

Reader Product Information



Smartcard Reader
Mullion Mount



Smartcard Keypad Reader
Monitor Interface



Smartcard Reader
Wall Switch Mount



Smartcard Keypad Reader
Wall Switch Mount

Reader Type	HID® Signo™ 20	HID® Signo™ 20K	HID® Signo™ 40	HID® Signo™ 40K
2.4 GHz (Bluetooth)	Mobile Credentials powered by Seos® (HID Mobile Access)			
13.56 MHz (NFC)	Seos, iCLASS SE®, iCLASS SR®, iCLASS®, MIFARE Classic, MIFARE DESFire EV1/EV2, FeliCa™ & Contactless e-Purse Application Specification (CEPAS), Mobile Credentials powered by Seos (HID Mobile Access)			
125 kHz	HID Proximity®, Indala® Proximity, AWID Proximity, and EM Proximity			
Typical Read Range	Seos®, MIFARE Classic, MIFARE DESFire EV1/EV2 & ISO14443A Single Technology Cards - 4 to 10 cm HID / AWID Proximity®, Indala Proximity®, EM Proximity & 125 kHz Single Technology Cards - 6 to 10 cm			
Mounting	Suited for mullion-mount door installations or any flat surface mounting		Suited to mount and cover single gang switch boxes with a slotted mounting plate for alternate back-box spacing	
Event Logs	-	-	-	-
Max. Users	-	-	-	-
Dimensions (WxLxD)	45 x 121.5 x 19.5 mm	45 x 121.5 x 21.5 mm	80 x 121.5 x 19.5 mm	80 x 121.5 x 21.5 mm
Weight	95 g	110 g	140 g	160 g
Operating Voltage	12V DC			
Current Draw	NSC: 60 mA ; Peak: 250 mA Max. Avg: 70 mA ; IPM: 45 mA	NSC: 65 mA ; Peak: 250 mA Max. Avg: 75 mA ; IPM: 48 mA	NSC: 65 mA ; Peak: 250 mA Max. Avg: 70 mA ; IPM: 45 mA	NSC: 70 mA ; Peak: 250 mA Max. Avg: 80 mA ; IPM: 55 mA
Input and Output	Input: Tri-color LED, Buzzer, Hold @ Active Low Output: Tamper Relay 0-60V DC @ 100mA Max (Dry Contact)			
Environmental Rating	UL294 Outdoor and Indoor rated, IP65			
Operating Temp.	-31° F to 150° F (-35° C to 66° C)			
Humidity Temp.	0% to 95% non-condensing			
Storage Temp.	-40° F to 185° F (-40° C to 85° C)			
Warranty*	1 Year			

* Please consult with us

** Specification may change without prior notice

Reader Product Information



Mini-Mullion Contactless
Smartcard Reader



Mullion Contactless
Smartcard Reader



Contactless Smart Card
Wall Switch



Contactless Smart Card
Wall Switch Keypad



Contactless Smart Card
Long Range



Contactless Smart Card
UHF Long Range

Reader Type	HID® iCLASS SE® R10	HID® iCLASS SE® R15	HID® iCLASS SE® R40	HID® iCLASS SE® RK40	HID® iCLASS SE® R90	HID® iCLASS SE® U90
Operating Voltage	5-16 VDC				12 VDC or 24 VDC	
Typical Read Range 13.56 MHz ID-Cards	iCLASS Seos: 6 cm iCLASS: 9 cm MIFARE Classic: 6 cm MIFARE DESFire EV1/EV2: 6 cm		CLASS Seos: 8 cm iCLASS: 13 cm MIFARE Classic: 10 cm MIFARE DESFire EV1/EV2 8 cm	iCLASS Seos: 5 cm iCLASS: 14 cm MIFARE Classic: 13 cm MIFARE DESFire EV1/EV2 5 cm	iCLASS Seos: 12 cm iCLASS: 36 cm MIFARE Classic: 24 cm MIFARE DESFire EV1/EV2 15 cm	Up to 5 meters depends on Installation conditions and vehicle windshield specification
Mounting	Ideally suited for mullion-mounted door installations or any flat surface		Wall Switch Size; designed to mount and cover single gang switch boxes primarily used i the Americas and includes a slotted mounting plate for European and Asian back box spacing		Metal gooseneck pedestal, without a metal back plate.	Drill mounting box to meet application.
Mounting Spacer	To be used when mounting on metallic surfaces, refer to How To Order Guide for part numbers				Refer to installation guide	-
Keypad	No			Yes (4x3)	No	
Dimensions (WxLxD)	48 x 103 x 23 mm	48 x 153 x 23 mm	84 x 122 x 24 mm	85 x 122 x 28 mm	333 x 333 x 39 mm	231 x 231 x 70 mm
Weight	113 g	151 g	220 g	256 g	1844 g	-
Current Draw	60 @ 16V		65 @ 16V	85 @ 16V	110 @ 12V	Max AVG 400 @ 12VDC 200 @ 24VDC
Standard Power (mA)	60 @ 16V		65 @ 16V	85 @ 16V	110 @ 12V	Max AVG 400 @ 12VDC 200 @ 24VDC
Transmit Frequency	13.56 MHz					865-868 MHz / 902-928 MHz
Communications	Wiegand, Clock-and-Data, Open Supervised Device Protocol (OSPD) via RS485					SIA OSDP, Wiegand Crypto-Processor Hardware
Environmental Rating	Indoor/Outdoor IP55; IP65 if installed with optional gasket				IP65	
Operating Temp.	-31° F to 150° F (-35° C to 65° C)					
Operating Humidity	5% to 95% relative humidity non-condensing					
Storage Temp.	-67° to 185° F (-55° to 85° C)					
Warranty*	1 Year					

