

Choose Cotag readers...



...For ultimate convenience and cost-efficiency.

SiPass readers



Robust, reliable and easy to use

Siemens provides a wide range of readers to satisfy the access control requirements of most environments. Our readers can work with virtually any access control system on the market, but they are specifically tested and qualified for use with SiPass systems.

Designed for easy installation and use, the SiPass reader portfolio includes technologies ranging from magnetic stripe to 125 kHz proximity, multi-purpose smart card technology, and Cotag technology. Each technology type includes at least one model with an integrated keypad to enable card-plus-PIN functionality, which is ideal for higher security applications.

Siemens' Cotag technology is unique on the market in that it provides both proximity and hands-free card reading in the same system. All Cotag readers can read both active (long-range) and passive (proximity) Cotag cards and tags, and both types of cards can be mixed in the same system to provide ultimate convenience and cost-efficiency.

The majority of SiPass readers support Siemens' advanced reader protocols – BC-Link or CerPass (RS485). The advantages of using these protocols include the ability to connect two readers to a single door controller, which simplifies the installation and reduces costs, and active monitoring of reader status, which enhances security.

Whichever type of SiPass readers you choose, you can be confident that they will significantly enhance security at your site(s).

Readers

System Compatibility Matrix

Reader		SiPass Entro Lite	SiPass Entro	SiPass integrated	SIPORT
	HF500-Cotag	■	■	■	
	BC5511-Cotag	■	■	■	
	BC5516-Cotag	■	■	■	
	PP500-Cotag	■	■	■	
	PR500-Cotag	■	■	■	
	SP500-Cotag	■	■	■	
	HD500-Cotag	■	■	■	
	PM500-Cotag	■	■	■	
	AR6181-MX			■	■
	AR6182-MX			■	■
	AR6181-MS			■	■
	AR6182-MS			■	■
	AR6381-MS			■	■
	AR6382-MS			■	■
	AR6111-MX	■	■	■	
	AR6201-MX			■	■

Reader		SiPass Entro Lite	SiPass Entro	SiPass integrated	SIPORT
	AR6181-RX			■	■
	AR6182-RX			■	■
	ARS6311-RX	■	■	■	
	AR6331-CP			■	■
	AR6332-CP			■	■
	PP500-EM	■	■	■	
	PR500-EM	■	■	■	
	SP500-EM	■	■	■	
	HD500-EM	■	■	■	
	PM500-EM	■	■	■	
	PD30-EM		■		
	PD40-EM		■		
	BC18	■	■		
	BC43	■	■		
	M43	■	■		



Type

Order No.

HF500-Cotag

Hands-free card reader

S24246-F4106-A1



The HF500-Cotag reads Siemens unique Cotag cards and tags (both active and passive) which offer ultimate convenience and cost-efficiency. It has a reading range of up to 109 cm with an active card and 34 cm with a passive card. It can read through concrete, wood, glass and many other materials, but not metal. Although it must be mounted indoors, it can also read cards presented from outside, if the environment permits. For outdoor installations, use the BC5511-Cotag.

System compatibility	SiPass Entro Lite, SiPass Entro, SiPass integrated
Interface to controller	Clock&Data or Wiegand
Operating voltage	10 to 35 VDC
Current consumption	200 mA @ 12V DC 100 mA @ 24V DC
Tamper switch	No
Card technology	Cotag
Card compatibility	IB911, IB928, IB958M, IB9611, IB968 & IB970
Card read distance	Up to 109 cm with IB928 (active card). Up to 34 cm with IB968 (passive card)
Indicators	3 x LED (red/yellow/green) 1 x Buzzer
Keypad	No
Operating temperature	0 to +50 °C
Environment	Indoor use only
IP rating	IP54
Housing	UV-resistant ABS plastic
Colour	Light grey
Dimensions (W x H x D)	220 x 265 x 29.3 mm
Weight	0.40 kg
Approval	CE
Accessories	None

Readers Cotag

Type

Order No.

BC5511-Cotag



Split-mounted hands-free card reader

The BC5511-Cotag is a hands-free card reader kit that consists of the BC5311 reader interface (mounted indoors) and the HF100 reader (mounted outdoors). It reads Siemens unique Cotag cards and tags (both active and passive) which offer ultimate convenience and cost-efficiency. It has a reading range of up to 112 cm with an active card and 35 cm with a passive card. It can read through concrete, wood, glass and many other materials, but not metal.

System compatibility	SiPass Entro Lite, SiPass Entro, SiPass integrated
Interface to controller	Clock&Data or Wiegand
Operating voltage	10 to 35 VDC
Current consumption	290 mA @ 12V DC 160 mA @ 24V DC
Tamper switch	No
Card technology	Cotag
Card compatibility	IB911, IB928, IB958M, IB9611, IB968 & IB970
Card read distance	Up to 112 cm with IB928 (active card). Up to 35 cm with IB968 (passive card)
Indicators	3 x LED (red/yellow/green) 1 x Buzzer [HF100]
Keypad	No
Operating temperature	-40 to +70 °C. (HF100) 0 to +50 °C (BC5311)
Environment	Indoor for the reader interface and outdoor for the reader
IP rating	IP55 [HF100]
Housing	UV-resistant ABS plastic
Colour	Light grey
Dimensions (W x H x D)	BC5311: 110 x 195 x 40 mm HF100: 220 x 265 x 29.3 mm
Weight	1.3 kg
Approval	CE
Accessories	None

S24246-F4701-A1



Type

Order No.

BC5516-Cotag

Split-mounted hands-free loop reader kit

S24246-F4702-A1



The BC5516-Cotag is a loop reader kit that consists of a BC270 loop coupler and a BC5311 reader interface. It reads Siemens unique Cotag cards and tags (active only) which offer ultimate convenience and cost-efficiency. It has a reading range of up to three meters depending of the construction of the loop.

The BC270 loop coupler allows simple wire-loop antennas to be used for applications such as access loops around doors and roadway loops for vehicle (AVI) systems. The transmit range is adjustable. It is easy to monitor TX and RX status via onboard LEDs.

The BC5311 reader interface allows Cotag technology reading heads to integrate into non-Cotag systems. Popular data interfaces ensure easy integration with most host systems.

System compatibility	SiPass Entro Lite, SiPass Entro, SiPass integrated
Interface to controller	Clock&Data or Wiegand
Operating voltage	10 to 35 VDC
Current consumption	300 mA @ 12V DC 160 mA @ 24V DC
Tamper switch	No
Card technology	Cotag
Card compatibility	IB911, IB928 & IB970
Card read distance	Up to 300 cm with active card, depending on loop construction
Indicators	None
Keypad	No
Operating temperature	-40 to +70 °C (BC270) 0 to +50 °C (BC5311)
Environment	Indoor for the reader interface. Indoor or outdoor for BC270
IP rating	IP66 [BC270]
Housing	UV-resistant ABS plastic
Colour	Light grey
Dimensions (W x H x D)	BC270: 80 x 160 x 56 mm BC5311: 110 x 195 x 40 mm
Weight	0.9 kg
Approval	CE
Accessories	None

Readers Cotag

Type

Order No.

PP500-Cotag



Heavy duty card and PIN reader

The PP500-Cotag reads Siemens unique Cotag cards and tags (both active and passive) which offer ultimate convenience and cost-efficiency. It has a reading range of up to 12 cm with an active card and up to 3 cm with a passive card. It has a position indicator light and an illuminated keypad which makes it easy to use in dark places. It also includes a tamper switch for enhanced security.

When BC-Link is used, two of these readers can be installed to control entries and exits using only one door controller. An additional benefit of BC-Link is that it supports online status monitoring.

