

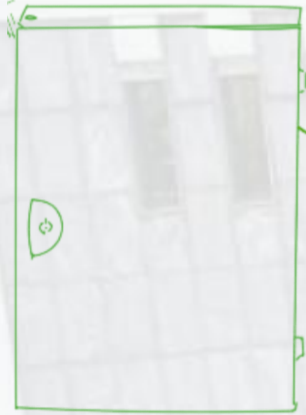


E GRAN JUNCTION BOXES

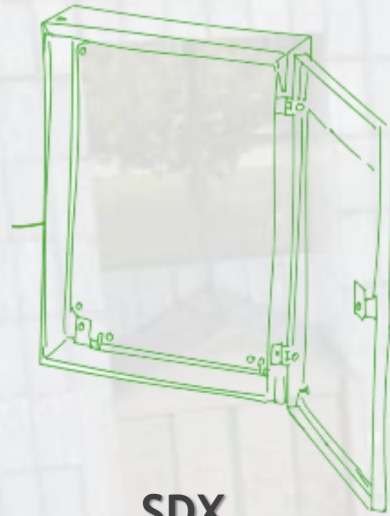
www.eta.it



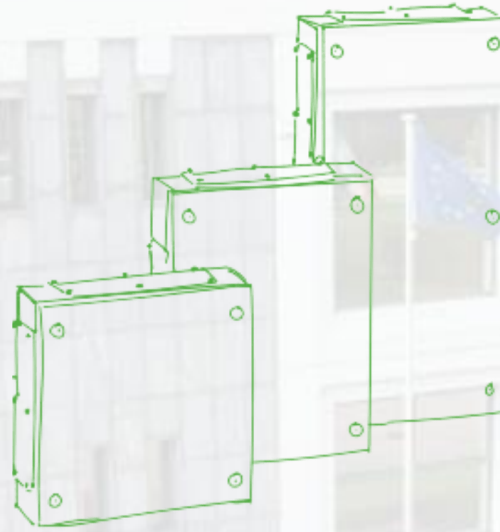
E GRAN, *A new derivation concept*



SD
The first ETA's junction box, manufactured from painted sheet steel



SDX
The first ETA's junction box, manufactured from stainless sheet steel



E GRAN STAINLESS STEEL
The old SDX range is replaced



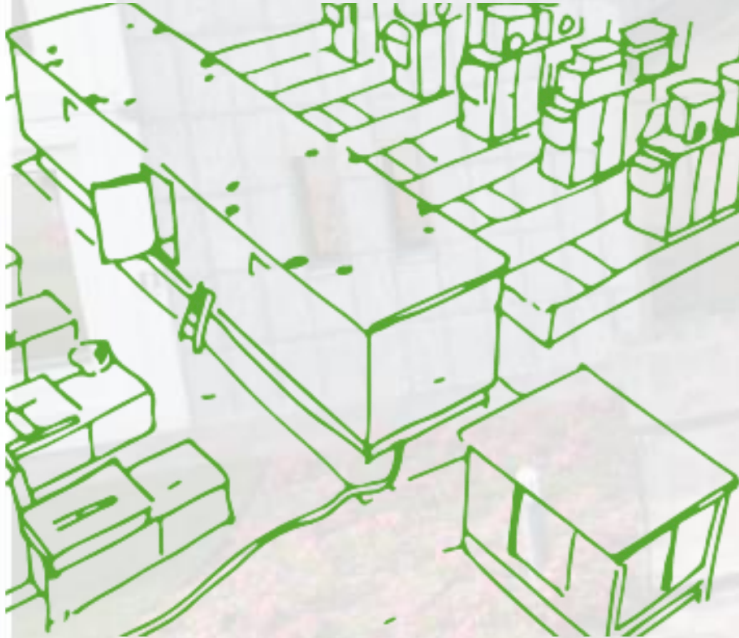
E GRAN SHEET STEEL
The old SD range is replace

