Contactless Sticker OM

ASSA ABLOY

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The global leader
in door opening solutions

SECURE ON METAL CONTACTLESS STICKER ENABLES CONVENIENCE AND PROMOTES ACCOUNTABILITY

- **Cashless Payment –** increase participation in closed-loop payment and loyalty programs by improving end-user convenience

- **Access control –** promote your organization with custom imprinted logo or message on fresh form factor that will always be at hand

- **Asset tracking –** Ensure reliable and durable identification without interference, no matter where the sticker is mounted

ASSA ABLOY Contactless Stickers offer extreme versatility. For cashless payment, stickers place credentials always at one's fingertips, promoting more frequent end-user participation in closed-loop payment and loyalty programs. They provide the same convenience for access control. The stickers are an optimal solution for retailers, public transit operators and campuses seeking to engage customers in their services and products while alternatively or additionally providing secure access to facilities.

A sticker enables each program participant to adhere a unique, compact credential to a wallet, ID badge, mobile phone or MP3 player – wherever is most convenient for the user. In fact, it's the same functionality when affixed to metal or electronic devices which make the sticker suitable for identification of items which may need to be tracked.

Contactless Stickers are available in the most popular contactless technologies, including MIFARE™ EV1 and MIFARE DESFire™. Integrators and operators can choose a card technology that easily integrates into current payment, loyalty, item identification or access control systems.

These stickers deliver reliable performance through frequent and long-term use. An embedded shield prevents interference when mounted on a mobile phone or other electronic device and a specialized adhesive ensures credentials stay in place.

SPECIFICATIONS

	Contactless Sticker OM				
	MIFARE®		**MIFARE DESFire®**		
	1K	**4K**	**2K**	**4K**	**8K**
Base Model Number	0501600442	0501600473	0501600441	0501600471	0501600472
ELECTRONIC					
Operating Frequency	13.56 MHz				
Chip Type	MIFARE Classic EV1		MIFARE DESFire™ EV1		
Memory	1K EEPROM (7 byte UID)	4K EEPROM (7 byte UID)	2K EEPROM (7 byte UID)	4K EEPROM (7 byte UID)	8K EEPROM (7 byte UID)
Anti-Collision	Yes				
Reading Distance	Up to 3 in (76 mm)		Up to 2 in (50 mm)		
PHYSICAL					
Breakout Sticker L × H	1.89 × 0.98 in (48 × 25 mm)				
ISO Card L × H	3.38 × 2.12 in (85.5 × 54 mm)				
Thickness	0.03 in (0.84 mm)				
Housing Material	PVC				
Color	White				
Sticker Weight	0.20 oz (5.5 g)				
CHEMICAL AND MECHANICAL					
Water	IP68, 3.3 ft (1 m) × 24 h				
Withstands Exposure To	Acetic acid, artificial perspiration, carbonated water, ethylene glycol, fuel B, salt mist, salt water, sugared water; 95% humidity at 122° F (50° C), 24 h				
Write Endurance	100,000 cycles minimum				
Data Retention	10 years minimum				
THERMAL					
Storage	-31 °to +122° F (-35° to +50° C)				
Operating Temperature	-31 °to +122° F (-35° to +50° C)				
Shock/Fatigue	-31° to +176° F (-35° to +80° C), 50 x 5 min with 30 sec transition				
OTHER					
Standards	ISO 14443, optional NFC tag type 4 (MIFARE DESFire™ EV1, when NDEF formatted)				
Options	Custom printing, custom programming, 4 byte non-UID, ICode SLIx chip				
Warranty	1 Year				

CE NFC

TECHNOLOGY HIGHLIGHTS:

The Contactless Sticker OM is available in several technologies including MIFARE Classic EV1 1K and 4K, MIFARE DESFire™ EV1 2K, 4K and 8K as well as other chips, such as the ICode SLIx (upon request.) Additionally, these standard ID1-size cards with breakout stickers may be pre-printed with custom graphics or serial numbers, laser-engraved, programmed with custom keys or other identifying data, or personalized on-site in a reverse transfer desktop printer.

APPLICATION AREAS:

ASSA ABLOY Contactless Sticker OM is ideal for cashless payment, access control and asset tracking applications. When properly programed and placed on a mobile phone, the product may be used for Near Field Communication (NFC) applications, even on non NFC-enabled phones, making it an excellent test platform for providers considering NFC implementations. Similar to typical access control badges, ID cards or contactless payment cards, the electronics are securely enclosed in durable PVC for long-term and frequent use while the form factor improves convenience of mobile payment and access. For asset tracking, the devices provide improved data collection over barcoding while still enabling visual reference via custom printing or remote personalization for an additional level of identification or ownership.

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