System compatibility	SiPass Entro Lite, SiPass Entro, SiPass integrated
Interface to controller	BC-Link, Clock&Data or Wiegand
Operating voltage	12 to 24 VDC
Current consumption	39 mA @ 12 VDC 23 mA @ 24 VDC
Tamper switch	Yes
Card technology	Cotag
Card compatibility	IB911, IB928, IB958M, IB961 & IB968
Card read distance	Up to 12 cm with active card or 3 cm with passive card
Indicators	3 x LED (red/yellow/green) 1 x Buzzer
Keypad	Stainless steel keys 0-9, A, B
Operating temperature	-30 to +50 °C
Environment	Indoor or outdoor use
IP rating	IP54
Housing	Cast metal with stainless steel keys and security lock
Colour	Grey
Dimensions (W x H x D)	80 x 140 x 40 mm
Weight	1.35 kg
Approval	CE
Accessories	SH2 rain cover IS391 spy-proof cover BB3 flush-mounting kit

S54501-F1-A2



Type

Order No.

PR500-Cotag

Card reader

S24246-F4706-A1



The PR500-Cotag reads Siemens unique Cotag cards and tags (both active and passive) which offer ultimate convenience and cost-efficiency. It has a reading range of up to 32 cm with an active card and 10 cm with a passive card. The PR500-Cotag has a slim and compact design and blends in well in many environments.

When BC-Link is used, two of these readers can be installed to control entries and exits using only one door controller. An additional benefit of BC-Link is that it supports online status monitoring.

System compatibility	SiPass Entro Lite, SiPass Entro, SiPass integrated
Interface to controller	BC-Link, Clock&Data or Wiegand
Operating voltage	10.6 to 32 VDC
Current consumption	36 mA @ 12 VDC 36 mA @ 24 VDC
Tamper switch	No
Card technology	Cotag
Card compatibility	IB911, IB928, IB958M, IB961 & IB968
Card read distance	Up to 32 cm with active card. Up to 10 cm with passive card
Indicators	3 x LED (red/yellow/green) 1 x Buzzer
Keypad	No
Operating temperature	-30 to +50 °C
Environment	Indoor or outdoor use
IP rating	IP55
Housing	ABS base with clip on ABS front cover
Colour	White
Dimensions (W x H x D)	40 x 140 x 18.5 mm
Weight	0.11 kg
Approval	CE
Accessories	BB6 flush-mounting kit

Readers Cotag

Type

Order No.

SP500-Cotag



Switch-plate card reader

The SP500-Cotag reads Siemens unique Cotag cards and tags (both active and passive) which offer ultimate convenience and cost-efficiency. It has a reading range of up to 29 cm with an active card and 9 cm with a passive card. Its compact, square design makes it easy to mount in most single-gang back-boxes.

When BC-Link is used, two of these readers can be installed to control entries and exits using only one door controller. An additional benefit of BC-Link is that it supports online status monitoring.

System compatibility	SiPass Entro Lite, SiPass Entro, SiPass integrated
Interface to controller	BC-Link, Clock&Data or Wiegand
Operating voltage	10.6 to 32 VDC
Current consumption	32 mA @ 12 VDC 34 mA @ 24 VDC
Tamper switch	No
Card technology	Cotag
Card compatibility	IB911, IB928, IB958M, IB961 & IB968
Card read distance	Up to 29 cm with active card. Up to 9 cm with passive card
Indicators	3 x LED (red/yellow/green) 1 x Buzzer
Keypad	No
Operating temperature	-30 to +50 °C
Environment	Indoor or outdoor use
IP rating	IP55
Housing	ABS base houses fully encapsulated electronics, clip-on ABS front cover
Colour	White
Dimensions (W x H x D)	86 x 86 x 14 mm
Weight	0.14 kg
Approval	CE
Accessories	None

S24246-F4704-A1

Readers Cotag



Type

Order No.

HD500-Cotag



Heavy duty card reader

The HD500-Cotag reads Siemens unique Cotag cards and tags (both active and passive) which offer ultimate convenience and cost-efficiency. It has a reading range of up to 26 cm with an active card and up to 8 cm with a passive card.

Vandal-proof and fire-resistant, the HD500-Cotag is popular both in vulnerable locations and modern office environments.

When BC-Link is used, two of these readers can be installed to control entries and exits using only one door controller. An additional benefit of BC-Link is that it supports online status monitoring.

System compatibility	SiPass Entro Lite, SiPass Entro, SiPass integrated
Interface to controller	BC-Link, Clock&Data or Wiegand
Operating voltage	10.6 to 32 VDC
Current consumption	37 mA @ 12 VDC 39 mA @ 24 VDC
Tamper switch	No
Card technology	Cotag
Card compatibility	IB911, IB928, IB958M, IB961 & IB968
Card read distance	Up to 26 cm with active card. Up to 8 cm with passive card
Indicators	3 x LED (red/yellow/green) 1 x Buzzer
Keypad	No
Operating temperature	-30 to +50 °C
Environment	Indoor or outdoor use
IP rating	IP65
Housing	Polycarbonate case, fully encapsulated electronics, stainless steel outer frame
Colour	Black and stainless steel
Dimensions (W x H x D)	100 x 128 x 18 mm
Weight	0.24 kg
Approval	CE
Accessories	None

S24246-F4703-A1

Readers Cotag

Type

Order No.

PM500-Cotag



Panel mounted card reader

The PM500-Cotag reads Siemens unique Cotag cards and tags (both active and passive) which offer ultimate convenience and cost-efficiency. The PM500-Cotag is designed to fit most remote call point enclosures. It is supplied with a custom-machined perspex front panel for increased aesthetic appeal. It has a reading range of up to 23 cm with an active card and 8 cm with a passive card.

When BC-Link is used, two of these readers can be installed to control entries and exits using only one door controller. An additional benefit of BC-Link is that it supports online status monitoring.

System compatibility	SiPass Entro Lite, SiPass Entro, SiPass integrated
Interface to controller	BC-Link, Clock&Data or Wiegand
Operating voltage	10.6 to 32 VDC
Current consumption	33 mA @ 12V DC 35 mA @ 24V DC
Tamper switch	No
Card technology	Cotag
Card compatibility	IB911, IB928, IB958M, IB961 & IB968
Card read distance	Up to 23 cm with active card. Up to 8 cm with passive card
Indicators	3 x LED (red/yellow/green) 1 x Buzzer
Keypad	No
Operating temperature	-30 to +50 °C
Environment	Indoor or outdoor use
IP rating	IP55
Housing	High impact polycarbonate outer casing, with encapsulated electronics
Colour	Black
Dimensions (W x H x D)	68 x 73 x 13.5 mm
Weight	0.15 kg
Approval	CE
Accessories	None

S24246-F4705-A1

Readers

Smart Card 13.56 MHz



Type

Order No.

AR6181-MX

Multi-technology card reader

6FL7170-8BK




The AR6181-MX can read a variety of different smart card variants (see details below). The smart two-part construction of this reader makes it very easy to mount. It is supplied with a surface mounting frame.

