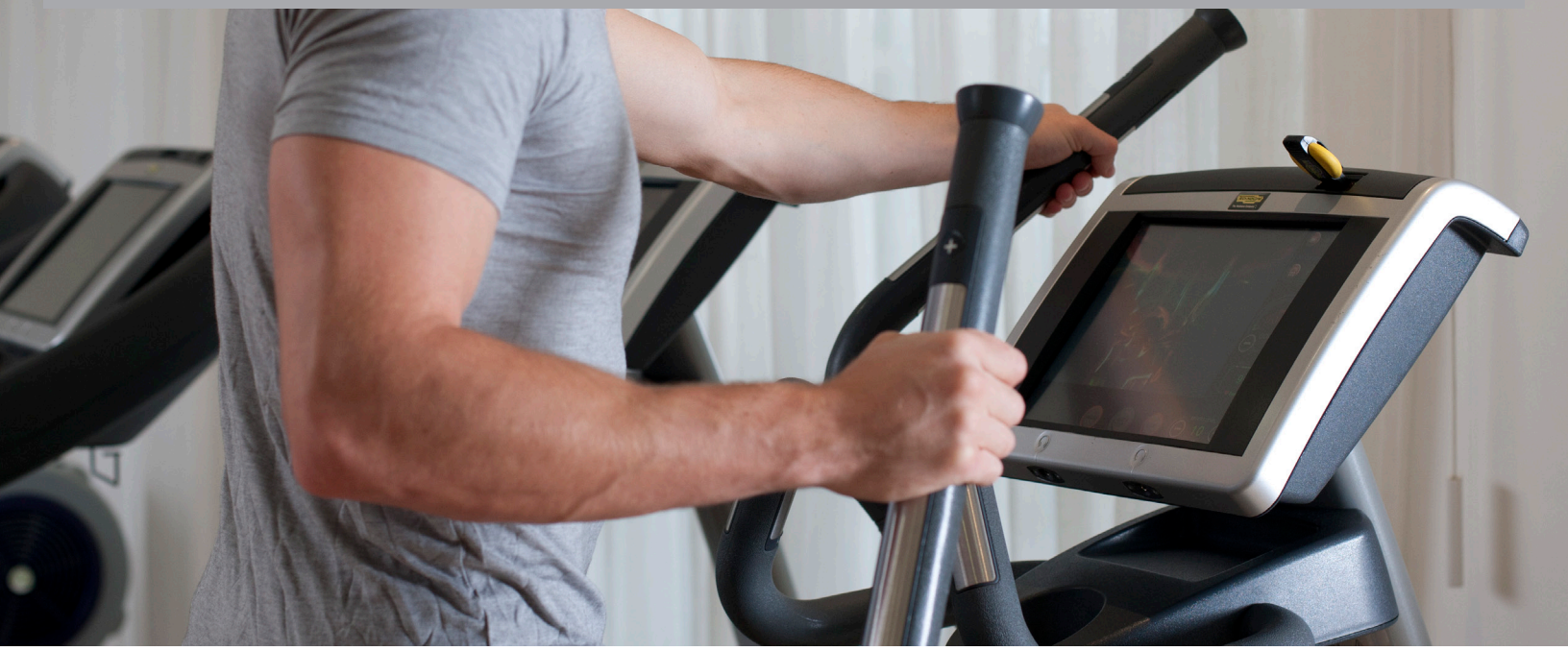
Keyfobs



- **Adaptable:** Virtually any LF or HF chip can be integrated.
- **Reliable:** Built by the leader in RFID transponders, constructed to withstand the rigors of daily use based on customer requirements.
- **Promotionally effective:** Practical shapes assure end-user credentials are always at hand, and can include a custom printed brand message.

CONVENIENT KEYFOBS ENABLE A BROAD SPECTRUM OF CONTACTLESS APPLICATIONS

Keyfobs make it easy for program participants to carry and present credentials, and are cost-effective to issue. They can enhance a broad spectrum of commercial and industrial applications, including contactless payment, vending, customer loyalty, near field communications (NFC), and automatic fare collection (AFC) schemes for public transportation.

Customers choose a contactless chip to fit application requirements for operating frequency, memory capacity or anti-collision capability. The chip is securely encased in a keyfob housing that protects the electronics and optimizes performance. The electronics will perform over the life of the device based on projected normal exposure to impact, chemicals and fluctuating temperatures.

