

RFI-EMI SHIELDING - ALUMINUM COATING



GEHÄUSE
SYSTEME

Process

The aluminum coating is applied in a high vacuum. The 99.98 % pure aluminum is vaporised within a short period of time and is deposited on the plastic surface. The thickness of the coating is approx. 2.5 µm. The aluminum coating is also characterised by good adhesion. To achieve an even better shielding effect, other coating thicknesses are available on request.

Note

RFI/EMI and plastic enclosures

The non-conducting material used for plastic enclosures, for example ABS, PC and PA, has advantages in voltage and contact protection compared with metal materials. It behaves like an insulator.

For devices that causes electromagnetic interference or whose operation is impaired by such interference, plastic enclosures without special measures offer only moderate protection.

Please keep in mind that the use of external accessories may influence the protection class, for example, and can cause corrosion. For this reason, we recommend consulting the supplier prior to using these external accessories.

Coating of other plastic materials on request.