System compatibility	SiPass integrated, SIPORT
Interface to controller	RS485 monitored CerPass/UCI protocol. Clock&Data or Wiegand
Operating voltage	12 to 24 VDC ±15 %
Current consumption	165 mA @ 12 VDC 80 mA @ 24 VDC
Tamper switch	No
Card technology	Mifare Classic 1k & 4k (CSN, S/B, MAD); DESfire (CSN); Mifare Ultra-Light & my-D prox (CSN, B); STM LRI512, my-C, my-D vic, I-Code SLI, Tag-IT HFI (CSN)
Card compatibility	ABP5100-PR ABP5100-BL
Card read distance	Up to 7 cm
Indicators	1 x LED (red/yellow/green) 1 x Buzzer
Keypad	No
Operating temperature	-20 to +60 °C
Environment	Indoor or outdoor use
IP rating	IP65
Housing	PC/ABS plastic
Colour	Silver (RAL9006)
Dimensions (W x H x D)	With surface mounting frame: 85.5 x 91 x 40 mm W/o surface mounting frame: 85.5 x 91 x 23 mm
Weight	0.25 kg
Approval	CE, FCC, UL
Accessories	SH1 universal rain cover

Readers

Smart Card 13.56 MHz

Type	Order No.
AR6182-MX	6FL7170-8BL
	<p data-bbox="392 331 767 353">Multi-technology card and PIN reader</p> <p data-bbox="392 376 1050 450">The AR6182-MX can read a variety of different smart card variants (see details below). The smart two-part construction of this reader makes it very easy to mount. It is supplied with a surface mounting frame.</p> <p data-bbox="392 495 1050 595">System compatibility SiPass integrated, SIPORT Interface to controller RS485 monitored CerPass/UCI protocol. Clock&Data or Wiegand</p> <p data-bbox="392 607 1050 651">Operating voltage 12 to 24 VDC ±15 %</p> <p data-bbox="392 663 1050 707">Current consumption 165 mA @ 12V DC 80 mA @ 24V DC</p> <p data-bbox="392 719 1050 741">Tamper switch No</p> <p data-bbox="392 752 1050 875">Card technology Mifare Classic 1k & 4k (CSN, S/B, MAD); DESfire (CSN); Mifare Ultra-Light & my-D proximity (CSN, B); STM LRI512, my-C, my-D vic, I-Code SLI, Tag-IT HFI (CSN)</p> <p data-bbox="392 887 1050 931">Card compatibility ABP5100-PR ABP5100-BL</p> <p data-bbox="392 943 1050 965">Card read distance Up to 7 cm</p> <p data-bbox="392 976 1050 1021">Indicators 1 x LED (red/yellow/green) 1 x Buzzer</p> <p data-bbox="392 1032 1050 1111">Keypad Membrane keyboard Keys 0-9,C,E > 1,000,000 operations</p> <p data-bbox="392 1122 1050 1144">Operating temperature -20 to +60 °C</p> <p data-bbox="392 1155 1050 1178">Environment Indoor or outdoor use</p> <p data-bbox="392 1189 1050 1211">IP rating IP65</p> <p data-bbox="392 1223 1050 1245">Housing PC/ABS plastic</p> <p data-bbox="392 1256 1050 1279">Colour Silver (RAL9006)</p> <p data-bbox="392 1290 1050 1368">Dimensions (W x H x D) With surface mounting frame: 85.5 x 91 x 40 mm W/o surface mounting frame: 85.5 x 91 x 23 mm</p> <p data-bbox="392 1379 1050 1402">Weight 0.22 kg</p> <p data-bbox="392 1413 1050 1435">Approval CE, FCC, UL</p> <p data-bbox="392 1447 1050 1469">Accessories SH1 universal rain cover</p>

Readers

Smart Card 13.56 MHz



Type

Order No.

AR6181-MS

Card reader

The AR6181-MS can read Mifare Classic 1k and 4k cards (CSN or sector/block). It is designed to fit most standard square flush-mounting boxes. It is supplied with a surface mounting frame.




System compatibility	SiPass integrated, SIPORT
Interface to controller	RS485 monitored CerPass/UCI protocol. Clock&Data or Wiegand
Operating voltage	12 to 24 VDC ±15 %
Current consumption	64 mA @ 12V DC 34 mA @ 24V DC
Tamper switch	No
Card technology	Mifare Classic 1k & 4k (CSN, sector/block)
Card compatibility	ABP5100-PR ABP5100-BL
Card read distance	Up to 4 cm
Indicators	3 x LED (red/yellow/green) 1 x Buzzer
Keypad	No
Operating temperature	-20 to +70 °C
Environment	Indoor or outdoor use
IP rating	IP65
Housing	PC/ABS plastic
Colour	Silver (RAL9006)
Dimensions (W x H x D)	With surface mounting frame: 85.5 x 91 x 40 mm W/o surface mounting frame: 85.5 x 91 x 23 mm
Weight	0.20 kg
Approval	CE
Accessories	SH1 universal rain cover

6FL7170-8AH

Readers

Smart Card 13.56 MHz

Type			Order No.
AR6182-MS	Card and PIN reader	6FL7170-8AJ	
	<p>The AR6182-MS can read Mifare Classic 1k and 4k cards (CSN or sector/block). It is designed to fit most standard square flush-mounting boxes. It is supplied with a surface mounting frame.</p>		
	<p>System compatibility Interface to controller</p>	<p>SiPass integrated, SIPORT RS485 monitored CerPass/UCI protocol. Clock&Data or Wiegand</p>	
	<p>Operating voltage</p>	<p>12 to 24 VDC ±15 %</p>	
	<p>Current consumption</p>	<p>64 mA @ 12V DC 34 mA @ 24V DC</p>	
	<p>Tamper switch</p>	<p>No</p>	
	<p>Card technology</p>	<p>Mifare Classic 1k & 4k (CSN, sector/block)</p>	
	<p>Card compatibility</p>	<p>ABP5100-PR ABP5100-BL</p>	
	<p>Card read distance</p>	<p>Up to 4 cm</p>	
	<p>Indicators</p>	<p>3 x LED (red/yellow/green) 1 x Buzzer</p>	
	<p>Keypad</p>	<p>Yes, > 1,000,000 operations</p>	
	<p>Operating temperature</p>	<p>-20 to +70 °C</p>	
	<p>Environment</p>	<p>Indoor or outdoor use</p>	
	<p>IP rating</p>	<p>IP65</p>	
	<p>Housing</p>	<p>PC/ABS plastic</p>	
	<p>Colour</p>	<p>Silver (RAL9006)</p>	
	<p>Dimensions (W x H x D)</p>	<p>With surface mounting frame: 85.5 x 91 x 40 mm W/o surface mounting frame: 85.5 x 91 x 23 mm</p>	
	<p>Weight</p>	<p>0.20 kg</p>	
	<p>Approval</p>	<p>CE</p>	
	<p>Accessories</p>	<p>SH1 universal rain cover</p>	

Readers

Smart Card 13.56 MHz



Type

Order No.

AR6381-MS

Card reader

The AR6381-MS can read Mifare Classic 1k and 4k cards (CSN or sector/block). Its sleek mullion design makes it very popular in modern office environments.