Keyfobs are available in a variety of standard shapes and colors, and may be printed with a logo or promotional message. Custom shapes or colors can also be produced to further emphasize brand recognition.

Provided by a leader in the application of radio frequency identification (RFID) technology, customers can rely on Sokymat engineering and manufacturing expertise to deliver the world's most advanced, reliable contactless keyfobs. Proven processes and automated manufacturing ensure high quality, as well as efficient and cost-effective production.

SPECIFICATIONS

TECHNOLOGY HIGHLIGHTS:

A wide range of 125 kHz and 13.56 MHz integrated chip options are available within a variety of standard shapes and sizes of Sokymat keyfobs. Fob housings are made of durable polycarbonate, or heat-reistant glass fiber-reinforced epoxy with custom shapes, sizes, and colors available upon request.

APPLICATION AREAS:

Sokymat keyfobs can be used in all contactless applications where a fob form factor provides a more convenient way for participants to carry and use their credentials. They are popular for managing physical access, time and attendance, and logical access as well as providing a vehicle for a variety of cashless payment applications including automatic fare collection, loyalty programs, point-of-sale, as well as NFC applications.

	Low Frequency				High Frequency		
	Blueye	**Bobsleigh**	**Epoxy**	**Tear Shape**	**Bobsleigh**	**Epoxy**	**Tear Shape**
ELECTRONIC							
Operating Frequencies	125 kHz				13.56 MHz		
Chip Types	Hitag S, Q5, Unique, ATA55x7		Hitag 1, Hitag 2, Hitag S, Q5, Titan, Unique, ATA55x7		MIFARE 1K, MIFARE 4K , MIFARE DESFire EV1	I-Code SLIx, MIFARE 1K	LEGIC MIM256, LEGIC MIM1024, MIFARE 1K, 4K, MIFARE DESFire EV1
Available Memory	64 bit read-only to 2048 bit read-write				1024 to 4096 byte EEPROM	1024 bit to 1024 byte EEPROM	256 bit to 4096 byte EEPROM
Anti-Collision	Yes (Hitag)				Yes		Yes (MIFARE)
PHYSICAL							
Dimensions	1.89" x 1.13" x 0.30" (47.9 x 28.6 × 7.5 mm)	1.95" x 1.30" x 0.26" (49.6 x 33.0 × 6.6 mm)	1.77" x 1.18" x 0.06" (45 x 30 × 1.6 mm)	1.57" x 1.22" x 0.19" (40 x 31 × 4.8 mm)	1.95" x 1.30" x 0.26" (49.6 x 33.0 × 6.6 mm)	1.77" x 1.18" x 0.06" (45 x 30 × 1.6 mm)	1.57" x 1.22" x 0.19" (40 x 31 × 4.8 mm)
Housing Materials	PC		Epoxy	PC		Epoxy	PC
Colors	Transparent blue		Black	Black, blue, red	Transparent blue	Black	Black, blue, red
CHEMICAL AND MECHANICAL							
Water	IP67, 68° F (20° C), 3.3 ft (1 m) x 1 h						
Withstands Exposure To	Acetic acid water, artificial perspiration, carbonated sodium water, ethylene glycol, fuel B, salt mist, salt water, sugared water						
Environmental Test Conditions	68° F (20° C), 100h						
Drop Test	6 ft (1.8 m), 10 × 10 cycles						
THERMAL							
Storage	-31° to +176° F (-5° to +80° C), 1000h						
Operating	-13° to +176° F (-25° to +80° C)						
Shock/Fatigue	-31° to +176° F (-35° to +80° C), 100x 5 min. with 20 sec. transition						
Humidity Storage	Storage at 140° F (60° C) for 100 h, humidity >90%						
OTHER							
Standards	ISO 10373, ISO 60529				ISO 10373, ISO 60529, ISO 14443, optional NFC	ISO 10373, ISO 60529, ISO 15693 + ISO 18000-3 (ICODE), ISO 14443 (MIFARE), optional NFC	ISO 10373, ISO 60529; ISO 14443 (MIFARE), optional NFC
Print Options	Single or both sides with various technologies						
Warranty	1 year						

Sokymat can create a custom keyfob solution to fit your application requirements for chip type, dimensions, programming and materials.

May be used for NFC applications.

sokymat
ASSA ABLOY

ASSA ABLOY, the global leader in door opening solutions