



innovative
enclosure solutions
for industrial & electronic
applications

GENERAL CATALOGUE

Release 21



EMC SOLUTIONS

The EC Directive on electromagnetic compatibility applies to equipment and units that can generate/ receive electromagnetic waves - and liable to cause interferences, altering the correct functioning of electronic equipment installed in the cabinets.

Our products, not being a source of electromagnetic waves, go beyond the dispositions of the Directive, but they can act as a barrier of the electromagnetic waves which propagate from the internal and external source: this allows a significant damping of the electromagnetic field strength (both the electric and the magnetic components of the field) and, as a consequence, of the disturbance that they cause to the equipment.

BENEFITS

Structural features	High protection
Constructive concepts and performing materials	Customer support to comply with the Directive
Variety of solutions, cabinets and boxes	Flexibility
Compliance to the industry standards	Safety

EMC



CHARACTERISTICS

The profile used for uprights and crosspieces is unique, manufactured from high-strength low-alloy sheet steel, closed with continuous welding and free of sharp edges. The bottom is a single piece with box type structure manufactured from press-bent welded profiles of high-strength low-alloy sheet steel. The frame corners are manufactured in a special steel with orthogonal joints laser welded to vertical upright rails and horizontal rails for the roof and bottom. Only 8 high-strength low-alloy screws are necessary to mount the structure, while two position pins allow the easy mounting of the two parts of the joint.

PAINT FINISH

- ETA standard epoxy polyester powder coating.
- door and rear panel (external): RAL 7035 textured finish
 - roof (external): RAL 5020 textured finish.

ASSEMBLED E NUX CABINET

- structure manufactured from high-strength low-alloy galvanized sheet steel
- door manufactured from sheet steel, galvanized on both sides and painted only externally, with stiffening frame, complete with \varnothing 3 mm lever-operated double bar locking system
- rear panel and removable roof galvanized on both sides and painted only externally
- bottom manufactured from high-strength low-alloy galvanized sheet steel, provided with a single galvanized base plate
- shielding and conductive gasket positioned on the structure and the bottom.

E NUX CABINET

ASSEMBLED CABINET CODE	DIMENSIONS		
	WIDTH	HEIGHT	DEPTH
ENUX062006PRZ	600	2000	600
ENUX082006PRZ	800	2000	600
ENUX062008PRZ	600	2000	800
ENUX082008PRZ	800	2000	800

Note: further dimensions available on request.

Note: for plexi door version, it is available on request a window manufactured from polycarbonate or methacrylate, with the internal part manufactured from a wire mesh that allows the vision of the internal instrumentation without altering significantly the offered shielding values.

EMC cabinets tested at the Nemko SpA laboratory. For more details, refer to the Technical section on page 327.

PROTECTION RATING

NEMA 1 complying with UL508, UL50.

SIDE PANELS EUFI

CHARACTERISTICS

Manufactured from sheet steel with folded sides, galvanized on both sides and painted only externally.

PAINT FINISH

ETA standard epoxy polyester powder coating.
Colour: RAL 7035 textured finish.

SUPPLY

- two side panels
- rapid fasten couplers
- mounting accessories.

Note: further dimensions are available upon request.



SIDE PANELS

EUFI CODE	DIMENSIONS	
	HEIGHT	DEPTH
EUFI060200EMC	2000	600
EUFI080200EMC	2000	800

EMC

JOINING KIT EUKU-002EMC

Used to join together E NUX EMC cabinets.

SUPPLY

Includes:

- 8 connection blocks
- conductive, shielding and adhesive gasket
- mounting accessories.



ST EMC BOXES

Enclosure and reversible door manufactured from 1.5 mm thick sheet steel. Flat mounting plate manufactured from 2.5 mm thick galvanized sheet steel.

SUPPLY

The box includes:

- galvanized enclosure, painted only externally
- galvanized mounting plate
- galvanized door, painted only externally, complete with locking system body in chromed zinc alloy and lever in stainless steel with \varnothing 3 mm double bar key
- conductive and shielding gasket
- set of screws for grounding and mounting plate assembling.

PAINT FINISH

ETA standard epoxy polyester powder coating.
Colour: RAL 7035 textured finish.

PROTECTION RATING

NEMA 1 complying with UL508; UL50.



ST BOXES

STE CODE	BOX DIMENSIONS		
	WIDTH	HEIGHT	DEPTH
STE4420	400	400	200
STE4620	400	600	200
STE6630	600	600	300



SD EMC TERMINAL BOXES

Enclosure and cover manufactured from 1.2 mm thick sheet steel.

SUPPLY

The box includes:

- galvanized enclosure, painted only externally
- galvanized cover, painted only externally, fixed with captive screws and provided with holes for the application of hinges
- conductive and shielding gasket
- set of screws for cover fixing.

PAINT FINISH

ETA standard epoxy polyester powder coating.
Colour: RAL 7035 textured finish.

PROTECTION RATING

NEMA 1 complying with UL508; UL50.



SD BOXES

SDVE CODE	BOX DIMENSIONS		
	WIDTH	HEIGHT	DEPTH
SDVE3312	300	300	120
SDVE5312	500	300	120



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in order to improve product manufacturing.

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