System compatibility	SiPass integrated, SIPORT
Interface to controller	RS485 monitored CerPass/UCI protocol. Clock&Data or Wiegand
Operating voltage	7 to 12.25 VDC
Current consumption	127 mA @ 12V DC
Tamper switch	No
Card technology	Mifare Classic 1k & 4k (CSN, sector/block)
Card compatibility	ABP5100-PR ABP5100-BL
Card read distance	Up to 4 cm
Indicators	3 x LED (red/yellow/green) 1 x Buzzer
Keypad	No
Operating temperature	-20 to +70 °C
Environment	Indoor or outdoor use
IP rating	IP65
Housing	PC/ABS plastic
Colour	Silver (RAL9006)
Dimensions (W x H x D)	48 x 147 x 30 mm
Weight	0.20 kg
Approval	CE
Accessories	SH1 universal rain cover

6FL7171-8AK

Readers

Smart Card 13.56 MHz

Type			Order No.
AR6382-MS	Card and PIN reader		6FL7171-8AL
	<p>The AR6382-MS can read Mifare Classic 1k and 4k cards (CSN or sector/block). Its sleek mullion design makes it very popular in modern office environments.</p>		
	<p>System compatibility Interface to controller</p>	<p>SiPass integrated, SIPORT RS485 monitored CerPass/UCI protocol. Clock&Data or Wiegand</p>	
	<p>Operating voltage Current consumption Tamper switch Card technology</p>	<p>7 to 12.25 VDC 127 mA @ 12V DC No Mifare Classic 1k & 4k (CSN, sector/block)</p>	
	<p>Card compatibility</p>	<p>ABP5100-PR ABP5100-BL</p>	
	<p>Card read distance Indicators</p>	<p>Up to 4 cm 3 x LED (red/yellow/green) 1 x Buzzer</p>	
	<p>Keypad Operating temperature Environment</p>	<p>Yes, > 1,000,000 operations -20 to +70° C Indoor or outdoor use</p>	
	<p>IP rating Housing</p>	<p>IP65 PC/ABS plastic</p>	
	<p>Colour Dimensions (W x H x D)</p>	<p>Silver (RAL9006) 48 x 147 x 30 mm</p>	
	<p>Weight</p>	<p>0.20 kg</p>	
	<p>Approval</p>	<p>CE</p>	
	<p>Accessories</p>	<p>SH1 universal rain cover</p>	

Readers

Smart Card 13.56 MHz



Type

Order No.

AR6111-MX

Card reader




The AR6111-MX is an economical card reader that can read the card serial number of a variety of different smart card variants (see details below). The configuration of this reader can be changed with a configuration card.

System compatibility	SiPass Entro Lite, SiPass Entro, SiPass integrated
Interface to controller	Clock&Data or Wiegand
Operating voltage	9 to 15 VDC
Tamper switch	No
Current consumption	80 mA @ 12 VDC
Card technology	Mifare Classic 1k & 4k, Mifare Ultra-Light, my-D proximity, my-C, my-D vicinity, I-Code SLI, Tag-IT HFI, STM LRI512 (all CSN)
Card compatibility	ABP5100-PR ABP5100-BL
Card read distance	Up to 7 cm
Indicators	2 x LED (red/green) 1 x Buzzer
Keypad	No
Operating temperature	-25 to +60° C
Environment	Indoor or outdoor use
IP rating	IP65
Housing	Synthetic ABS/PBT
Colour	Silver (RAL9006)
Dimensions (W x H x D)	76 x 120 x 17 mm
Weight	0.20 kg
Approval	CE, FCC, UL
Accessories	SH1 universal rain cover

6FL7170-8DK

Readers

Smart Card 13.56 MHz

Type	Order No.																																				
AR6201-MX 	6FL7170-8CK																																				
<p>Enrolment reader</p> <p>The AR6201-MX is designed to read and write a variety of different smart card variants (see details below). It is supplied with an external power supply and an RS232 serial interface, which enables it to be connected to a PC.</p> <table border="0"> <tr> <td>System compatibility</td> <td>SiPass integrated, SIPOINT</td> </tr> <tr> <td>Interface to controller</td> <td>RS232 interface for connection to a personal computer</td> </tr> <tr> <td>Operating voltage</td> <td>Power supply included</td> </tr> <tr> <td>Tamper switch</td> <td>No</td> </tr> <tr> <td>Card technology</td> <td>Mifare Classic 1k & 4k, Mifare Ultra-Light, my-D proximity, my-C, my-D vicinity, I-Code SLI, I-Code1, I-Code EPC, Tag-IT HFI, LRI512</td> </tr> <tr> <td>Card compatibility</td> <td>ABP5100-PR ABP5100-BL</td> </tr> <tr> <td>Card read distance</td> <td>Up to 7 cm</td> </tr> <tr> <td>Indicators</td> <td>1 x LED (red/yellow/green) 1 x Buzzer</td> </tr> <tr> <td>Keypad</td> <td>No</td> </tr> <tr> <td>Operating temperature</td> <td>-25 to +60 °C</td> </tr> <tr> <td>Environment</td> <td>Indoor use only</td> </tr> <tr> <td>IP rating</td> <td>IP22</td> </tr> <tr> <td>Housing</td> <td>PC/ABS plastic</td> </tr> <tr> <td>Colour</td> <td>Silver (RAL9006)</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>85.5 x 91 x 40 mm</td> </tr> <tr> <td>Weight</td> <td>0.20 kg</td> </tr> <tr> <td>Approval</td> <td>CE, FCC</td> </tr> <tr> <td>Accessories</td> <td>None</td> </tr> </table>	System compatibility	SiPass integrated, SIPOINT	Interface to controller	RS232 interface for connection to a personal computer	Operating voltage	Power supply included	Tamper switch	No	Card technology	Mifare Classic 1k & 4k, Mifare Ultra-Light, my-D proximity, my-C, my-D vicinity, I-Code SLI, I-Code1, I-Code EPC, Tag-IT HFI, LRI512	Card compatibility	ABP5100-PR ABP5100-BL	Card read distance	Up to 7 cm	Indicators	1 x LED (red/yellow/green) 1 x Buzzer	Keypad	No	Operating temperature	-25 to +60 °C	Environment	Indoor use only	IP rating	IP22	Housing	PC/ABS plastic	Colour	Silver (RAL9006)	Dimensions (W x H x D)	85.5 x 91 x 40 mm	Weight	0.20 kg	Approval	CE, FCC	Accessories	None	P24246-P4400-A1
System compatibility	SiPass integrated, SIPOINT																																				
Interface to controller	RS232 interface for connection to a personal computer																																				
Operating voltage	Power supply included																																				
Tamper switch	No																																				
Card technology	Mifare Classic 1k & 4k, Mifare Ultra-Light, my-D proximity, my-C, my-D vicinity, I-Code SLI, I-Code1, I-Code EPC, Tag-IT HFI, LRI512																																				
Card compatibility	ABP5100-PR ABP5100-BL																																				
Card read distance	Up to 7 cm																																				
Indicators	1 x LED (red/yellow/green) 1 x Buzzer																																				
Keypad	No																																				
Operating temperature	-25 to +60 °C																																				
Environment	Indoor use only																																				
IP rating	IP22																																				
Housing	PC/ABS plastic																																				
Colour	Silver (RAL9006)																																				
Dimensions (W x H x D)	85.5 x 91 x 40 mm																																				
Weight	0.20 kg																																				
Approval	CE, FCC																																				
Accessories	None																																				
ASB6201	<p>ConfigCard Creation Tool</p> <p>ConfigCard Creation Tool (ASB6201) is a software program that can be used to produce configuration cards to change the parameters of readers that support multiple card technologies, namely our AR6181-MX, AR6182-MX and AR6111-MX readers. Please note that producing a configuration card (a.k.a. ConfigCard) requires both the ConfigCard Creation Tool and an AR6201-MX enrolment reader. (The AR6201-MX must be ordered separately.)</p> <p>A standard Mifare card (1K or 4K) is typically used as a ConfigCard for AR6181-MX or AR6182-MX readers. A 4-byte transponder with ISO15693 block size, such as a I-Code SLI, my-d vicinity or Tag-it HF-I, is typically used as a ConfigCard for AR6111-MX readers.</p> <p>The software has the following features:</p> <ul style="list-style-type: none"> • Windows-style design for simple use • A variety of parameter combinations to meet different customer requirements • Regular storage of data files, either in XML or CCT format • Export data to a text file to improve understanding • Ability to read Mifare cards with factory default keys and pre-defined keys • Can program ISO14443A cards and ISO15693 cards <table border="0"> <tr> <td>PC operating system</td> <td>Windows XP, Windows 2000</td> </tr> <tr> <td>Communication</td> <td>COM port</td> </tr> <tr> <td>Hard disk capacity</td> <td>Min. 25 MB</td> </tr> </table>	PC operating system	Windows XP, Windows 2000	Communication	COM port	Hard disk capacity	Min. 25 MB																														
PC operating system	Windows XP, Windows 2000																																				
Communication	COM port																																				
Hard disk capacity	Min. 25 MB																																				

Readers

Proximity 125 kHz



Type

Order No.

