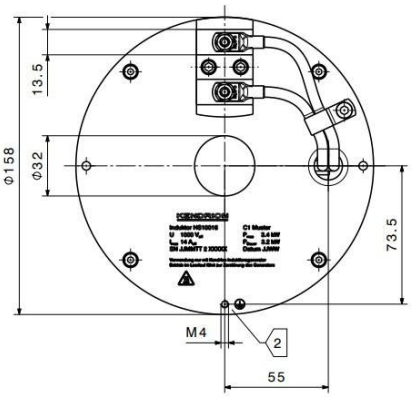
Inductor flat 158 mm HS10016

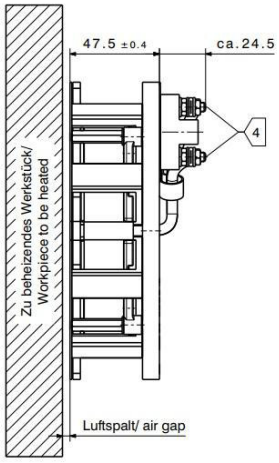
Inductor for inductive heating of surfaces

Compact surface inductor for small to medium heating zones with high power density. The HS10016 is suitable for the precise heating of flat metallic workpieces on an area of approx. 190 cm². Due to its compact design, it can be used individually or as part of a modular inductor field. Several inductors can be combined to form individual heating surfaces, with each inductor being controlled separately. This enables homogeneous temperature distribution and flexible adaptation to different process requirements. With a nominal power of 3.4 kW, a power density of up to 163 kW/m² and an efficiency of approx. 98%, electrical energy is efficiently converted into heat. fast heating and precise temperature control up to approx. 250°C

Advantages at a glance

- Compact design for small heating surfaces
- Can be combined modularly to form larger heating systems
- High power density of 163 kW/m²
- Temperature range up to 240 °C
- Efficiency of approx. 98 %
- Maintenance-free operation





Technical data	Inductor flat 158 HS10016
Dimensions single coil (L x W x H)	158 x 158 x 72 mm
Heated area	approx. 190 cm²
Nominal power	3.4 kW
Power density	163 kW/m²
Inductor current maximum	14.0 A
Inductor clamping	< 1000 Vrms
Efficiency	approx. 98%
Inductor Temperature Range	0 ... 240°C
Electrical connection	Screw connection M5 (max. tightening torque 3.5 Nm)
Electrical control	For connection to Kendrion induction generators
Standards / Approvals	e.g. IEC 61010-1, Low Voltage Directive
Product Status	In planning (sample on request)

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