

## Access control

## SiPass readers and cards

Built to stand the test of time

Answers for infrastructure.

**SIEMENS** 





# SiPass readers and cards – robust, reliable and easy to use

Siemens provides a wide range of readers and cards to satisfy the access control requirements of most environments. Our readers and cards 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, which offers the convenience of hands-free functionality. 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.

The majority of SiPass readers supports Siemens proprietary reader protocols – BC-Link or CerPass/UCI (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 and cards you choose, you can be confident that they will significantly enhance security at your site(s).

## Which technology suits your needs?

#### SiPass readers and cards

Operate via four different types of reading technology: magnetic stripe, 125 kHz proximity, Cotag and Smart Card

#### Magnetic Stripe

The user swipes a magnetic stripe card in the slot on the reader. The advantage of magnetic stripe cards is that they are fairly inexpensive. They are mainly used today when expanding an existing access control system that uses magnetic stripe technology.

#### ■ 125 kHz proximity

The advantages of 125 kHz proximity cards are that information stored within the card and tags is exchanged to the readers when the card or tag is held in front of the reader. This reduces the wear and tear of the cards and readers which increase the lifetime resulting in a lower cost over a longer period of time. Some of our 125 kHz proximity readers support our SiPass algorithm, which offers a higher level of security than conventional 125 kHz.

#### Cotag

Cotag is a proprietary Siemens technology that operates on the 132 kHz band and uses a technology similar to the 125 kHz. The Cotag readers can read both active (long-range) and passive (proximity)

Cotag cards and tags and both types can be mixed in the same system providing convenience and cost-efficiency.

#### Hands-free

Cotag active cards contain a battery, which enables a longer reading distance since the card can transmit the information with a higher output power than a passive card. When Cotag hands-free readers are used together with active cards and tags it is possible to create a truly hands-free access control environment. This is useful in cases where some cardholders are disabled or where hands are often occupied, such as in a hospital or a warehouse.

#### Increased security

Cotag is more secure than the standard 125 kHz technology because the content on the card is protected and there is no equipment available outside Siemens to read or copy the cards.

#### Smart Card

Smart cards allow you to use access cards for additional features beyond that of access control. The cards function as a proximity access card, but since they can store much more information they can also be used as a cash card at company restaurants or vending machines, for example. It is also possible to store biometric data such as finger print templates. Smart cards offer the highest degree of security of our card range.

#### Communication protocols

SiPass readers communicate with the door controllers in the system either via standard reader protocols such as Wiegand and Clock&Data, or via Siemens' own proprietary reader protocols, BC-Link and CerPass/UCI (RS485).

#### Advantages of BC-Link and RS485 CerPass/UCI protocol:

- Since they are bi-directional they can be used for buzzer control, LED feedback and arming/disarming of an intrusion area
- Installation is faster since less wiring is required
- Higher level of security compared to using Wiegand or Clock&Data
- Constant monitoring of reader status

### Highlights

- Hands-free access with Cotag technology
- Easy to install and use
- Robust and reliable
- Fully tested with SiPass systems
- Enhanced security with proprietary reader protocol