AR6181-RX

Multi-technology card reader

6FL7170-8AD




The AR6181-RX can read the unique card number of EM4102 (also known as Miro or UNIQUE 125 kHz), Siemens Prox, Hitag 1 and Hitag 2 proximity cards. It can also read the personalised ID number of Hitag 1 and Hitag 2 cards. The smart two-part construction of this reader makes it very easy to mount. It is supplied with a surface mounting frame.

System compatibility	SiPass integrated, SIPOINT
Interface to controller	RS485 monitored CerPass/UCL protocol, Clock&Data or Wiegand
Operating voltage	12 to 24 VDC
Current consumption	145 mA @ 12 VDC 75 mA @ 24 VDC
Tamper switch	No
Card technology	EM4102 (also known as Miro or UNIQUE 125 KHz), Siemens Prox, Hitag 1 and Hitag 2
Card compatibility	ABR5100-PR ABR5100-BL ABR5100-TG
Card read distance	7 cm (approx.)
Indicators	1 x LED (red/yellow/green) 1 x buzzer
Keypad	No
Operating temperature	-25 to +70 °C
Environment	Indoor or outdoor use
IP rating	IP65
Housing	PC/ABS plastic
Colour	Silver (RAL9006)
Dimensions (W x H x D)	With surface mounting frame: 85.5 x 91 x 40 mm W/o surface mounting frame: 85.5 x 91 x 23 mm
Weight	0.30 kg
Approval	CE

Readers

Proximity 125 kHz

Type	Order No.																																										
AR6182-RX	6FL7170-8AE																																										
	<p data-bbox="392 331 767 353">Multi-technology card and PIN reader</p> <p data-bbox="392 376 1050 506">The AR6182-RX can read the unique card number of EM4102 (also known as Miro or UNIQUE 125 kHz), Siemens Prox, Hitag 1 and Hitag 2 proximity cards. It can also read the personalised ID number of Hitag 1 and Hitag 2 cards. The smart two-part construction of this reader makes it very easy to mount. It is supplied with a surface mounting frame.</p> <table data-bbox="392 546 1050 1435"> <tr> <td data-bbox="392 546 703 600">System compatibility</td> <td data-bbox="719 546 1050 568">SiPass integrated, SIPOINT</td> </tr> <tr> <td data-bbox="392 577 703 609">Interface to controller</td> <td data-bbox="719 577 1050 631">RS485 monitored CerPass/UCI protocol, Clock&Data or Wiegand</td> </tr> <tr> <td data-bbox="392 636 703 667">Operating voltage</td> <td data-bbox="719 636 1050 658">12 to 24 VDC</td> </tr> <tr> <td data-bbox="392 667 703 698">Current consumption</td> <td data-bbox="719 667 1050 689">145 mA @ 12V DC</td> </tr> <tr> <td data-bbox="392 698 703 721"></td> <td data-bbox="719 698 1050 721">75 mA @ 24V DC</td> </tr> <tr> <td data-bbox="392 725 703 748">Tamper switch</td> <td data-bbox="719 725 1050 748">No</td> </tr> <tr> <td data-bbox="392 757 703 788">Card technology</td> <td data-bbox="719 757 1050 833">EM4102 (also known as Miro or UNIQUE 125 KHz), Siemens Prox, Hitag 1 and Hitag 2</td> </tr> <tr> <td data-bbox="392 837 703 860">Card compatibility</td> <td data-bbox="719 837 1050 913">ABR5100-PR ABR5100-BL ABR5100-TG</td> </tr> <tr> <td data-bbox="392 918 703 940">Card read distance</td> <td data-bbox="719 918 1050 940">7 cm (approx.)</td> </tr> <tr> <td data-bbox="392 949 703 972">Indicators</td> <td data-bbox="719 949 1050 972">1 x LED (red/yellow/green)</td> </tr> <tr> <td data-bbox="392 981 703 1003"></td> <td data-bbox="719 981 1050 1003">1 x buzzer</td> </tr> <tr> <td data-bbox="392 1012 703 1034">Keypad</td> <td data-bbox="719 1012 1050 1088">Membrane keyboard Keys 0-9,C,E > 1,000,000 operations</td> </tr> <tr> <td data-bbox="392 1093 703 1115">Operating temperature</td> <td data-bbox="719 1093 1050 1115">-25 to +70 °C</td> </tr> <tr> <td data-bbox="392 1124 703 1146">Environment</td> <td data-bbox="719 1124 1050 1146">Indoor or outdoor use</td> </tr> <tr> <td data-bbox="392 1155 703 1178">IP rating</td> <td data-bbox="719 1155 1050 1178">IP65</td> </tr> <tr> <td data-bbox="392 1187 703 1209">Housing</td> <td data-bbox="719 1187 1050 1209">PC/ABS plastic</td> </tr> <tr> <td data-bbox="392 1218 703 1240">Colour</td> <td data-bbox="719 1218 1050 1240">Silver (RAL9006)</td> </tr> <tr> <td data-bbox="392 1249 703 1272">Dimensions (W x H x D)</td> <td data-bbox="719 1249 1050 1348">With surface mounting frame: 85.5 x 91 x 40 mm W/o surface mounting frame: 85.5 x 91 x 23 mm</td> </tr> <tr> <td data-bbox="392 1352 703 1375">Weight</td> <td data-bbox="719 1352 1050 1375">0.30 kg</td> </tr> <tr> <td data-bbox="392 1384 703 1406">Approval</td> <td data-bbox="719 1384 1050 1406">CE</td> </tr> <tr> <td data-bbox="392 1415 703 1438">Accessories</td> <td data-bbox="719 1415 1050 1438">SH1 universal rain cover</td> </tr> </table>	System compatibility	SiPass integrated, SIPOINT	Interface to controller	RS485 monitored CerPass/UCI protocol, Clock&Data or Wiegand	Operating voltage	12 to 24 VDC	Current consumption	145 mA @ 12V DC		75 mA @ 24V DC	Tamper switch	No	Card technology	EM4102 (also known as Miro or UNIQUE 125 KHz), Siemens Prox, Hitag 1 and Hitag 2	Card compatibility	ABR5100-PR ABR5100-BL ABR5100-TG	Card read distance	7 cm (approx.)	Indicators	1 x LED (red/yellow/green)		1 x buzzer	Keypad	Membrane keyboard Keys 0-9,C,E > 1,000,000 operations	Operating temperature	-25 to +70 °C	Environment	Indoor or outdoor use	IP rating	IP65	Housing	PC/ABS plastic	Colour	Silver (RAL9006)	Dimensions (W x H x D)	With surface mounting frame: 85.5 x 91 x 40 mm W/o surface mounting frame: 85.5 x 91 x 23 mm	Weight	0.30 kg	Approval	CE	Accessories	SH1 universal rain cover
System compatibility	SiPass integrated, SIPOINT																																										
Interface to controller	RS485 monitored CerPass/UCI protocol, Clock&Data or Wiegand																																										
Operating voltage	12 to 24 VDC																																										
Current consumption	145 mA @ 12V DC																																										
	75 mA @ 24V DC																																										
Tamper switch	No																																										
Card technology	EM4102 (also known as Miro or UNIQUE 125 KHz), Siemens Prox, Hitag 1 and Hitag 2																																										
Card compatibility	ABR5100-PR ABR5100-BL ABR5100-TG																																										
Card read distance	7 cm (approx.)																																										
Indicators	1 x LED (red/yellow/green)																																										
	1 x buzzer																																										
Keypad	Membrane keyboard Keys 0-9,C,E > 1,000,000 operations																																										
Operating temperature	-25 to +70 °C																																										
Environment	Indoor or outdoor use																																										
IP rating	IP65																																										
Housing	PC/ABS plastic																																										
Colour	Silver (RAL9006)																																										
Dimensions (W x H x D)	With surface mounting frame: 85.5 x 91 x 40 mm W/o surface mounting frame: 85.5 x 91 x 23 mm																																										
Weight	0.30 kg																																										
Approval	CE																																										
Accessories	SH1 universal rain cover																																										

Readers

Proximity 125 kHz



Type

Order No.