BUSINESS SECTORS

AUTOMOTIVE



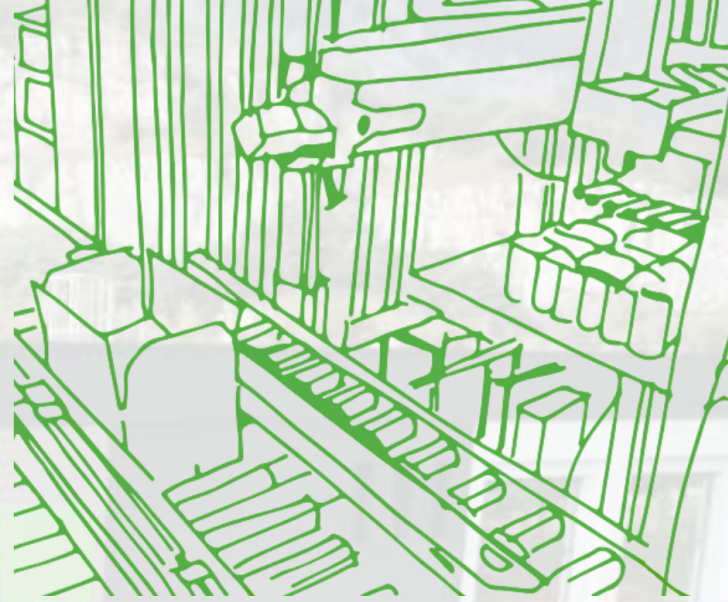
**ENERGY
MANAGEMENT**



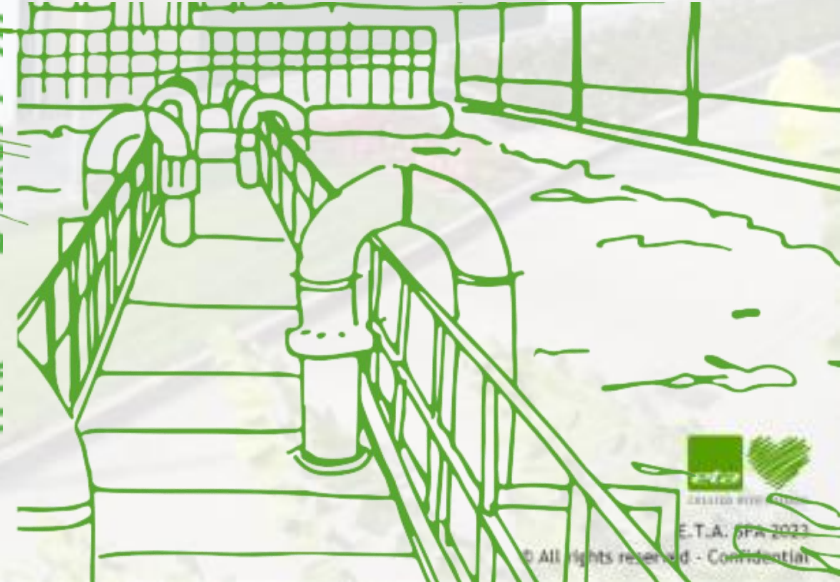
**HANDLING &
LOGISTICS**



PACKAGING



**WATER &
WASTEWATER**



© E.T.A. S.p.A. 2022

© All rights reserved - Confidential

PLUS & BENEFITS

Cable gland flanges (in the .F version) that facilitate cable entry and exit

Enclosure's caps: guarantee a better visual uniformity with ETA's enclosures range and guarantee the IP protection degree

Internal profiles welded on the structure

Two component polyurethane foam seal, that guarantee the IP protection degree

- Panel with **formed corners:** greater sturdiness to the entire structure
- **Lengthening** of the fold edge of the panel, which improve the IP protection degree

ETA standard painting process, RAL 7035 textured finish

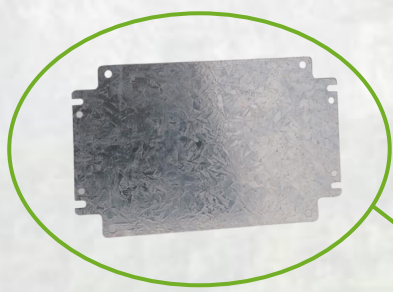
Equipotentiality between panel and enclosure that simplify the earthing system between the two

Closing system with ¼ turn **anti-removal screws** taken from E GRAN stainless steel range