Readers	PIN-only	Magnet	tic Stripe				
Incurcio					1 2 3 6 5 8 7 8 8 - C 0 0	STATE OF THE PARTY	
	M43	BC18	BC43	AR6181-RX	AR6182-RX	ARS6311-RX	
SiPass Entro Lite							
SiPass Entro							
SiPass integrated							
SIPORT				5144402 (			
Card technology	None (keypad only)	Magstripe	Magstripe	as Miro or UNIQUE 125 kHz), SiPass algorithm, Hitag 1	EM4102 (also known as Miro or UNIQUE 125 kHz), SiPass algorithm, Hitag 1 and Hitag 2	EM 4102 (also known as Miro or UNIQUE 125 kHz), CerPass, SiPass algorithm	SiPa
Description	PIN-only reader. Used for group codes or to add PIN functionality to an existing card- only reader. Tamper switch.	Compact card-only reader. Supplied with 3 meter cable.	Card and PIN reader. Tamper switch.	Square design. Smart two-part construction makes it very easy to mount. Also includes a surface mounting	Card and PIN reader. Square design. Smart two-part construction makes it very easy to mount. Also includes surface mounting frame.	Card-only reader. Compact and eco- nomical.	Card Mull two- mak to m swite
Card read distance	-	-	-	7 cm (approx.)	7 cm (approx.)	12 cm (approx.)	7 cm
Interface to controller	BC-Link	Clock&Data	BC-Link		RS485 monitored CerPass/UCI protocol	Clock&Data emula- tions from: Wiegand 26/34/42/66 bit	RS48 CerP
Operating voltage	12 to 24 VDC	5 VDC	12 to 24 VDC	12 to 24 VDC	12 to 24 VDC	10 to 16 VDC	12 V
Average current consumption	27 mA @ 12 VDC	5 mA @ 5 VDC	30 mA @ 12 VDC	145 mA @ 12 VDC	145 mA @ 12 VDC	32 mA @ 12 VDC	35 n
Indicators	3 x LED		3 x LED		1 x LED (red/yellow/	3 x LED (red/yellow/	3 x L
Environment	(red/yellow/green) Indoor and outdoor use		(red/yellow/green) Indoor and outdoor use		green), 1 x buzzer Indoor and outdoor use	green) 1 x buzzer Indoor and outdoor use	gree e Indo
Operating temperature	−35 to +50 °C	−10 to +55 °C	−35 to +50 °C	−25 to +70 °C	−25 to +70 °C	−25 to +60 °C	-10
IP rating	IP54	IP55	IP54	IP65	IP65	IP65	IP65
Housing	Cast metal with security lock		Cast metal with stain- less steel keys and security lock		PC/ABS plastic	ABS plastic	PC/A
Color	Grey	Brushed aluminum	Grey	Silver (RAL9006)	Silver (RAL9006)	Silver (RAL9006)	Silve
Dimensions (W x H x D)	80 x 140 x 40 mm	29 x 124 x 28 mm	110 x 160 x 47 mm	85.5 x 91 x 40 mm W/o mounting frame	With mounting frame 85.5 x 91 x 40 mm W/o mounting frame 85.5 x 91 x 23 mm	40 x 100 x 25 mm	48 x
Keypad	Stainless steel keys	No	Stainless steel keys		Membrane keys	No	No
Approval	CE	CE	CE	CE	CE	CE	CE
Accessories	SH2 rain cover IS391 spy-proof cover BB3 flush mounting kit		SH4 rain cover BB4 flush mounting kit		SH1 universal rain cover	SH1 universal rain cover	SH1 cove
Compatible cards/tags	None	IB1	IB1	ABR5100-BL	ABR5100-PR ABR5100-BL ABR5100-TG	ABR5100-PR ABR5100-BL ABR5100-TG	ABR ABR ABR
Order no.	S24246-F8400-A1	S24246-F4100-A1	S24246-F4101-A1	6FL7170-8AD	6FL7170-8AE	S24246-Z3900-A1	6FL

		Acceoning			
	IB1	ABR5100-PR	ABR5100-BL	ABR5100-TG	
Description	Magnetic stripe card with CR80 ISO format (track 2)	Pre-printed ISO cards compliant with the SiPass algorithm. Can be used with the readers ARS6311-RX, AR6331-CP, AR6332- CP, AR6181-RX and AR6182-RX.	Blank, printable ISO cards compliant with the SiPass algorithm. Can be used with the readers ARS6311-RX, AR6331-CP, AR6181-RX and AR6182-RX.	SiPass proximity keyring tag. Can be used with read- ers ARS6311-RX, AR6331-CP, AR6332- CP, AR6181-RX and AR6182-RX.	Pre-  card EM4 tech usec PP5( EM, SP50 PD3( EM. a ma
Quantity in order	100	10	10	10	1
Dimensions (W x H x D)	54 x 86 x 0.76 mm	54 x 86 x 0.76 mm	54 x 86 x 0.76 mm	29 x 38 x 5 mm	54 >
Order no.	S24246-D5000-A1	6FL7820-8KA10	6FL7820-8KA20	6FL7820-8KA30	S24