ARS6311-RX



Card reader

The ARS6311-RX is a compact and economical reader designed for use with all SiPass systems. In combination with the AC6311 I/O board, it can also be used in standalone mode.

System compatibility	SiPass Entro Lite, SiPass Entro, SiPass integrated
Interface to controller	Clock&Data and Wiegand (26/34/42 bit)
Operating voltage	10 to 16 VDC
Current consumption	32 mA @ 12V DC
Tamper switch	Yes
Card technology	EM4102 (also known as Miro or UNIQUE 125 KHz), Siemens Prox
Card compatibility	ABR5100-PR ABR5100-BL ABR5100-TG
Card read distance	12 cm (approx.)
Indicators	3 x LED (red/yellow/green) 1 x Buzzer
Keypad	No
Operating temperature	-25 to +60 °C
Environment	Indoor or outdoor use
IP rating	IP65
Housing	ABS plastic
Colour	Silver (RAL9006)
Dimensions (W x H x D)	40 x 100 x 25 mm
Weight	0.30 kg
Approval	CE
Accessories	SH1 universal rain cover

S24246-Z3900-A1

Readers

Proximity 125 kHz

Type

Order No.

AR6331-CP



Card reader

The AR6331-CP reads Siemens Prox card technology. The smart two-part construction of this reader makes it very easy to mount. It includes a tamper switch for enhanced security.

System compatibility	SiPass integrated, SIPORT
Interface to controller	RS485 monitored CerPass protocol
Operating voltage	12 VDC ±20 %
Current consumption	35 mA @ 12V DC
Tamper switch	Yes
Card technology	Siemens Prox
Card compatibility	ABR5100-PR ABR5100-BL ABR5100-TG
Card read distance	7 cm (approx.)
Indicators	3 x LED (red/yellow/green) 1 x Buzzer
Keypad	No
Operating temperature	-10 to +55 °C
Environment	Indoor or outdoor use
IP rating	IP65
Housing	PC/ABS plastic
Colour	Silver (RAL9006)
Dimensions (W x H x D)	48 x 147 x 30 mm
Weight	0.20 kg
Approval	CE
Accessories	SH1 universal rain cover

6FL7171-8AD

Readers

Proximity 125 kHz



Type

Order No.

AR6332-CP

Card and PIN reader

The AR6332-CP reads Siemens Prox card technology. The smart two-part construction of this reader makes it very easy to mount. It includes a tamper switch for enhanced security.



System compatibility	SiPass integrated, SIPORT
Interface to controller	RS485 monitored CerPass protocol
Operating voltage	12 VDC ±20 %
Current consumption	35 mA @ 12V DC
Tamper switch	Yes
Card technology	Siemens Prox
Card compatibility	ABR5100-PR ABR5100-BL ABR5100-TG
Card read distance	7 cm (approx.)
Indicators	3 x LED (red/yellow/green) 1 x Buzzer
Keypad	Membrane keypad Keys 0-9,C,E
Operating temperature	-10 to +55 °C
Environment	Indoor or outdoor use
IP rating	IP65
Housing	PC/ABS plastic
Colour	Silver (RAL9006)
Dimensions (W x H x D)	48 x 147 x 30 mm
Weight	0.20 kg
Approval	CE
Accessories	SH1 universal rain cover

6FL7171-8AE

Readers

Proximity 125 kHz

Type

Order No.

PP500-EM



Heavy-duty card and PIN reader

The PP500-EM reads EM4102 cards (also known as Miro or UNIQUE 125 kHz). It has a position indicator light and an illuminated keypad which makes it easy to use in dark places. It also includes a tamper switch for enhanced security.

When BC-Link is used, two of these readers can be installed to control entries and exits using only one door controller. An additional benefit of BC-Link is that it supports online status monitoring.

System compatibility	SiPass Entro Lite, SiPass Entro, SiPass integrated
Interface to controller	BC-Link, Clock&Data or Wiegand
Operating voltage	12 to 24 VDC
Current consumption	30 mA @ 12 VDC 17 mA @ 24 VDC
Tamper switch	Yes
Card technology	EM4102 (also known as Miro or UNIQUE 125 KHz)
Card compatibility	IB41-EM, IB42-EM IB44-EM, IB45-EM
Card read distance	Up to 5 cm
Indicators	3 x LED (red/yellow/green) 1 x Buzzer
Keypad	Stainless steel keys 0-9, A, B
Operating temperature	-30 to +50 °C
Environment	Indoor or outdoor use
IP rating	IP54
Housing	Cast metal with stainless steel keys and security lock
Colour	Grey
Dimensions (W x H x D)	80 x 140 x 40 mm
Weight	1.35 kg
Approval	CE
Accessories	SH2 rain cover IS391 spy-proof cover BB3 flush-mounting kit

S54501-F1-A1

Readers

Proximity 125 kHz



Type

Order No.

HD500-EM

Heavy-duty card reader

The HD500-EM reads EM4102 cards (also known as Miro or UNIQUE 125 kHz).

Vandal-proof and fire-resistant, it is popular both in vulnerable locations and modern office environments.

When BC-Link is used, two of these readers can be installed to control entries and exits using only one door controller. An additional benefit of BC-Link is that it supports online status monitoring.



System compatibility	SiPass Entro Lite, SiPass Entro, SiPass integrated
Interface to controller	BC-Link, Clock&Data or Wiegand
Operating voltage	10.6 to 32 VDC
Current consumption	20 mA @ 12V DC 22 mA @ 24V DC
Tamper switch	No
Card technology	EM4102 (also known as Miro or UNIQUE 125 KHz)
Card compatibility	IB41-EM, IB42-EM IB44-EM, IB45-EM
Card read distance	Up to 6 cm
Indicators	3 x LED (red/yellow/green) 1 x Buzzer
Keypad	No
Operating temperature	-30 to +50 °C
Environment	Indoor or outdoor use
IP rating	IP65
Housing	Polycarbonate case, fully encapsulated electronics, stainless steel outer frame
Colour	Black and stainless steel
Dimensions (W x H x D)	100 x 128 x 18 mm
Weight	0.24 kg
Approval	CE
Accessories	None

