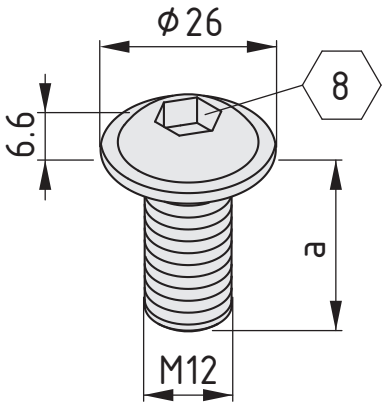




Article number: 0.0.659.51  
Article: Flat Mushroom Head Screw M12x50, bright zinc-plated



The above-mentioned product's suitability for use in ESD-protected areas (EPA) has been checked in line with the specifications of IEC/DIN EN 61340-5-1:2024 and it meets the relevant requirements.

Typical resistance values at the relevant ambient temperature (measurement voltage: 100 V=)

| Measurements <sup>1</sup> | Standard limit values | Test limit values <sup>2</sup> |
|---------------------------|-----------------------|--------------------------------|
| Ambient temperature       | 23°C ± 2°C            | 23°C ± 2°C                     |
| Leakage resistance        | < 1x10 <sup>9</sup> Ω | < 1x10 <sup>9</sup> Ω          |
| Surface resistance        | < 1x10 <sup>9</sup> Ω | < 1x10 <sup>9</sup> Ω          |
| Volume resistance         | < 1x10 <sup>9</sup> Ω | < 1x10 <sup>9</sup> Ω          |

<sup>1</sup> Depending on the range of functions and the geometrical dimensions, some measurements may not be relevant.

<sup>2</sup> Due to the local conditions, the relative humidity during all product tests was 10 - 65 percent.

Depending on the application, the entire solution requires additional resistance if the resistance measurement falls below 1x10<sup>4</sup> Ω.  
NB: To ensure safe use in ESD-sensitive environments, measurements must be taken on a regular basis to check that the entire solution in which the product is being used complies with the relevant values (to IEC/DIN EN 61340).

Solingen, 24.09.25

**item** Industrietechnik GmbH  
Friedenstr. 107-109 42699 Solingen  
Postfach 12 01 64 42676 Solingen  
Tel. 0212/6580-300