The electrical birdcontrol system E-Pin prevents birds from roosting at protected areas. It consists of three parallel stainless steel wires. Through an electrical power supply, electricity is funnelled into the system, which disperses birds like an electric fence.

There is no danger for birds or human beings touching the system incidentally.

**Components**
- Stainless steel pints on pipe, Wires, tension spring, wire connectors, screws, other materials for installation (screw anchors, nails)
- Plastic knuckles
- Stainless-steel clips
- Connection sleeves 3x30 copper or stainless-steel
- Insulation cable black
- Generator

**Material**
- Stainless steel 1.4301
- UV-protected polycarbonate

**Width**
- 25 mm

**Protected area (depth)**
- 100 mm (2 rows)

**Electricity**
- 6,700 V (system idle)
- 8,000 V (Maximum)
- 3,800 V at 500 Ohm load

**Installation**
- The electrical system is glued to the surface with a suitable glue or fixed directly to the valve of the roof gutter with buttscrews. The generator must be connected by client to the power supply or can be supplied by an additional solar module. The generator and the poles are connected with high insulation cables. The power supply can be funnelled into the system anywhere, a closed circuit is not necessary.

**Accessories**
- Rain guard, Lightning Switch
- Stainless Steel Wire
- Tension Spring, stainless steel
- Warning Sign
- Lightning Choke
- Stainless Steel Wire
- Warning Sign
- Eye Screw
- Wire connectors

**Liability advise**

Toni products are long established and proven bird control products. However, TONI products can only work effectively as part of an overall and planned programme of bird control. This includes hygiene management and the use of professionally trained personnel. Without limitation, TONI Bird Control Solutions GmbH & Co. KG will not accept liability for any consequences as a result of poor equipment maintenance, misuse, inappropriate use, lack of operative training, failure of due diligence or through lack of prior project consultation.

In some countries, the use of TONI products may require an official permit for building regulation or nature conservation. TONI will not accept liability for any consequences as a result of missing approvals.

**Manufacturer:** TONI Bird Control Solutions GmbH & Co. KG

**Product name:** Electrical System E-Pin 3Pin

**Drawing Scale:**

**Product-No:** E-18

**Done by:** S. Ferendis

29.01.2016