

ID ANTS240/180

SHIELDED PAD ANTENNA

- Compact, flat and shielded workstation antenna
- Up to 23 cm read range
- Flat and compact design for use in enclosed spaces
- Optical feedback via LED
- No detection outside of the defined detection area
- Defined reading window and suitable for metal environment
- Also available as unshielded antenna or with integrated reader



Shielded Pad Antenna

The ID ANTS240/180-A is designed as a compact, very flat and shielded antenna for contactless data exchange with common HF transponders and impresses with its excellent performance and elegant design even in industrial or metallic surroundings.

A fully shielded antenna providing concentrated detection field means that only items placed directly on the antenna will be detected.

With their outstanding performance and their modern design the ID ANTS240/180-A is suitable for desktop applications in offices and libraries to trace files or documents and to detect lendable items at the check-out or return point. The read range with single transponders could reach up to 23 cm.

Due to its integrated shielding transponders will be detected only inside the antenna area and interferences between several antennas will be minimized. Additionally, the installation on metallic or conductive surfaces has no influence on the antenna. Therefore, the antenna could be used in normally unsuitable environments.

The antenna ID ANTS240/180-A can be connected directly to a reader with an included coaxial cable. For indication of different states like "RUN" or "Tag detect" the blue LED could be powered with a DC voltage on the antenna output of the reader (e.g. ID MR102, ID LR1002).

Also available as unshielded antenna ID ANT240/180 and as antenna with integrated reader module ID PAD74-U.

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ID ANTS240/180

Technical data

Dimensions (w x h x d)	240 mm x 180 mm x 15 mm (9.45 inch x 7.09 inch x 0.59 inch)
Weight	approx. 0.67 kg (1.47 lbs)
Housing	
Pad	Insensitive surface
Upper part	Plastic ABS
Lower part	Metal
Colour	
Pad	black
Upper part	similar RAL 9003 (white)
Protection class	IP30
Operating frequency	13.56 MHz
Max. transmitting power	1.5 W
Antenna connection	RG174 coaxial cable with SMA connector (50 Ω); approx. 2.2m long
Indicator, optical	1 LED (blue; switchable via DC voltage at the antenna output of the reader)
Temperature range	
Operation	-25°C up to +55°C (-13°F up to 131°F)
Storage	-25°C up to +70°C (-13°F up to 158°F)
Relative air humidity	5% up to 95% (non-condensing)



ID ANTS240/180-A

Standard conformity

EMC	EN 301 489
Safety & Health	EN 62368-1, EN 50364

Order description

ID ANTS240/180-A	6616.000.00	Compact shielded antenna with coaxial cable
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