

Contactless Key Fob Thales UNI

Feature	Standard version	Options
Material	Case Ring: shock proof ABS Disc Transponder: any of our card materials, e.g. Automotive Blend 80	Disc only or Plug-In-Card for key fobs made of alternative materials such as leather or textiles
Colours	Case Ring: Black Disc Transponder: any printing similar to cards	
Dimension	34x48x5 mm (Drawing no. 07.10.1) Printable area: 25mm Ø, on front and reverse sides	
Chip types	HF chips conform to ISO 14443 / 15693 families	Customer-specific chips
Function of contactless unit	According to chip and system specifications of the semiconductor manufacturer	Customer-specific versions
Initializing // Programming	100% tested for RF function	Printing / Lasering of Chip-ID or any information on the disc transponder Customer-specific programming
Operating temperature in °C	Depending on the material of the disc transponder, e.g. -20 / +60 for PVC premium 50 -30 / +70 for Blend 70 -30 / +85 for Automotive Blend 80	-30 / +120 for 100% polycarbonate on request
Protection class	IP67	
Printing on disc	Offset, Silk screen, Digital printing – all beneath the overlay similar to our ID-1 cards	
Surface	Glossy laminated	Silky or half mat laminated

The disc transponder is hermetically sealed by lamination.
The case ring protects the disc transponder against abrasion.

Application areas:

- Customers who already have HF cards in use and want to add another form factor
- Customers who want their key fob to be absolutely waterproof
- Customers with high secure programming, because a pre-personalization and qualification is absolutely necessary in card format
- Owners of RFID locking systems who use integrated reading antennas with small diameters, which harmonize better with smaller transponders (Class 2 to 5)
- Customers from the automotive sector who use alternative form factors as in car sharing and Elektromobility (charging stations)
- Customers who want to use special material such as textiles or leather and only buy the disc transponder as laminated and thus hermetically sealed component