**Other accessories available*

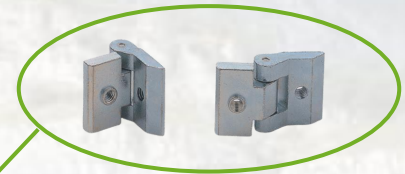


PLUS & BENEFITS



Mounting plate (in the .P version), optimized with greater surface area and space for wiring

Single blank door with **formed corners**: greater sturdiness to the entire structure



New **hinges** design, which allows assembly without drilling the panel and is more performing

No holes on the enclosure: greater sealing of the IP rating

Complete ETA's box closing system, RAL 5020

Two component polyurethane foam seal, that guarantee the IP protection degree

ETA standard painting process, RAL 7035 textured finish

**Altri accessori disponibili*

ACCESSORIES		
INTERNAL OR PROFILE DRAW	INTERNAL MOUNTING PLATE ECGA	HINGES ECGE001
<ul style="list-style-type: none">Profile, manufactured from profiled stainless steel sheet, to be mounted on the external profile inside E-CRAN boxes.To be ordered separately for the other versions of E-CRAN boxes.	<ul style="list-style-type: none">Internal mounting plate, manufactured from stainless steel sheet, optimized to have more space for wiring.Included in the supply of the E-CRAN P boxes with door.To be ordered separately for the other versions of E-CRAN boxes.	<ul style="list-style-type: none">Hinges for 180° E-CRAN enclosure's opening, manufactured from stainless steel sheet, which allows the panel to be inserted without drilling.Included in the supply of the E-CRAN P boxes with door.To be ordered separately for the other versions of E-CRAN boxes.
	INTERNAL OR PROFILE DRAW	WALL-MOUNTING KIT ECGF001
		<ul style="list-style-type: none">Wall-mounting kit, manufactured from galvanized sheet steel.To be ordered separately for all E-CRAN boxes versions.



E.T.A. SPA 2023

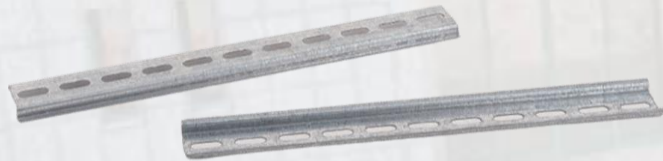
© All rights reserved - Confidential

MOUNTING PLATE EGPA



- Internal mounting plate manufactured from sendzimir sheet steel, optimized to have more wiring space
- Included in the supply of the E GRAN .P boxes with door
- To be ordered separately for the other versions of E GRAN boxes.

INTERNAL DIN PROFILE SDWA



- Profiles manufactured from profiled sendzimir sheet steel, to be mounted on the welded profiles inside E GRAN boxes.
- To be ordered separately for all E GRAN boxes versions.

HINGES EGCE001



- Hinges for 180° E GRAN enclosure's opening, manufactured from nickel-plated zamak, which allow the panel to be mounted without drilling.
- Included in the supply of the E GRAN .P boxes with door
- To be ordered separately for the other versions of E GRAN boxes.

WALL-MOUNTING KIT ECSF001



- Wall-mounting kit manufactured from galvanized sheet steel
- To be ordered separately for all E GRAN boxes versions.

E GRAN .A JUNCTION BOX

With screwed panel



E GRAN .AV JUNCTION BOX
With screwed plexiglass panel

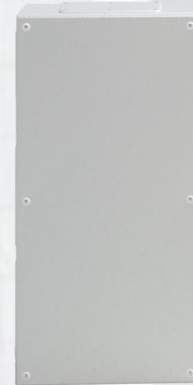


E GRAN .P JUNCTION BOX

With single blank door



E GRAN .F JUNCTION BOX
With cable gland flanges



E GRAN .Z JUNCTION BOX
With screwed panel, EMC version



ETA	E GRAN PRODUCT RANGE	WIDTH	HEIGHT	DEPTH	VERSION
E	G	02	02	08	.A
		01= 150 mm 02= 200 mm 03= 300 mm 04= 400 mm 05= 500 mm 06= 600 mm 08= 800 mm	01= 150 mm 02= 200 mm 03= 300 mm 04= 400 mm 05= 500 mm	08= 80 mm 12= 120 mm	.A= with screwed panel .F= with cable gland flanges .P= with blank door .AV= with screwed plexiglass panel .Z= with screwed panel, EMC version

Our range of E GRAN junction boxes:

- E GRAN .A, with screwed panel;
- E GRAN .P, with blank door;
- E GRAN .F, with cable gland flanges;
- E GRAN .AV, with screwed plexiglass panel.

