



CHARACTERISTICS

Enclosure manufactured from sheet steel supplied without cable entry and with mounting plate manufactured from sendzimir sheet steel. External anti-rotation and anti-slip stud M6 (H=15mm) copper-plated steel, welded on the enclosure.

SUPPLY

Enclosure complete with:

- mounting plate.
- door with door with locking system (box and insert in zinc alloy, lever in stainless steel) with Ø 3mm double bar key and two-component silicone foam seal
- package with screws for earth connection and mounting plate.

PAINT FINISH

ETA standard finishing cycle: paint-based primer with deposition by cataphoresis with epoxy resin and finishing using thermosetting powders. Colour: RAL 7035 textured finish.



For wall mounting,
order brackets
SDWC-010



The requirements of the enclosures that are intended to be used in explosive atmosphere (ATEX) are high: the wide range of ETA boxes fully responds to both the standard required by the directive and the need of the market to have a product for increased safety and with enclosure against dust and gas.

ETA wall-mounting boxes ...EE are in compliance with the European Directive 2014/34/UE that aims to ensure the free circulation in the EU countries for the products concerned and it is applied to the equipment and protective systems indeed to be used in potentially explosive atmosphere (AtEx), for the presence of flammable substances in the form of gases, vapours, mists or dusts.

According to the reference standards EN IEC60079-0; EN60079-7 and EN60079-31 boxes are "electric enclosures" classified for category II and zones 1, 2, 21, 22 for gas and dust (GD) with protection method EX, eb, tb.

Protection methods EX, eb, tb, are based on the idea of prevention; to comply with that the directive establishes a high structural level and restrictive features of equipments and components, and strict periodic tests of process on the approved products IEC 80079-34 and ISO 9001.

Stainless Steel

PROTECTION RATING

- IP65 complying with EN60529 for **ST** and **ECOR**
- IP66 complying with EN60529 for **EC**
- NEMA 4 (ST...EE), Nema 4X (E COR...EEX) complying with UL508A; UL50
- protection degree guaranteed by the two-component polyurethane foam seal
- impact resistance IK10 complying with EN62262;

CONFORMITY

- According to certification **IMQ 09 ATEX 037 U** ATEX classification for increased safety and via enclosures
II2G Ex eb IIC Gb
II2D Ex tb IIIC Db

SERVICE TEMPERATURE

- T min = -20°C; T max = +80°C for **ST** and **ECOR** rangers
- T min = -60°C; T max = +130°C for **EC** range

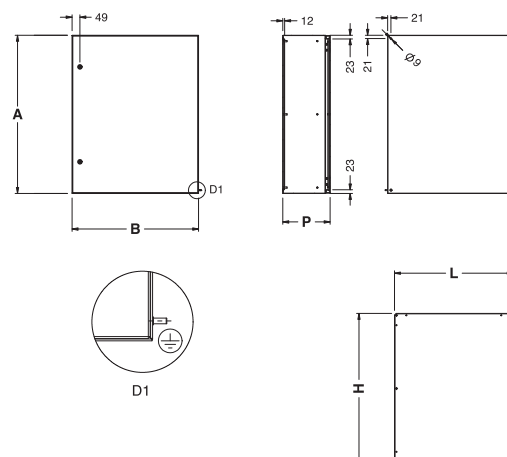
ST ECOR EC ATEX

ZONE	SAFETY (ATEX)	ENVIROMENT	MATERIAL OF ENCLOSURE	SUGGESTED ETA RANGE
1, 21	eb (increased)	Industrial	Mild Steel	ST...EE
2, 22	tb (protection by enclosure)	Harsh	Stainless Steel	ECOR...EEX

PRODUCT CODE IDENTIFICATION

PRODUCT RANGE	DIMENSIONS (VxHxD)	MILD STEEL VERSION	STAINLESS STEEL* VERSION
ST	2315	EE	/
ECOR	2-315	/	EEX / EEXH
EC	025315	EE	EEX / EEXH

*X= Stainless Steel 304 L - XH= Stainless Steel 316 L





CHARACTERISTICS

Structure and door with formed corners manufactured from pre-satinized AISI304L stainless steel sheet (AISI316L on request). Flat mounting plate manufactured from sendzimir sheet steel, with slots in the corners. Hinges in stainless steel. External anti-rotation and anti-slip stud M6 (H=15mm) in AISI304L stainless steel, welded on the enclosure.

SUPPLY

Enclosure complete with:

- mounting plate
- door with locking system (box and insert in zinc alloy, lever in stainless steel) with Ø 3mm double bar key, and two-component silicone foam seal
- package with screws for earth connection and mounting plate.