S24246-F3901-A1

Readers

Proximity 125 kHz

Type	Order No.																																						
PR500-EM	S24246-F3913-A1																																						
	<p>Card reader</p> <p>The PR500-EM reads EM4102 cards (also known as Miro or UNIQUE 125 kHz). It has slim and compact design and blends in well in many environments.</p> <p>When BC-Link is used, two of these readers can be installed to control entries and exits using only one door controller. An additional benefit of BC-Link is that it supports online status monitoring.</p> <table border="0"> <tr> <td>System compatibility</td> <td>SiPass Entro Lite, SiPass Entro, SiPass integrated</td> </tr> <tr> <td>Interface to controller</td> <td>BC-Link, Clock&Data or Wiegand</td> </tr> <tr> <td>Operating voltage</td> <td>10.6 to 32 VDC</td> </tr> <tr> <td>Current consumption</td> <td>22 mA @ 12V DC 25 mA @ 24V DC</td> </tr> <tr> <td>Tamper switch</td> <td>No</td> </tr> <tr> <td>Card technology</td> <td>EM4102 (also known as Miro or UNIQUE 125 KHz)</td> </tr> <tr> <td>Card compatibility</td> <td>IB41-EM, IB42-EM IB44-EM, IB45-EM</td> </tr> <tr> <td>Card read distance</td> <td>Up to 10 cm</td> </tr> <tr> <td>Indicators</td> <td>3 x LED (red/yellow/green) 1 x Buzzer</td> </tr> <tr> <td>Keypad</td> <td>No</td> </tr> <tr> <td>Operating temperature</td> <td>-30 to +50 °C</td> </tr> <tr> <td>Environment</td> <td>Indoor or outdoor use</td> </tr> <tr> <td>IP rating</td> <td>IP55</td> </tr> <tr> <td>Housing</td> <td>ABS base with clip on ABS front cover</td> </tr> <tr> <td>Colour</td> <td>White</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>40 x 140 x 18.5 mm</td> </tr> <tr> <td>Weight</td> <td>0.11 kg</td> </tr> <tr> <td>Approval</td> <td>CE</td> </tr> <tr> <td>Accessories</td> <td>BB6 flush-mounting kit</td> </tr> </table>	System compatibility	SiPass Entro Lite, SiPass Entro, SiPass integrated	Interface to controller	BC-Link, Clock&Data or Wiegand	Operating voltage	10.6 to 32 VDC	Current consumption	22 mA @ 12V DC 25 mA @ 24V DC	Tamper switch	No	Card technology	EM4102 (also known as Miro or UNIQUE 125 KHz)	Card compatibility	IB41-EM, IB42-EM IB44-EM, IB45-EM	Card read distance	Up to 10 cm	Indicators	3 x LED (red/yellow/green) 1 x Buzzer	Keypad	No	Operating temperature	-30 to +50 °C	Environment	Indoor or outdoor use	IP rating	IP55	Housing	ABS base with clip on ABS front cover	Colour	White	Dimensions (W x H x D)	40 x 140 x 18.5 mm	Weight	0.11 kg	Approval	CE	Accessories	BB6 flush-mounting kit
System compatibility	SiPass Entro Lite, SiPass Entro, SiPass integrated																																						
Interface to controller	BC-Link, Clock&Data or Wiegand																																						
Operating voltage	10.6 to 32 VDC																																						
Current consumption	22 mA @ 12V DC 25 mA @ 24V DC																																						
Tamper switch	No																																						
Card technology	EM4102 (also known as Miro or UNIQUE 125 KHz)																																						
Card compatibility	IB41-EM, IB42-EM IB44-EM, IB45-EM																																						
Card read distance	Up to 10 cm																																						
Indicators	3 x LED (red/yellow/green) 1 x Buzzer																																						
Keypad	No																																						
Operating temperature	-30 to +50 °C																																						
Environment	Indoor or outdoor use																																						
IP rating	IP55																																						
Housing	ABS base with clip on ABS front cover																																						
Colour	White																																						
Dimensions (W x H x D)	40 x 140 x 18.5 mm																																						
Weight	0.11 kg																																						
Approval	CE																																						
Accessories	BB6 flush-mounting kit																																						

Readers

Proximity 125 kHz



Type

Order No.

SP500-EM

Switch-plate card reader

The SP500-EM reads EM4102 cards (also known as Miro or UNIQUE 125 kHz). Its compact, square design makes it easy to mount in most single-gang back-boxes.



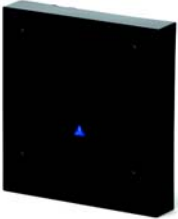
When BC-Link is used, two of these readers can be installed to control entries and exits using only one door controller. An additional benefit of BC-Link is that it supports online status monitoring.

System compatibility	SiPass Entro Lite, SiPass Entro, SiPass integrated
Interface to controller	BC-Link, Clock&Data or Wiegand
Operating voltage	10.6 to 32 VDC
Current consumption	21 mA @ 12V DC 24 mA @ 24V DC
Tamper switch	No
Card technology	EM4102 (also known as Miro or UNIQUE 125 KHz)
Card compatibility	IB41-EM, IB42-EM IB44-EM, IB45-EM
Card read distance	Up to 10 cm
Indicators	3 x LED (red/yellow/green) 1 x Buzzer
Keypad	No
Operating temperature	-30 to +50 °C
Environment	Indoor or outdoor use
IP rating	IP55
Housing	ABS base with fully encapsulated electronics, clip-on ABS front cover
Colour	White
Dimensions (W x H x D)	86 x 86 x 14 mm
Weight	0.14 kg
Approval	CE
Accessories	None

S24246-F3902-A1

Readers

Proximity 125 kHz

Type			Order No.
PM500-EM	Panel-mounted card reader		S24246-F3903-A1
	<p>The PM500-EM reads EM4102 cards (also known as Miro or UNIQUE 125 kHz). It is designed to fit most remote call point enclosures. It is supplied with a custom-machined perspex front panel for increased aesthetic appeal.</p>		
	<p>When BC-Link is used, two of these readers can be installed to control entries and exits using only one door controller. An additional benefit of BC-Link is that it supports online status monitoring.</p>		
	System compatibility	SiPass Entro Lite, SiPass Entro, SiPass integrated	
	Interface to controller	BC-Link, Clock&Data or Wiegand	
	Operating voltage	10.6 to 32 VDC	
	Current consumption	20 mA @ 12V DC 24 mA @ 24V DC	
	Tamper switch	No	
	Card technology	EM4102 (also known as Miro or UNIQUE 125 KHz)	
	Card compatibility	IB41-EM, IB42-EM IB44-EM, IB45-EM	
	Card read distance	Up to 5 cm	
	Indicators	3 x LED (red/yellow/green) 1 x Buzzer	
	Keypad	No	
	Operating temperature	-30 to +50 °C	
	Environment	Indoor or outdoor use	
	IP rating	IP55	
	Housing	High impact polycarbonate outer casing, with encapsulated electronics	
	Colour	Black	
	Dimensions (W x H x D)	68 x 73 x 13.5 mm	
	Weight	0.15 kg	
	Approval	CE	
	Accessories	None	

Readers

Proximity 125 kHz



Type

Order No.

PD30-EM

Prox Codoor – Scandinavian lock case standard

S24246-F8504-A1




PD30-EM is a system Codoor unit that uses EM4102 proximity technology. It contains a reader, controller, lock mechanism and power supply, all in a single housing. Since the PD30-EM is mounted directly onto a standard lock case, you do not have to make any cuts in the door other than those required for the cables for power and communication.

PD30-EM is suitable for lock cases with a distance of between 105 mm and 116 mm between the center of the door handle and the center of the lock cylinder. It is designed for use with Scandinavian lock cases.