Are certified as follow:



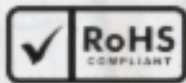
The CE mark certifies that the product complies with the requirements established by the European Union in terms of safety, health and environmental protection.



The UKCA (UK Conformity Assessment) is the new UK product mark that is required for the export of products to the market of England, Wales and Scotland



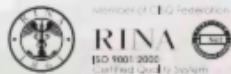
EAC (EurAsian Community) is a certificate of conformity for Eurasia.



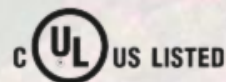
RoHS (European Directive 2011/65/EC) regulates the limitation to very low values of lead, mercury, cadmium, hexavalent chromium and other substances in the production of most of the electrical and electronic equipment marketed within the European Union.



TUV (Technical Control Association) is the IP certification.



RINA is a mandatory certification in the case of products that must be installed in marine environments.



Electrical safety certification for the American and Canadian market.



IP PROTECTION DEGREE (EN60529 / DIN 40050-9)

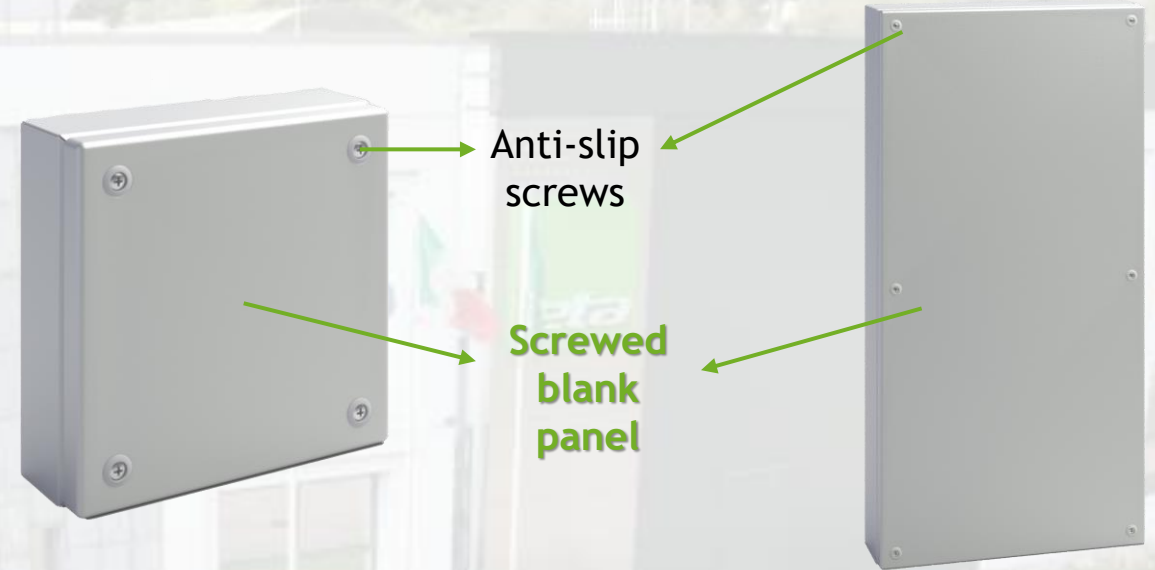
The IP protection degree is guaranteed by the two-component polyurethane foam gasket and is essentially defined by two characteristic numbers:

IP 1ST DIGIT = SOLID		IP 2ND DIGIT = LIQUID	
0	No protection	0	No protection
1	Protection against solid bodies above 50mm	1	Protection against vertically falling water drops
2	Protection against solid bodies above 12mm	2	Protection against water drops falling with up to 15° inclination
3	Protection against solid bodies above 2,5mm	3	Protection against water drops falling with up to 60° inclination
4	Protection against solid bodies above 1mm	4	Protection against water splashes from all directions
5	Protection against dust	5	Protection against jets of water from all directions
6	Total tightness to dust	6	Protection against water splashes similar to sea waves
		7	Protection against immersion
		8	Protection against submersion