* Please consult with us

** Specification may change without prior notice

Reader Product Information



Mini-Mullion Contactless
Smartcard Reader



Mullion Contactless
Smartcard Reader



Contactless Smart Card Reader
Wall Switch



Contactless Smart Card Reader
Wall Switch Keypad

Reader Type	HID® multiCLASS SE® RP10	HID® multiCLASS SE® RP15	HID® multiCLASS SE® RP40	HID® multiCLASS SE® RPK40
Operating Voltage	5-16 VDC, Linear supply recommended			
Typical Read Range 13.56 MHz ID-Cards	iCLASS Seos: 2 cm iCLASS: 8 cm MIFARE Classic: 7 cm MIFARE DESFire EV1/EV2: 3 cm		CLASS Seos: 3 cm iCLASS: 12 cm MIFARE Classic: 12 cm MIFARE DESFire EV1/EV2 5 cm	iCLASS Seos: 2 cm iCLASS: 12 cm MIFARE Classic: 11 cm MIFARE DESFire EV1/EV2 4 cm
Typical Read Range 125 kHz ID-Cards	HID Prox: 7 cm Indala Prox: 4 cm EM4102 Prox: 11 cm		HID Prox: 7 cm Indala Prox: 5 cm EM4102 Prox: 11 cm	HID Prox: 7 cm Indala Prox: 5 cm EM4102 Prox: 8 cm
Mounting	Ideally suited for mullion-mounted door installations or any flat surface		Wall Switch Size; designed to mount and cover single gang switch boxes primarily used in the Americas and includes a slotted mounting plate for European and Asian back box spacing	
Mounting Spacer	To be used when mounting on metallic surfaces, refer to How To Order Guide for part numbers			
Keypad	No			Yes (4x3)
Dimensions (WxLxD)	48 x 103 x 23 mm	48 x 153 x 23 mm	84 x 122 x 24 mm	85 x 122 x 28 mm
Weight	114 g	149 g	222 g	258 g
Current Draw Standard	60mA @ 16V		65mA @ 16V	85mA @ 16V
Transmit Frequency	13.56 MHz & 125 kHz			
Communications	Optional OSDP with SCP over RS485 Wiegand/Clock-and-Data Interface 500ft (150m) (22AWG) - Use Shielded cable for best results			
Environmental Rating	Indoor/Outdoor IP55; IP65 if installed with optional gasket (IP65GSKT)			
Operating Temp.	-31° F to 150° F (-35° C to 65° C)			
Operating Humidity	5% to 95% relative humidity non-condensing			
Storage Temp.	-67° to 185° F (-55° to 85° C)			
Warranty*	1 Year			