For wall mounting,
order brackets
SDWCX-010



CUSTODIE ELETTRICHE

MILD STEEL		STAINLESS STEEL AISI 304L		BOX DIMENSIONS			MOUNT. PLATE DIM.		NO.OF LOCKS/ROD SYSTEM
COD. FINO AL 31/05/2022	COD. DAL 01/06/2022	COD. FINO AL 31/05/2022	COD. DAL 01/06/2022	B	A	P	L	H	
ST2315EE	EC025315EE	ECOR2-315EEX	EC025315EEX	200	300	150	150	250	1
ST3315EE	EC030315EE	ECOR3-315EEX	EC030315EEX	300	300	150	250	250	1
ST3415EE	EC030415EE	ECOR3-415EEX	EC030415EEX	300	400	150	250	350	1
ST3420EE	EC030420EE	ECOR3-420EEX	EC030420EEX	300	400	200	250	350	1
ST3515EE	EC030515EE	N.A.	N.A.	300	500	150	250	450	1
ST3520EE	EC030520EE	N.A.	N.A.	300	500	200	250	450	1
ST4315EE	EC040315EE	ECOR4-315EEX	EC040315EEX	400	300	150	350	250	1
ST4320EE	EC040320EE	N.A.	N.A.	400	300	200	350	250	1
ST4420EE	EC040420EE	ECOR4-420EEX	EC040420EEX	400	400	200	350	350	1
N.A.	N.A.	ECOR4-425EEX	EC040425EEX	400	400	250	350	350	1
ST4515EE	EC040515EE	N.A.	N.A.	400	500	150	350	450	1
ST4520EE	EC040520EE	ECOR4-520EEX	EC040520EEX	400	500	200	350	450	1
ST4525EE	EC040525EE	N.A.	N.A.	400	500	250	350	450	1
ST4620EE	EC040620EE	ECOR4-620EEX	EC040620EEX	400	600	200	350	550	2
ST4625EE	EC040625EE	ECOR4-625EEX	EC040625EEX	400	600	250	350	550	2
ST4640EE	EC040640EE	N.A.	N.A.	400	600	400	350	550	2
ST5520EE	EC050520EE	ECOR5-520EEX	EC050520EEX	500	500	200	450	450	1
N.A.	N.A.	ECOR5-525EEX	EC050525EEX	500	500	250	450	450	1
ST5720EE	EC050720EE	ECOR5-720EEX	EC050720EEX	500	700	200	450	650	2
ST5725EE	EC050725EE	ECOR5-725EEX	EC050725EEX	500	700	250	450	650	2
ST6420EE	EC060420EE	ECOR6-420EEX	EC060420EEX	600	400	200	550	350	1
ST6430EE	EC060430EE	N.A.	N.A.	600	400	300	550	350	1
ST6620EE	EC060620EE	ECOR6-620EEX	EC060620EEX	600	600	200	550	550	2
N.A.	N.A.	ECOR6-625EEX	EC060625EEX	600	600	250	550	550	2
ST6630EE	EC060630EE	ECOR6-630EEX	EC060630EEX	600	600	300	550	550	2
ST6640EE	EC060640EE	N.A.	N.A.	600	600	400	550	550	2
ST6820EE	EC060820EE	ECOR6-820EEX	EC060820EEX	600	800	200	550	750	2
ST6825EE	EC060825EE	ECOR6-825EEX	EC060825EEX	600	800	250	550	750	2
ST6830EE	EC060830EE	ECOR6-830EEX	EC060830EEX	600	800	300	550	750	2
ST6840EE	EC060840EE	N.A.	N.A.	600	800	400	550	750	2
ST61025EE	EC061025EE	N.A.	N.A.	600	1000	250	550	950	2
ST61030EE	EC061030EE	N.A.	N.A.	600	1000	300	550	950	2
ST61040EE	EC061040EE	N.A.	N.A.	600	1000	400	550	950	2
ST8830EE	EC080830EE	ECOR8-830EEX	EC080830EEX	800	800	300	750	750	2
ST8840EE	EC080840EE	N.A.	N.A.	800	800	400	750	750	2
ST81030EE	EC081030EE	ECOR8-1030EEX	EC081030EEX	800	1000	300	750	950	2
ST81040EE	EC081040EE	N.A.	N.A.	800	1000	400	750	950	2
ST61230EE	EC061230EE	ECOR6-1230EEX	EC061230EEX	600	1200	300	550	1150	ROD SYSTEM
ST81230EE	EC081230EE	ECOR8-1230EEX	EC081230EEX	800	1200	300	750	1150	ROD SYSTEM

⚙ Add the "H" suffix to the code to order the AISI316L steel item (i.e.: until May 31, 2022: ECOR6-830EEXH - i.e. From June 1, 2022: EC060830EEXH). Available on request.

Stainless Steel