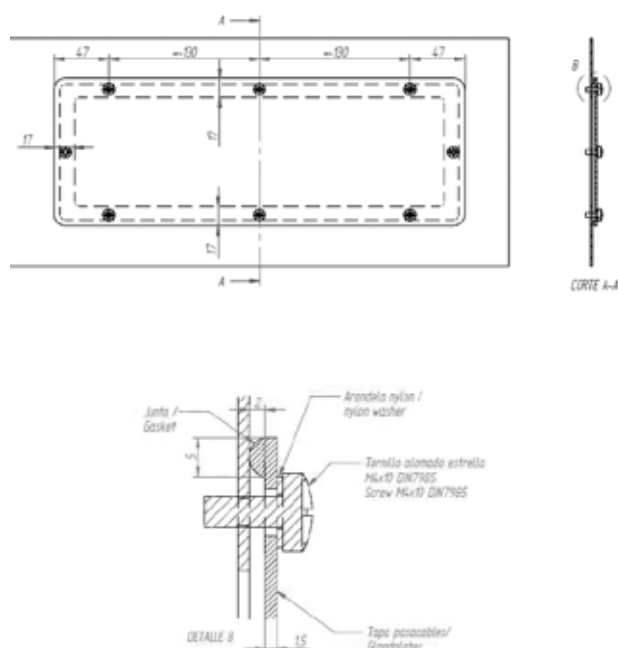
CHARACTERISTICS

 MADE
TO MEASURE

- 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



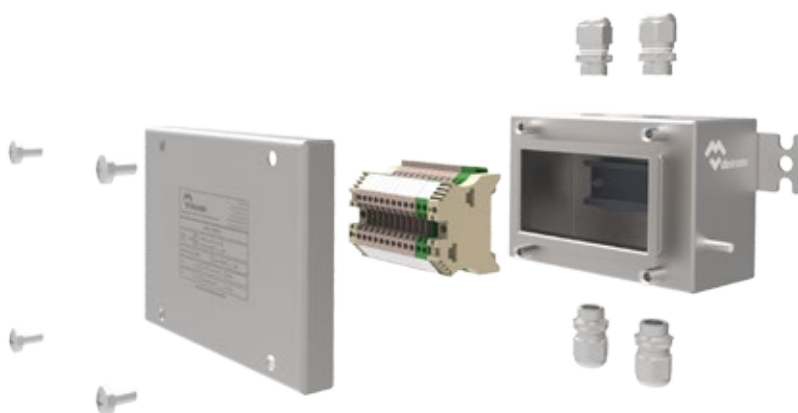
REFERENCES

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

Intermediate measures allowed


Zones 1, 2, 21 and 22

PRE-ASSEMBLED STAINLESS STEEL TERMINAL BOX **TERBOX SERIES** IP66



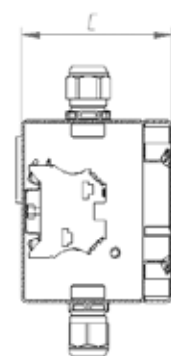
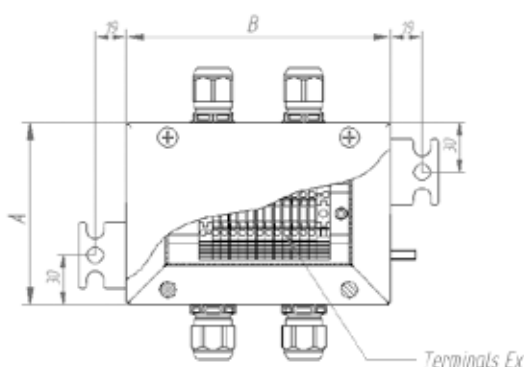
The terminal box or Atex Terbox are pre-assembled with 12 terminals (10 terminals 2,5mm, plus two ground terminals) installed on numbered DIN rail, with 4 cable glands to choose from. Atex & IECEx certified and ready for use in explosive atmospheres zones 1, 2, 21 and 22, are robust and anti-corrosive.

CHARACTERISTICS

- Pre-assembled Atex boxes made of stainless steel AISI 304L or AISI 316L.
- Installed terminals from Weidmüller brand.
- 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).

NORMATIVE

- Terbox Certified:
 - LOM 14ATEX2082
- II 2G Ex eb IICT6/T5 Gb
- II 2D Ex tb IIIC T85°C/100°C Db
- Degree of resistance against impact IK10
- IP66 protection
- Working temperature (ambient): -25° a +60°C.



REFERENCE	DIMENSIONS (mm)						
IP66 TERBOX STAINLESS STEEL TERMINAL BOX	MEASUREMENTS (mm)			N° OF TERMINALS		CABLE GLANDS	
	HEIGHT -A-	WIDTH -B-	DEPTH -C-	CLAMPS	GROUND	UNIT	METRIC
GEOTBI11690EX.001	110	160	90	10	2	4	M20

DELVALLE OFFERS OTHER SOLUTIONS ATEX & IECEx

➔ [CLICK HERE AND DISCOVER ALL SOLUTIONS](#)

ATEX TERMINAL BOXES TERBOX SERIES



EX LOCAL CONTROL & DISTRIBUTION BOXES CONTREX SERIES



PLUG AND SOCKET BOXES CONNEX SERIES



FLAMEPROOF CONNECTION BOXES EJB SERIES



EX LIGHTING FIXTURE ATEX



PRESSURIZED ENCLOSURE EX P PEPPEX SERIES



DELVALLE OFFERS OTHER SOLUTIONS ATEX & IECEx

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EX CABLE GLANDS ATEX & IECEx



MOTOR AND SWITCH MACHINES ATEX & IECEx



EX PUSH BUTTON STATION CONTREX SERIES



INDUSTRIAL WORKSTATIONS & HMI'S ATEX



EX 19" RACK ATEX

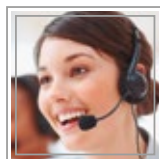


HAZARDOUS WIRELESS & ANTENNA SYSTEMS ATEX





/ FLEXIBLE ATEX & IECEx SOLUTIONS



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