		Proximity	y 125 kHz		The state of the s			
1.		XXXXXX © XXXXXX © XXXXXX	O STANDARD ()				•	
AR6331-CP	AR6332-CP	PP500-EM	HD500-EM	PR500-EM	SP500-EM	PM500-EM	PD30-EM	PD40-EN
_				-			-	
		-	-	-	-			
	SiPass algorithm	EM4102 (also known as Miro or UNIQUE 125 kHz)	EM4102 (also known as Miro or UNIQUE 125 kHz)	EM4102 (also known as Miro or UNIQUE 125 kHz)	EM4102 (also known as Miro or UNIQUE 125 kHz)	EM4102 (also known as Miro or UNIQUE 125 kHz)	EM4102 (also known as Miro or UNIQUE 125 kHz)	EM4102 (also k as Miro or UNIQ 125 kHz)
ion design. Smart part construction es it very easy ount. Tamper	Card and PIN reader. Mullion design. Smart two-part construction makes it very easy to mount. Tamper switch.	indicator light and illu-	reader. Vandal-proof, impact and fire resis- tant. Popular both in vulnerable locations	Card-only reader. Slim and compact.	Card-only reader. Compact design. Designed for mounting in single-gang back boxes.	Card-only reader. Designed for panel mounting. Suitable for most remote call- point locations.	door controller. Fits	All-in-one reade door controller. directly on Euro lock cases that ' low the DIN 182 standard. Suppl with drop box a meter cable.
(approx)	7 cm (approx)	5 cm	6 cm	10 cm	10 cm	5 cm	3 cm	3 cm
	RS485 monitored CerPass protocol	BC-Link, Clock&Data or Wiegand	BC-Link, Clock&Data or Wiegand	BC-Link, Clock&Data or Wiegand	BC-Link, Clock&Data or Wiegand	BC-Link, Clock&Data or Wiegand	BC-Link	BC-Link
DC	12 VDC	12 to 24 VDC	10.6 to 32 VDC	10.6 to 32 VDC	10.6 to 32 VDC		8 to 40 VDC 8 to 30 VAC	8 to 40 VDC 8 to 30 VAC
	35 mA @ 12 VDC 3 x LED (red/yellow/	30mA @ 12VDC	20 mA @ 12 VDC	22mA @ 12VDC	21 mA @ 12 VDC		100mA @ 12VDC	100 mA @ 12 V
n), 1 x buzzer	green), 1 x buzzer	green), 1 x buzzer	3 x LED (red/yellow/ green), 1 x buzzer Indoor and outdoor use	3 x LED (red/yellow/ green), 1 x buzzer Indoor and outdoor use	3 x LED (red/yellow/ green), 1 x buzzer Indoor and outdoor use		3 x LED (red/yellow/ green) Indoor and outdoor use	3 x LED (red/yel green) Indoor and outd
to +55 °C	−10 to +55 °C	−30 to +50 °C	−30 to +50 °C	−30 to +50 °C	−30 to +50 °C	−30 to +50 °C	0 to + 50 °C	0 to + 50 °C
	IP65	IP54	IP65	IP55	IP55		IP30	IP30
.BS plastic	PC/ABS plastic	Cast metal with security lock	Polycarbonate case, fully encapsulated electronics with stain- less steel frame	ABS base with clip on ABS front cover	ABS base with fully encapsulated elec- tronics and clip on ABS front cover		Stainless steel hous- ing with ABS base reader head	Stainless steel hing with ABS bareader head
r (RAL9006)	Silver (RAL9006)	Grey	Black and stainless steel	White	White	Black	Stainless steel	Stainless steel
147 x 30 mm	48 x 147 x 30 mm	80 x 140 x 40 mm	100 x 128 x 18 mm	40 x 140 x 18.5 mm	86 x 86 x 14 mm	68 x 73 x 13.5 mm	64 x 250 x 64 mm	70 x 250 x 60 n
	Membrane keys	Stainless steel keys	No	No	No	No	No	No
	CE	CE	CE	CE	CE	CE	CE	CE
	SH1 universal rain cover	SH2 rain cover IS391 spy-proof cover BB3 flush mounting kit	None	BB6 flush mounting kit	None	None	None	None
5100-BL	ABR5100-PR, ABR5100-BL ABR5100-TG	IB41-EM, IB42-EM IB44-EM, IB45-EM	IB41-EM, IB42-EM IB44-EM, IB45-EM	IB41-EM, IB42-EM IB44-EM, IB45-EM	IB41-EM, IB42-EM IB44-EM, IB45-EM	IB41-EM, IB42-EM IB44-EM, IB45-EM	IB41-EM, IB42-EM IB44-EM, IB45-EM	IB41-EM, IB42-E IB44-EM, IB45-E
171-8AD	6FL7171-8AE	S54501-F1-A1	S24246-F3901-A1	S24246-F3913-A1	S24246-F3902-A1	S24246-F3903-A1	S24246-F8504-A1	S24246-F8505-
	Proximity 125 kHz							
Acc 60 min		SIEMENS	SIEMENS	-	SIEMENS			
IB41-EM	IB42-EM	IB44-EM	IB45-EM			IB928	IB911	IB970
s compliant with 102 reading nology. Can be with the readers 00-EM, HD500- PR500-EM, 00-EM, PP500-EM, D-EM and PD40- Cards also include	EM4102 reading technology. Can be	pliant with EM4102 reading technology. Can be used with the readers PP500-EM, HD500-EM, PR500- EM, SP500-EM, PP500-EM, PD30-EM	Adhesive tag with Siemens logo, com- pliant with EM4102 reading technology. Can to be attached to existing magnetic stripe cards when adding EM4102 read- ers to an existing magstripe installation.	MEMORY	I STANOON I		Il Active Cotag keyring tag including lithium battery. Suitable for use with all Cotag readers in this bro- chure.	Active Cotag v tag. Suitable t with BC5516- loop reader.
	1	1	1			1	1	1

