

# ESD



Sensitive electrical or electronic equipment, components and devices (ESD sensitive elements) may be damaged or destroyed by electrostatic discharges (ESD) in the immediate vicinity.

Electrostatic discharges can come from people or through handling ESD sensitive components (e.g. during production, assembly, transport, storage etc).

Electrically conductive products which conform to DIN EN 61340-5-1 – Protection of electronic devices from electrostatic phenomena – are essential within electronic environments to prevent an electrostatic discharge.

Our products are manufactured from a special, electrically conductive plastic and can therefore be used for ESD applications or in ESD protection areas (EPA) in accordance with DIN EN 61340-5-1.

These high-quality products are regularly tested by us to assess their electrical conductivity in accordance with DIN EN 61340-5-1.

The yellow ESD logo is printed on the side of the product to clearly identify it.



These ESD products can also be used for devices, components and protection systems in areas with high risk of explosion.

Use of these ESD products prevents the occurrence of electrostatic spark discharges, eliminating the potential ignition of gases and dusts which could lead to explosions in enclosed spaces.

Manufacturers and operators must use and conform to ATEX directives for the protection of persons working in areas with high risk of explosion.

These ESD products are certified by TÜV-Süd in relation to their electrical discharge capability accordance with EN 60079-0:2012+A11:2013 – Areas with high risk of explosion-Operating material-General requirements.

## Target groups:

Device manufacturers required to conform to ATEX product directive 2014/34/EU.

Operators required to conform to ATEX worker protection directive 1999/92/EC.