

Credentials compatibility guide for readers and electronic locks



	PR10 - 125 kHz Proximity - mini-Mullion	SM10 - 13.56 MHz Smart - mini-mullion	MT11 - Multi-technology - mullion	MT15 - Multi-technology - single gang	MTK15 - Multi-technology with keypad - single gang	MTMS15 - Multi-technology magnetic stripe - single gang	MTMSK15 - Multi-technology magnetic stripe with keypad - single gang	MT20 (USB) or MT20W (Wi-Fi) - Smart Credential Enrollment Reader	CO	AD	NDE/LE ¹	Control ¹
125 kHz Proximity	■		■	■	■	■	■		■	■	■	
Allegion 13.56 MHz MIFARE Classic®		■	■	■	■	■	■	■		■	■	■
Allegion 13.56 MHz MIFARE Plus® 2		■	■	■	■	■	■	■		■	■	■
Allegion 13.56 MHz MIFARE® DESFire® EV1		■	■	■	■	■	■	■		■	■	■
Wristbands using Allegion 13.56 MHz MIFARE Classic		■	■	■	■	■	■	■		■	■	■
MT: 125 kHz Proximity and Allegion 13.56 MHz MIFARE Classic	■	■	■	■	■	■	■	■	■	■	■	■
MT: 125 kHz Proximity and Allegion 13.56 MHz MIFARE Plus® 2	■	■	■	■	■	■	■	■	■	■	■	■
MT: 125 kHz Proximity and Allegion 13.56 MHz MIFARE DESFire EV1	■	■	■	■	■	■	■	■	■	■	■	■
aptiQmobile™ Credentials		■	■	■	■	■	■	■		■	■	■
13.56 MHz PIV		■	■	■	■	■	■	■		■		
FIPS 201-1		■	■	■	■	■	■	■			■ ⁵	
FIPS 201-2 ³			■ ⁴	■ ⁴	■ ⁴	■ ⁴	■ ⁴					
HID® Proximity	■		■	■	■	■	■		■	■	■	
GE/CASI ProxLite®	■		■	■	■	■	■		■	■	■	
AWID® Proximity	■		■	■	■	■	■		■	■	■	
LenelProx®	■		■	■	■	■	■		■	■	■	
DESFire® CSN ⁶		■	■	■	■	■	■			■	■	
HID iCLASS CSN ⁶		■	■	■	■	■	■			■	■	
Inside Contactless PicoTag® CSN ⁶		■	■	■	■	■	■			■	■	
ST Microelectronics® CSN ⁶		■	■	■	■	■	■			■	■	
Texas Instruments Tag-It® CSN ⁶		■	■	■	■	■	■			■	■	
Phillips I-Code® CSN ⁶		■	■	■	■	■	■			■	■	

1 No-Tour functionality requires minimum 1K byte/8k bit Allegion smart credential and MT20W enrollment reader.
 2 MIFARE Plus Credentials available in Q4, 2017.
 3 FIPS certified with approved access control systems only.

4 With RS-485 system interface only.
 5 With FMK reader.
 6 Card serial number only.

Reader specification overview



Specifications

Model	PR10	SM10	MT11	MT15	MTK15	MTMS15	MTMSK15	
Reader type	Proximity - mini-mullion	Smart - mini-mullion	Multi-technology - mullion	Multi-technology - single gang	Multi-technology with keypad - single gang	Multi-technology with magnetic stripe - single gang	Multi-technology with magnetic stripe and keypad - single gang	
Frequency	125 kHz	13.56 MHz	13.56 MHz and 125 kHz		13.56 MHz, 125 kHz, and magnetic stripe			
Standard default PIV output	N/A	75 bit PIV*						
Standards	N/A	ISO 14443A, 14443B, 15693						
Certifications	FCC Certification · IC Certification · UL 294 Listed · RED Directive (15 EU Countries) · CE Mark · IP65							
Voltage range	5-16 VDC							
Power supply	Linear DC							
Current requirement (at 12 VDC and 25 C; mAmps)	Avg. 65 mA Peak 110 mA	Avg. 95 mA Peak 195 mA	MT11 Avg. 100 mA Peak 170 mA	MT11-485 Avg. 115 mA Peak 145 mA	MT15 and MT15-485 Avg. 120 mA Peak 200 mA	MTK15 and MTK15-485 Avg. 120 mA Peak 230 mA	MTMS15 and MTMS15-485 Avg. 120 mA Peak 200 mA	MTMSK15 and MTMSK15-485 Avg. 120 mA Peak 230 mA
Read range	Proximity: Up to 3" (7.5 cm)	MIFARE Classic: Up to 4" (10 cm) MIFARE Plus: Up to 1.5" (3.8 cm) MIFARE DESFire EV1: Up to 2" (5.1 cm)	Proximity: up to 5" (12.7 cm) · MIFARE Classic: up to 4" (10 cm) · MIFARE Plus: Up to 1" (2.5 cm) · MIFARE DESFire EV1: up to 2" (5.1 cm) · PIV credential: up to 2.5" (6.5 cm)					
Cable specification	18 AWG, 5 conductor stranded/shielded							
Interfaces	Wiegand	Wiegand/Clock & Data	Wiegand/Clock & Data/RS-485** (OSDP)					
Cabling distance	Wiegand output: 500 ft. (152 m)							
Physical dimensions (H x W x D)	4.26" x 1.72" x 0.81" 10.8 cm x 4.4 cm x 2.1 cm	4.26" x 1.72" x 0.81" 10.8 cm x 4.4 cm x 2.1 cm	5.91" x 1.72" x 0.81" 15 cm x 4.4 cm x 2.1 cm	5.1" x 3.25" x 0.76" 12.9 cm x 8.3 cm x 1.9 cm		4.43" x 5.17" x 1.15" 11.25 cm x 13.13 cm x 2.92 cm		
Operating temperatures	-40° to 158°F (-40° to 70°C)					-31° to 151°F (-35 to 67°C)		
Weight	4.1 oz	3.9 oz	5.7 oz	9.1 oz	9.3 oz	8.9 oz	9.5 oz	
Material	PBT Polymer							

* Other output options available through configuration.

About Allegion

Allegion (NYSE: ALLE) is a global pioneer in safety and security, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion produces a range of solutions for homes, businesses, schools and other institutions. Allegion is a \$2 billion company, with products sold in almost 130 countries. For more, visit www.allegion.com.

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