86 x 0.76 mm

246-D4904-A1

54 x 86 x 0.76 mm

S24246-D4901-A1

30 x 36 x 7 mm

S24246-D4902-A1

Diameter 30 x 3 mm

S24246-D4903-A1

53.89 x 85.85 x 2.89 mm

24246-D5203-A1

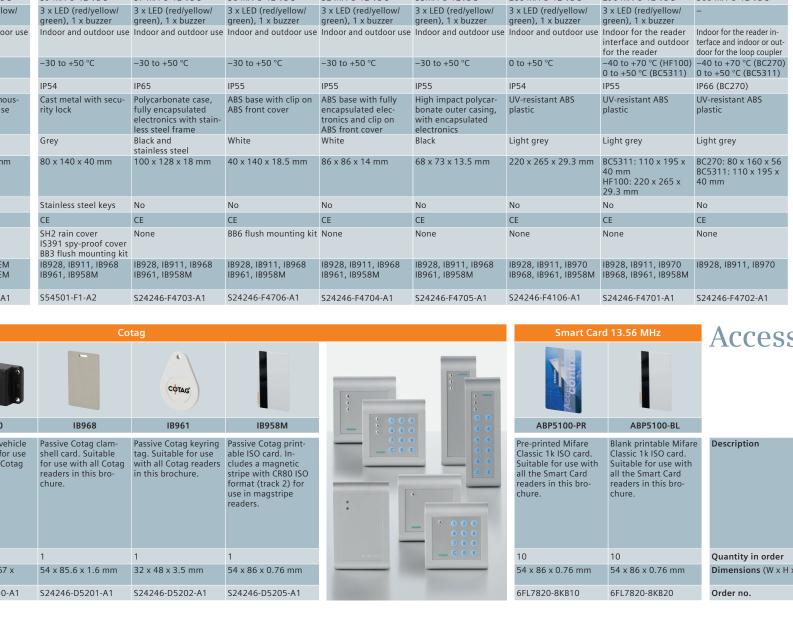
31.24 x 49.89 x 9.7 mm

S24246-D5204-A1

100.45 x 51.6 27.02

S24246-D520

			Co	otag			
**************************************	© streets (a)				-		
PP500-Cotag	HD500-Cotag	PR500-Cotag	SP500-Cotag	PM500-Cotag	HF500-Cotag	BC5511-Cotag	BC5516-Cotag
-	-	-	-		-		
			-				
wn Cotag		Cotag	Cotag				Cotag
nd Heavy-duty card an PIN reader. Position indicator light and illuminated keypad make it easy to use dark places. Tampe switch.	on reader. Vandal-proof, impact and fire resis- d tant. Popular both in e in vulnerable locations er and modern office environments.	·	Compact design. Designed for mounting in single-gang back boxes.	Designed for panel mounting. Suitable for most remote call- point locations.	Able to read through wood, concrete, glass, and most other mate- rials, but not metal.	Designed for split- , mounted applications. Provides a higher level of security, particularly for outdoor use.	I reader interface. Use for applications such as "invisible" hands- free access control and Automatic Vehic Identification (AVI).
Active card: 20 cm Passive card: 5 cm					Active card: 1 meter Passive card: 15 cm		Approx. 1 meter (depending on loop)
Passive card: 5 cm BC-Link, Clock&Data or Wiegand	ita BC-Link, Clock&Data	BC-Link, Clock&Data	BC-Link, Clock&Data	BC-Link, Clock&Data	Clock&Data	Clock&Data	(depending on loop) Clock&Data or Wiegand
12 to 24 VDC	10.6 to 32 VDC	10.6 to 32 VDC	10.6 to 32 VDC	10.6 to 32 VDC	10 to 35 VDC	10 to 35 VDC	10 to 35 VDC
39 mA @ 12 VDC							300 mA @ 12 VDC
3 x LED (red/yellow green), 1 x buzzer						3 x LED (red/yellow/ green), 1 x buzzer	-
	r use Indoor and outdoor use		•	•	Indoor and outdoor use	Indoor for the reader interface and outdoor	
−30 to +50 °C	−30 to +50 °C	−30 to +50 °C	−30 to +50 °C	−30 to +50 °C	0 to +50 °C	-40 to +70 °C (HF100) 0 to +50 °C (BC5311)	-40 to +70 °C (BC2
IP54	IP65	IP55	IP55	IP55			IP66 (BC270)
s- Cast metal with sec rity lock	Polycarbonate case, fully encapsulated electronics with stain- less steel frame	ABS base with clip on ABS front cover	ABS base with fully encapsulated elec- tronics and clip on ABS front cover	High impact polycar-	UV-resistant ABS	UV-resistant ABS	UV-resistant ABS plastic
Grey					Light grey	Light grey	Light grey
80 x 140 x 40 mm		40 x 140 x 18.5 mm	86 x 86 x 14 mm	68 x 73 x 13.5 mm		40 mm	BC270: 80 x 160 x BC5311: 110 x 195 40 mm
Stainless steel keys	rs No	No	No	No			No
CE							CE
SH2 rain cover IS391 spy-proof cov BB3 flush mounting	over g kit	BB6 flush mounting kit					None
IB928, IB911, IB968 IB961, IB958M	58 IB928, IB911, IB968						IB928, IB911, IB97
S54501-F1-A2	S24246-F4703-A1	S24246-F4706-A1	S24246-F4704-A1	S24246-F4705-A1	S24246-F4106-A1	S24246-F4701-A1	S24246-F4702-A1
	Cotag				Smart Ca	ord 13.56 MHz	<b>A</b> 220
					Siller Land	0 15.50 WHZ	Acce