* Please consult with us

** Specification may change without prior notice



multiCLASS SE® Reader

Reader Product Information



125 kHz Stand-Alone
Proximity Reader



125 kHz Mini Mullion
Proximity Reader



125 kHz Wall Switch Keypad
Proximity Reader

Reader Type	HID® Proximity EntryProx™ 4045C	HID® Proximity ProxPoint® Plus 6005	HID® Proximity ProxPro® with Keypad 5355
Power Supply	10 - 15 VDC	5 - 16 VDC	10-28.5 VDC
Typical Read Range	ProxCard® II Card - up to 7.6 cm ISOProx® II card - up to 6.35 cm DuoProx® II Card - up to 6.35 cm Smart ISOProx® Cards - up to 6.35 cm Smart DuoProx® II Cards - up to 6.35 cm Proximity & MIFARE® Card - up to 6.35 cm ProxCard Plus® Card - up to 2.5 cm		ProxCard® II Card - up to 20 cm ISOProx® II card - up to 17.5 cm DuoProx® II Card - up to 17.5 cm Smart ISOProx® Cards - up to 17.5 cm Smart DuoProx® II Cards - up to 17.5 cm Proximity & MIFARE® Card - up to 17.5 cm ProxCard Plus® Card - up to 7.5 cm
Mounting	US or EU single gang box, wall surface, or on glass with included adhesive pads	Mullion	Single-gang electrical box; Glass Mount Kit Available
Current Req.	150 mA @ 12 VDC	20mA avg / 75mA peak at 12VDC	100mA avg (12 VDC)/ 120mA peak (24 VDC)
Dimensions (WxLxD)	133.3 x 69.8 x 41 mm	79.6 x 43.7 x 16.8 mm	127 x 127 x 25.4 mm
Weight	333 g	75 g	336 g
Termination	Terminal Strip	Pigtail	Terminal Strip
Output Formats	Wiegand	Wiegand or Clock-and-Data	Wiegand, Clock-and-Data, RS-232 or RS-422
Indoor/Outdoor	IP55 Certified		
Operating Temp.	-31° to 150° F (-35° to 66° C)	-22° to 150° F (-30° to 65° C)	
Operating Humidity	5% to 95% relative, non-condensing	0% to 95% relative, non-condensing	
Warranty*	1 Year		

* Please consult with us

** Specification may change without prior notice

Reader Product Information



Biometric Reader
Fingerprint



Wall Switch Keypad
with Biometric



Wall Switch Keypad
with Biometric



Optical USB
Fingerprint Reader

Reader Type	HID® Signo™ 25B	HID® iCLASS SE® RKL40	HID® pivCLASS® RKCLB40	HID® DigitalPersona® 4500
2.4 GHz (Bluetooth)	Secure Identity Object (SIO) on Mobile IDs (Bluetooth Smart)	-	-	-
13.56 MHz (NFC)	Seos®, iCLASS SE®/SR, iCLASS®, ISO 14443A (MIFARE) CSN, ISO 14443B CSN	Seos® 8kB, iCLASS®16-32k bit	PKI-Based FIPS-201 Credentials including PIV, PIV-I, CIV, CAC, TWIC & FRAC	-
Typical Read Range	Seos™ (3 cm), iCLASS® (5 cm), Mifare® Classic , Mifare Plus (8 cm) Mifare DESFire® EV1/EV2 (4 cm)	Seos™ (3 cm), iCLASS® (12 cm)	FIPS-201 (5 cm), iCLASS® (14 cm) Seos™ (5 cm), Mifare® Classic (13 cm) Mifare DESFire® EV1 (5 cm)	Scan Data 48-bit grayscale ; Pixel Resolution 512 dpi
Keypad	-	Illuminated, 4 x 3		-
Event Logs	1.000.000	-	-	-
Max. Users	5.000 (1:N)	-	-	-
Dimensions (WxLxD)	50 x 204 x 55 mm	122 x 156 x 30 mm		65 x 36 x 15.56 mm
Weight	380 g	454 g	484 g	105 g
Operating Voltage	12 VDC (9-14 VDC)	+12VDC		5.0V ±5% supplied by USB
Current Draw	NSC: 800 mA ; Peak: 2A @ 12 VDC Max. Avg: 1.5A @12 VDC	NSC: 195mA ; Peak: 320mA Max. Avg: 255mA	NSC: 165mA ; Peak: 300mA Max. Avg: 215mA	Scanning <100 Ma ; Idle 120 mA Suspend <0.5 mA
Environmental Rating	IP67 Indoor/Outdoor & IK09 Impact	UL 294 & IP55 indoor/outdoor	UL 294 & IP55 outdoor	-
Operating Temp.	-4° F to 153° F (-20° C to 66° C)	14° F to 122° F (-10° C to 50° C)		0° C to 40° C
Humudity Temp.	0% to 95% relative, non-condensing	5% to 95% relative, non-condensing		20% - 90% non-condensing
Storage Temp.	-40° F to 194° F (-40° C to 90° C)	-67° F to 185° F (-55° C to 85° C)		-
Warranty*	1 Year			

* Please consult with us

** Specification may change without prior notice