Supplied with	Dropbox and a five metre cable
Operating voltage	8 to 40 VDC 8 to 30 VAC
Power consumption	Power save 12V DC: 0.24 W Full on 12V DC: 0.71 W Power save 24V DC: 0.34 W Full on 24V DC: 0.75 W
Card technology	EM4102 (also known as Miro or UNIQUE 125 KHz)
Card read distance	Up to 3 cm with passive card
Indicators	3 x LED (red/yellow/green)
Keypad	No
Operating temperature	0 to +50 °C
Environment	Indoor use only
IP rating	IP30
Housing	Stainless steel housing with ABS base reader head
Colour	Stainless steel
Dimensions (W x H x D)	64 x 245 x 47 mm
Weight	0.85 kg
Approval	CE

Readers

Proximity 125 kHz

Type	Order No.																														
PD40-EM 	S24246-F8505-A1																														
Prox Codoor - European lock case standard																															
<p>PD40-EM is a system Codoor unit that uses EM4102 proximity technology. It contains a reader, controller, lock mechanism and power supply, all in a single housing. Since the PD40-EM is mounted directly onto a standard European lock case, you do not have to make any cuts in the door other than those required for the cables for power and communication.</p>																															
<p>PD40-EM is suitable for lock cases with a distance of 72 mm between the center of the door handle and the center of the lock cylinder. It is designed for the European standard lock case, following the DIN 18251 standard.</p>																															
<table border="0"> <tr> <td data-bbox="392 703 528 725">Supplied with</td> <td data-bbox="719 703 1018 725">Dropbox and a five metre cable</td> </tr> <tr> <td data-bbox="392 734 564 757">Operating voltage</td> <td data-bbox="719 734 836 786">8 to 40 VDC 8 to 30 VAC</td> </tr> <tr> <td data-bbox="392 792 584 815">Power consumption</td> <td data-bbox="719 792 983 898">Power save 12V DC: 0.24 W Full on 12V DC: 0.71 W Power save 24V DC: 0.34 W Full on 24V DC: 0.75 W</td> </tr> <tr> <td data-bbox="392 904 549 927">Card technology</td> <td data-bbox="719 904 1023 956">EM4102 (also known as Miro or UNIQUE 125 KHz)</td> </tr> <tr> <td data-bbox="392 965 571 987">Card read distance</td> <td data-bbox="719 965 991 987">Up to 3 cm with passive card</td> </tr> <tr> <td data-bbox="392 996 488 1019">Indicators</td> <td data-bbox="719 996 970 1019">3 x LED (red/yellow/green)</td> </tr> <tr> <td data-bbox="392 1028 464 1050">Keypad</td> <td data-bbox="719 1028 746 1050">No</td> </tr> <tr> <td data-bbox="392 1059 612 1081">Operating temperature</td> <td data-bbox="719 1059 826 1081">0 to +50 °C</td> </tr> <tr> <td data-bbox="392 1090 517 1113">Environment</td> <td data-bbox="719 1090 868 1113">Indoor use only</td> </tr> <tr> <td data-bbox="392 1122 472 1144">IP rating</td> <td data-bbox="719 1122 767 1144">IP30</td> </tr> <tr> <td data-bbox="392 1153 472 1176">Housing</td> <td data-bbox="719 1153 1023 1205">Stainless steel housing with ABS base reader head</td> </tr> <tr> <td data-bbox="392 1214 456 1236">Colour</td> <td data-bbox="719 1214 852 1236">Stainless steel</td> </tr> <tr> <td data-bbox="392 1245 612 1267">Dimensions (W x H x D)</td> <td data-bbox="719 1245 895 1267">70 x 255 x 54 mm</td> </tr> <tr> <td data-bbox="392 1276 464 1299">Weight</td> <td data-bbox="719 1276 778 1299">0.9 kg</td> </tr> <tr> <td data-bbox="392 1308 480 1330">Approval</td> <td data-bbox="719 1308 746 1330">CE</td> </tr> </table>	Supplied with	Dropbox and a five metre cable	Operating voltage	8 to 40 VDC 8 to 30 VAC	Power consumption	Power save 12V DC: 0.24 W Full on 12V DC: 0.71 W Power save 24V DC: 0.34 W Full on 24V DC: 0.75 W	Card technology	EM4102 (also known as Miro or UNIQUE 125 KHz)	Card read distance	Up to 3 cm with passive card	Indicators	3 x LED (red/yellow/green)	Keypad	No	Operating temperature	0 to +50 °C	Environment	Indoor use only	IP rating	IP30	Housing	Stainless steel housing with ABS base reader head	Colour	Stainless steel	Dimensions (W x H x D)	70 x 255 x 54 mm	Weight	0.9 kg	Approval	CE	
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Dimensions (W x H x D)	70 x 255 x 54 mm																														
Weight	0.9 kg																														
Approval	CE																														



Type

Order No.

BC18

Card reader

S24246-F4100-A1



The BC18 is a magstripe card-only reader for use with SiPass Entro or SiPass Entro Lite. The neat design with metal housing is suitable for both indoor and outdoor mounting.

System compatibility	SiPass Entro Lite, SiPass Entro
Interface to controller	Clock&Data
Operating voltage	5 VDC
Current consumption	5 mA @ 5 VDC
Tamper switch	No
Card technology	Magstripe (track 2)
Card compatibility	IB1
Indicators	2 x LED (red/green)
Keypad	No
Operating temperature	-10 to +55 °C
Environment	Indoor or outdoor use
IP rating	IP55
Housing	Cast metal with an integrated 3-meter cable
Colour	Brushed aluminium
Dimensions (W x H x D)	29 x 124 x 28 mm
Weight	0.30 kg
Approval	CE
Accessories	SH1 universal rain cover

BC43

Card and PIN reader

S24246-F4101-A1



BC43 is a card and PIN reader for SiPass Entro or SiPass Entro Lite. Two units can be installed to control entries and exits using only one door controller. It has an illuminated keypad which makes it easy to use in dark places.

System compatibility	SiPass Entro Lite, SiPass Entro
Interface to controller	BC-Link
Operating voltage	12 to 24 VDC
Current consumption	30 mA @ 12 VDC 44 mA @ 24 VDC
Tamper switch	Yes
Card technology	Magstripe (track 2)
Card compatibility	IB1
Indicators	3 x LED (red/yellow/green) 1 x Buzzer
Keypad	Stainless steel keys 0-9, A, B
Operating temperature	-35 to +50 °C
Environment	Indoor or outdoor use
IP rating	IP54
Housing	Cast metal with stainless steel keys and security lock
Colour	Grey
Dimensions (W x H x D)	110 x 160 x 47 mm
Weight	1.20 kg
Approval	CE
Accessories	SH4 rain cover BB4 flush-mounting kit

Readers PIN Reader

Type			Order No.
M43	PIN only reader	<p>In a SiPass Entro system, the M43 is used primarily in two situations: when you only require the group code level in the system, or when you want to add PIN code functionality to a door that already has a card-only reader installed.</p>	S24246-F8400-A1
	<p>System compatibility Interface to controller Operating voltage</p>	<p>SiPass Entro Lite, SiPass Entro BC-Link 12 to 24 VDC, powered from door controller</p>	
	Current consumption	<p>27 mA @ 12 VDC 39 mA @ 24 VDC</p>	
	Inputs	Tamper switch for internal alarm	
	Tamper switch	Yes	
	Indicators	3 x LED (red/yellow/green)	
		1 x Buzzer	
	Keypad	Stainless steel keys 0-9, A, B	
	Operating temperature	-35 to +50 °C	
	Environment	Indoor or outdoor use	
	IP rating	IP54	
	Housing	Cast metal with stainless steel keys and security lock	
	Colour	Grey	
	Dimensions (W x H x D)	80 x 140 x 40 mm	
	Weight	0.70 kg	
	Approval	CE	
	Accessories	SH2 rain cover IS391 spy-proof cover BB3 flush-mounting kit	