



## MIFARE® DESFire® EV3 credentials



### Overview

MIFARE® DESFire® EV3 is the latest addition to the well-established Schlage® MIFARE DESFire family, bringing enhanced performance for the best user experience. It is functionally backward compatible with all previous MIFARE DESFire evolutions, namely MIFARE DESFire EV1 and MIFARE DESFire EV2.

#### Smart credentials

Schlage MIFARE credentials put you in control by delivering smarter solutions. These credentials protect your most sensitive data by utilizing extra layers of security protection, and can be used for many other applications including transit, cashless vending, and cafeteria point of sale. Schlage contactless smart credentials operate on a 13.56 MHz frequency, and utilize high security encrypted data, which is mutually authenticated in communication between the card and reader, providing optimum security.

#### Multi-technology credentials

Schlage multi-technology credentials are extremely flexible. Particularly useful during a transition from proximity technology to smart technology, this card can be read by both proximity readers and smart readers. This allows customers to economically migrate to more secure MIFARE technology utilized by Schlage readers and wireless locks at their own pace. Schlage multi-technology credentials contain both 125 kHz proximity and 13.56 MHz contactless smart card capability in one unit.

### Features and benefits

- **Open architecture**  
Schlage secures the access control application sector, but the remaining sectors are open for customers to work with any company they choose
- **Secure data and communications**  
Credentials using MIFARE DESFire offer Schlage's highest level of security through the use of mutual authentication, key diversification and encryption

#### Schlage Credential Services

- **Custom encryption and programming**  
Program Schlage MIFARE credentials and readers with custom key format that is site-specific and/or proprietary bit format
- **CardTrax™ account tracking program**  
Helps keep track of card numbers at no additional cost
- **Custom artwork**  
Stand out from the crowd with custom credential artwork services from Schlage



Check out our Schlage  
Credential Services



COMING SOON



### 13.56 MHz

## Smart credentials<sup>4</sup>

Model number	8443	8543	8643T	8743	8343	8043
Credential type	Clamshell	ISO glossy white <sup>1</sup>	Thin keyfob	PVC adhesive patch	Silicone wristband	35mm PVC adhesive disc
Magnetic stripe available	No	Yes <sup>2</sup>	No	No	No	No
Dimensions (H x W x T in inches)	3.36" x 2.12" x 0.063"	3.37" x 2.2125" x 0.033"	1.77" x 1.18" x .098"	3.31" x 2.07" x 0.033	0.63" x 7.68" x 0.295"	1.378" x .043"
Slot punch <sup>3</sup> (print guide included on ISO cards)	Vertical (standard)	Vertical or horizontal (optional)	Keyring	Vertical (optional)	N/A	N/A
Memory capacity; application sectors	4K byte/32k bit	4K byte/32k bit	4K byte/32k bit	4K byte/32k bit	4K byte/32k bit	4K byte/32k bit



### 125 kHz + 13.56 MHz

## Multi-technology credentials<sup>4</sup>

Model number	8943	8843T
Credential type	ISO glossy white <sup>1</sup>	Thin keyfob
Credential technology	Proximity + MIFARE DESFire EV3	Proximity + MIFARE DESFire EV3
Magnetic stripe available	Yes <sup>2</sup>	No
Dimensions (H x W x T in inches)	3.37" x 2.2125" x 0.03"	1.77" x 1.18" x .098"
Slot punch <sup>3</sup> (print guide included on ISO cards)	Vertical or horizontal (optional)	Keyring
Memory capacity; application sectors	4K byte/32k bit	4K byte/32k bit

**Limited lifetime warranty** - Credentials have a lifetime warranty against manufacturers defects. See sales policy for complete warranty details.

<sup>1</sup> ISO glossy white style credentials are made from composite material, are printable, and can include a magnetic stripe as an option 3.

<sup>2</sup> Add M1 to the model number for a magnetic stripe when ordering. Vertical slot punch not available on magnetic stripe cards.

<sup>3</sup> Add SPV (vertical) or SPH (horizontal) your credential order for a slot punch. Vertical slot punch comes standard on all clamshell orders. Vertical and horizontal slot punch are optional on ISO cards. Vertical slot punch not available on magnetic stripe cards.

<sup>4</sup> All Schlage MIFARE credentials comply with the 14443 ISO standard.

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## About Allegion

Allegion (NYSE: ALLE) is a global pioneer in seamless access, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion secures people and assets with a range of solutions for homes, businesses, schools and institutions. Allegion had \$2.7 billion in revenue in 2020, and its security products are sold around the world. For more, visit [www.allegion.com](http://www.allegion.com)



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