

## DC080 Detection antenna

The DC080 antenna is the contactless badge reader for detecting the electronic access badges and key fobs in both the AEOS Professional and AEOS Enterprise access control system. It transmits the unique (RF) badge information to the door controller.

- Suitable for indoor and outdoor use
- Secure badge reading principle
- Modern design
- Vandal-proof protectors available
- Perfectly fits in standard electrical mounting box (DC080F)



### Contactless reading

The DC080 detection antenna registers the presence of an access badge at a distance of approximately 5 cm. The DC080 offers maximum convenience as it is capable of reading the badge information even if the access badge is still in your wallet. This is a major benefit in comparison to other systems where the badges need to be inserted or even swiped through a badge reader.

### Suitable for outdoor installation

The DC080 is rated IP54 and the DC080F is rated IP65, this makes them both suitable for use in outdoor installations, e.g. outside doors, barriers and sliding gates. We recommend the use of our Protector for outdoor applications. These Protectors offer greater protection against vandalism. The DC080F has been specially designed to fit into a standard electrical mounting box. This significantly simplifies installation and avoids the costs of separate cabling.

### Secure badge reading principle

Most badge readers communicate via Wiegand, Omron, or another public protocol. As a consequence, there are no safeguards to prevent unauthorized parties reading the badge information at the outside of the door, which is the unsecured side. Nedap uses in-house developed RF technology that can not be read by unauthorized third parties. This technology is used to transport the badge information to the controller in the secured environment of your building.

### No maintenance

Because the badges and key fobs are read contactless, there are no moving or wearing-sensitive parts in the system. This guarantees maintenance-free operation and a nearly infinite lifespan. In environments where extra vandal-proof protection is required, the DC080 and DC080(F) can be mounted with an additional vandal-resistant protective cover.

### Integral multi-color LED

The integral LED indicator is capable of lighting up in blue, red or green. Standard, red indicates that access has been denied and green indicates that access is granted to an authorized badge and the entrance is unlocked.

## Technical Specifications DC080 and DC080F

References	DC080: 9843280 DC080F: 9856080
Dimensions	DC080: 80 x 80 x 32 DC080F: 80 x 80 x 27
Housing	ABS
Detection range	Approx. 5 cm.
Cable length	Max. 50 m.
Cable type	AEOS Professional: 4 x 0,25 mm <sup>2</sup> Shielded AEOS Enterprise: 8 x 0,25 mm <sup>2</sup> Shielded
Operating temperature	-20 °C – + 50 °C
Weight	DC080: 100 gr. DC080F: 125 gr.
Installation	Please refer to the installation manual: 5266610
Protectors	DC080 protector: 9896864 DC080F protector: 9892338

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