Smart Card 13.56 MHz									
	0 2 3 4 5 6 7 8 8 0 0 6		. 0 2 0 . 0 2 0 . 0 2 0 . 0 0 0						
AR6181-MX	AR6182-MX	AR6181-MS	AR6182-MS	AR6381-MS	AR6382-MS	AR6111-MX	AR6201-MX		
ISO14443A: 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)	ISO14443A: 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, Taq-IT HFI (CSN)		ISO14443A: Mifare Classic 1k & 4k (CSN, sector/block)	ISO14443A: Mifare Classic 1k & 4k (CSN, sector/block)	ISO14443A: Mifare Classic 1k & 4k (CSN, sector/block)	ISO14443A: Mifare Classic 1k & 4k, Mi- fare UltraLight, my-D proximity, my-C, my-D vicinity, I-Code SLI, Tag-IT HFI, STM LRI512 (all CSN)	ISO14443A: Mifare Classic 1k & 4k, Mi- fare UltraLight, my-D proximity, my-C, my- vicinity, I-Code SLI, I-Code1, I-Code EPC, Tag-IT HFI, LRI512		
Card-only reader. Square design. Smart two-part construction makes it very easy to mount. Supplied with surface mounting frame.	Card and PIN reader.	Card-only reader. Designed to fit most standard square flush mounting boxes. Supplied with surface mounting frame.	Card and PIN reader. Designed to fit most standard square flush mounting boxes. Supplied with surface mounting frame.	Card-only reader. Mullion design.	Card-only reader. Mullion design.	Card-only reader. Rectangular design. Economical. Configu- ration can be changed with a configuration card. Supplied with surface mounting frame.	Enrollment reader. Designed to read and write cards. Can be connected to a PC. Includes external power supply.		
7 cm	7 cm	4 cm	4 cm	4 cm	4 cm	7 cm	7 cm		
RS485-monitored CerPass/UCI protocol, Omron (Clock&Data) or Wiegand 12 to 24 VDC	RS485-monitored CerPass/UCI protocol, Omron (Clock&Data) or Wiegand 12 to 24 VDC	RS485-monitored CerPass/UCI protocol, Omron (Clock&Data) or Wiegand 12 to 24 VDC	RS485-monitored CerPass/UCI protocol, Omron (Clock&Data) or Wiegand 12 to 24 VDC	RS485-monitored CerPass/UCI protocol, Omron (Clock&Data) or Wiegand 9 VDC	RS485-monitored CerPass/UCI protocol, Omron (Clock&Data) or Wiegand 9 VDC	Clock&Data emulation from magnetic card (ISO7811-2, 5-bit) or Wiegand 9 to 15 VDC	RS232 interface for connection to a per- sonal computer.		
							included		
165 mA @ 12 VDC	165 mA @ 12 VDC	64 mA @ 12 VDC	64 mA @ 12 VDC	127mA @ 12VDC	127 mA @ 12 VDC	80 mA @ 12 VDC	-		
1 x LED (red/yellow/ green), 1 x buzzer Indoor and outdoor use	1 x LED (red/yellow/ green), 1 x buzzer Indoor and outdoor use	3 x LED (red/yellow/ green), 1 x buzzer Indoor and outdoor use	3 x LED (red/yellow/ green), 1 x buzzer Indoor and outdoor use	3 x LED (red/yellow/ green), 1 x buzzer Indoor and outdoor use	3 x LED (red/yellow/ green), 1 x buzzer Indoor and outdoor use	2 x LED (red/green) 1 x buzzer Indoor and outdoor use	1 x LED (red/yellow/ green), 1 x buzzer Indoor use only		