JUNCTION BOX TYPE	PROTECTION DEGREE			DEGREE OF IMPACT RESISTANCE
	IP66	NEMA 4X <i>(complying with UL508A; UL50)</i>	NEMA 1 <i>(complying with UL508A; UL50)</i>	
E GRAN .A Screwed panel	X	X		X
E GRAN .P Blank door	X	X		X
E GRAN .F With cable gland flanges	X			X
E GRAN .AV Screwed plexiglass panel	X			X
E GRAN .Z Screwed panel, EMC version			X	

E GRAN .A - screwed panel

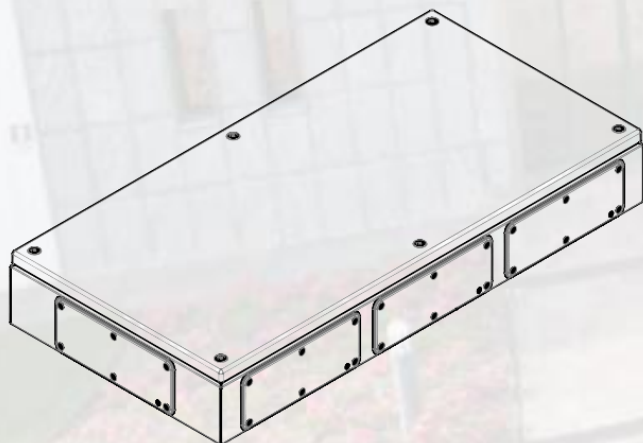
BOX CODE	DIMENSIONS		
	B	A	P
EG010108.A	150	150	80
EG020208.A	200	200	80
EG030108.A	300	150	80
EG030208.A	300	200	80
EG030308.A	300	300	80
EG040208.A	400	200	80
EG050208.A	500	200	80
EG060208.A	600	200	80
EG080208.A	800	200	80
EG010112.A	150	150	120
EG020112.A	200	150	120
EG020212.A	200	200	120
EG030112.A	300	150	120
EG030212.A	300	200	120
EG030312.A	300	300	120
EG040212.A	400	200	120
EG040312.A	400	300	120
EG040412.A	400	400	120
EG050212.A	500	200	120
EG050312.A	500	300	120
EG050412.A	500	400	120
EG060212.A	600	200	120
EG060312.A	600	300	120
EG060412.A	600	400	120
EG080212.A	800	200	120
EG080312.A	800	300	120
EG080412.A	800	400	120



**To be ordered separately: mounting plate EGPA, internal DIN profiles, EGCE hinges and wall mounting kit*

E GRAN .F - with cable gland flanges

Cable gland flanges edged and rubberized, manufactured from sheet steel and complete with gasket



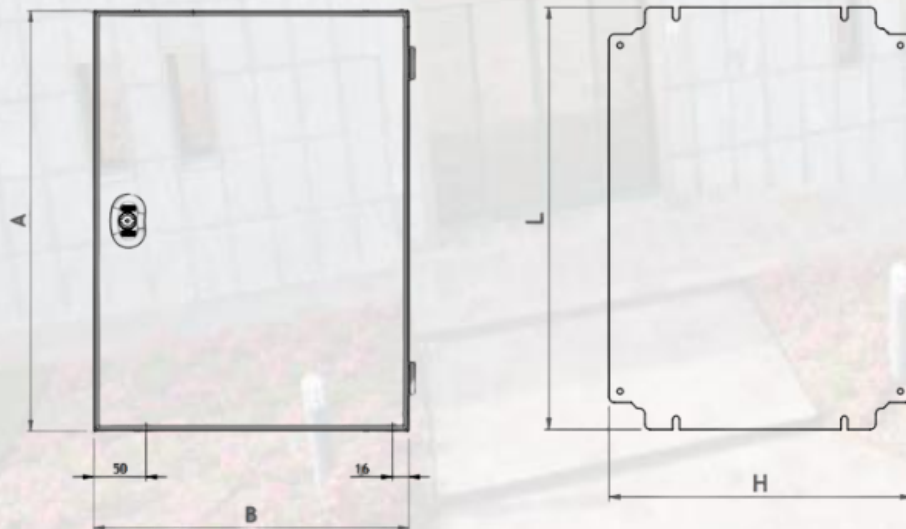
BOX CODE	DIMENSIONS			FLANGES		
	B	A	P	TOTAL NUMBER	SIDE B	SIDE A
EG030212.F	300	200	120	2	2	0
EG030312.F	300	300	120	4	2	2
EG040212.F	400	200	120	2	2	0
EG040312.F	400	300	120	4	2	2
EG040412.F	400	400	120	4	2	2
EG050212.F	500	200	120	4	4	0
EG050312.F	500	300	120	6	4	2
EG060212.F	600	200	120	4	4	0
EG060312.F	600	300	120	6	4	2
EG060412.F	600	400	120	6	4	2
EG080212.F	800	200	120	6	6	0
EG080412.F	800	400	120	8	6	2

