

EMC SOLUTIONS



The EC Directive 2004/108/CE on electromagnetic compatibility applies to equipment and units that can generate disturbance/interference or whose operation may be affected by disturbance/interference.

Increasing electromagnetic pollution requires to shield all electronic equipment installed in cabinets and panels.

The enclosures are not subject to EMC regulations, however ETA offers the following solutions upon request:

- Emc cabinets
- Emc boxes

CHARACTERISTICS/DELIVERY

- structure manufactured from galvanized sheet steel
- door manufactured from galvanized sheet steel painted only externally, with locking system
- rear panel and roof manufactured from galvanized sheet steel and painted only externally.

CONFORMITY AND APPROVAL



PROTECTION RATINGS

- IP 55
- NEMA 1 complying with UL508A; UL50.

ARETA EMC CABINET

EMC CABINET CODE	EMC LATERAL PANELS (2 PCS)	CABINET DIMENSIONS		
		L mm	A mm	P mm
ARETZ062006PR	ATFI060200EMC	600	2000	600
ARETZ082006PR	ATFI060200EMC	800	2000	600
ARETZ062008PR	ATFI080200EMC	600	2000	800
ARETZ082008PR	ATFI080200EMC	800	2000	800

Further dimensions available on request.

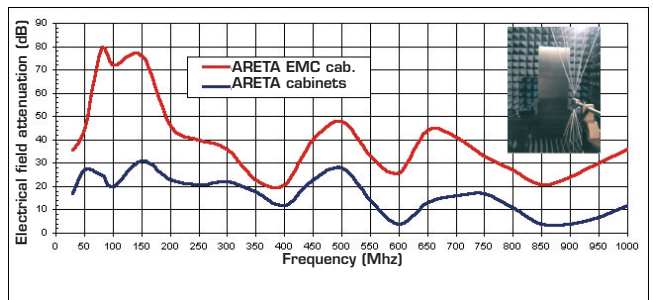
As per the chart next, considering the same frequency the electrical field attenuation is higher with Emc solutions.

ARETA STANDARD

Standard cabinets guarantee a good Emc shielding degree. Standard sendzimir mounting plate gives good electric conductivity in those parts in contact with the mounted equipment. It also guarantees a very quick and high electrostatics dissipation and improves Emc attenuation.

ARETA EMC

To achieve a high Emc shielding degree, the cabinet structure and all its components are manufactured from galvanized sheet steel; all the removable panels, in sendzimir sheet steel, are painted only externally. Conductive gaskets guarantee complete continuity with the structure, giving it the same IP protection degree.



Results obtained after testing the enclosures in the certified laboratory Nemko S.p.A.

On request: windows manufactured in polycarbonate or metacrylic with an inner metallic grid guaranteeing perfect monitor and display viewing, even high definition, without substantially altering the shielding value.



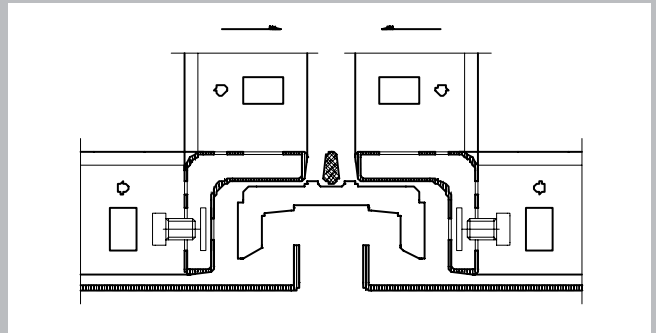
JOINING KIT ATKU-002 EMC

To be used to join two cabinets together. It is better to use lifting brackets WTSS - 001 instead of lifting eyebolts.

DELIVERY

Supply includes:

- joining spacers
- conductive gasket manufactured from a metal fabric coating, with an EPDM core and a bi-adhesive unwoven tissue, ensuring dielectric continuity and resistance
- fixing accessories.



ST BOXES EMC



CHARACTERISTICS/DELIVERY

Box complete with:

- galvanized mounting plate
- locking system in zinc alloy with stainless steel lever and double bar \varnothing 3mm key
- conductive gasket
- screws for mounting plate and earth connection

CONFORMITY AND APPROVAL



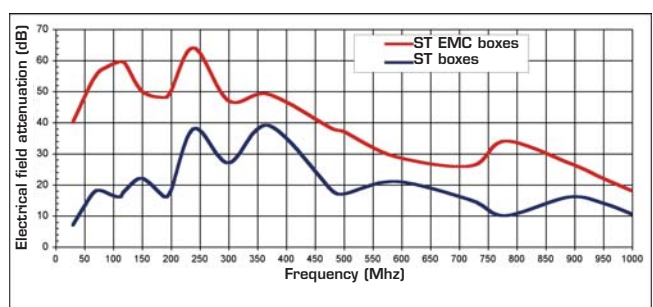
PROTECTION RATINGS

- IP 55
- NEMA 1 complying with UL508; UL50.

ST EMC BOXES

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

As per the chart next, considering the same frequency the electrical field attenuation is higher with Emc solutions. Box and door manufactured in sendzimir sheet steel are painted only externally. Continuity between the box structure and the door is guaranteed by the unpainted contact edge and by the conductive gasket which also assures IP protection degree.



Results obtained after testing the enclosures in the certified laboratory Nemko S.p.A.

SDV TERMINAL BOXES EMC

CHARACTERISTICS/DELIVERY

- Box complete with:
- conductive gasket
 - captive screws for lid fixing.

CONFORMITY AND APPROVAL



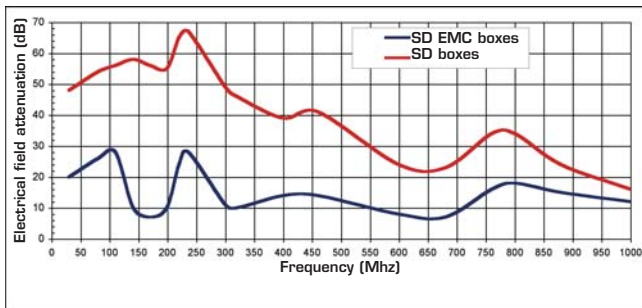
PROTECTION RATINGS

- IP 55
- NEMA 1 complying with UL508; UL50.



SD EMC BOXES

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



Results obtained after testing the enclosures in the certified laboratory Nemko S.p.A.