**To be ordered separately: mounting plate EGPA, internal DIN profiles, EGCE hinges and wall mounting kit*

E GRAN .P - blank door

BOX CODE	DIMENSIONS			MOUNTING PLATE		
	B	A	P	CODE	L	H
EG020208.P	200	200	80	EGPA020020	176	170
EG020308.P	200	300	80	EGPA030020	276	170
EG020408.P	200	400	80	EGPA040020	376	170
EG020212.P	200	200	120	EGPA020020	176	170
EG020312.P	200	300	120	EGPA030020	276	170
EG020412.P	200	400	120	EGPA040020	376	170
EG020512.P	200	500	120	EGPA050020	476	170
EG030312.P	300	300	120	EGPA030030	276	270
EG030412.P	300	400	120	EGPA040030	376	270

**To be ordered separately: internal DIN profiles and wall mounting kit*



Internal mounting plate includes in the supply, manufactured from sendzimir sheet steel and optimized to have more wiring space



New **hinges** design, more performing, which allows assembly without drilling the panel

Complete ETA's box closing system, RAL 5020



E GRAN .AV - screwed plexiglass panel

Plexiglass screwed panel to simplify internal inspection



BOX CODE	DIMENSIONS		
	B	A	P
EG040212.AV	400	200	120
EG060212.AV	600	200	120
EG050312.AV	500	300	120

**To be ordered separately: mounting plate EGPA, internal DIN profiles, EGCE hinges and wall mounting kit*

BOX CODE	DIMENSIONS		
	B	A	P
EG010108.Z	150	150	80
EG020208.Z	200	200	80
EG030108.Z	300	150	80
EG030208.Z	300	200	80
EG030308.Z	300	300	80
EG040208.Z	400	200	80
EG050208.Z	500	200	80
EG060208.Z	600	200	80
EG080208.Z	800	200	80
EG010112.Z	150	150	120
EG020112.Z	200	150	120
EG020212.Z	200	200	120
EG030112.Z	300	150	120
EG030212.Z	300	200	120
EG030312.Z	300	300	120
EG040212.Z	400	200	120
EG040312.Z	400	300	120
EG040412.Z	400	400	120
EG050212.Z	500	200	120
EG050312.Z	500	300	120
EG050412.Z	500	400	120
EG060212.Z	600	200	120
EG060312.Z	600	300	120
EG060412.Z	600	400	120
EG080212.Z	800	200	120
EG080312.Z	800	300	120
EG080412.Z	800	400	120

EMC junction boxes developed to guarantee high protection of the internal components of the panel from external electromagnetic fields

Enclosure and screwed panel manufactured from sheet steel with **cold galvanization** and painted only externally



**To be ordered separately: mounting plate EGPA, internal DIN profiles, EGCE hinges and wall mounting kit*

2D and 3D drawings in our website reserved area (myETA)



→ Registration form at the following link:
<https://www.eta.it/sito/registrazione.php>

Price list

Brochure available on our website - **Catalogues** section

Product's code and technical datasheet available on our website-
Products section

ETA becomes more and more SOCIAL!

Follow us on our channels to always keep updated with our latest news!



Thank you!

www.eta.it



CREATED WITH PASSION



E.T.A. SPA 2023

© All rights reserved - Confidential