−20 to +60 °C	−20 to +60 °C	−20 to +70 °C	−20 to +70 °C	−20 to +70 °C	−20 to +70 °C	−25 to +60 °C	−25 to +60 °C		
IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP22		
PC/ABS plastic	PC/ABS plastic	PC/ABS plastic	PC/ABS plastic	PC/ABS plastic	PC/ABS plastic	Synthetic ABS/PBT	PC/ABS plastic		
Silver (RAL 9006)	Silver (RAL 9006)	Silver (RAL 9006)	Silver (RAL 9006)	Silver (RAL 9006)	Silver (RAL 9006)	Silver (RAL 9006)	Silver (RAL 9006)		
With mounting frame 85.5 x 91 x 40 mm W/o mounting frame 85.5 x 91 x 23 mm	With mounting frame 85.5 x 91 x 40 mm W/o mounting frame 85.5 x 91 x 23 mm	With mounting frame 85.5 x 91 x 40 mm W/o mounting frame 85.5 x 91 x 23 mm	With mounting frame 85.5 x 91 x 40 mm W/o mounting frame 85.5 x 91 x 23 mm	48 x 147 x 30 mm	48 x 147 x 30 mm	76 x 120 x 17 mm	85.5 x 91 x 40 mm		
No	Membrane keys	No	Membrane keys	No	Membrane keys	No	No		
CE, FCC, UL	CE, FCC, UL	CE	CE	CE	CE	CE, FCC, UL	CE, FCC		
SH1 universal rain cover	SH1 universal rain cover	SH1 universal rain cover	SH1 universal rain cover	SH1 universal rain cover	SH1 universal rain cover	SH1 universal rain cover	None		
ABP5100-PR ABP5100-BL	ABP5100-PR ABP5100-BL	ABP5100-PR ABP5100-BL	ABP5100-PR ABP5100-BL	ABP5100-PR ABP5100-BL	ABP5100-PR ABP5100-BL	ABP5100-PR ABP5100-BL	ABP5100-PR ABP5100-BL		
6FL7170-8BK	6FL7170-8BL	6FL7170-8AH	6FL7170-8AJ	6FL7171-8AK	6FL7171-8AL	6FL7170-8DK	AR6201-MX		
ories				Accessories					
01103									

cories	Accessories									
JOTTES										
	SH1	SH2	SH4	IS391	BB3	BB4	BB6			
	readers. It is recom-	cover for keypads and codelocks that can be used for both new and existing installations. There are cuttings for	SH4 is a protective cover for card readers. There are cuttings for cables to simplify the process of adding it to an existing installation.	IS391 is a spy-proof cover designed for use where a higher level of security is required.	BB3 is a flush mounting kit designed to provide an unobtrusive and aesthetically appealing installation of the PP500-EM, PP500-Cotag and M43.	BB4 is a flush mounting kit designed to provide an unobtrusive and aesthetically appealing installation of the BC43.	BB6 is a flush mounting kit designed to provide a discreet and secure installation of PR500-EM and PR500-Cotag. It hides the reader.			
	1	1	1	1	1	1	1			
( D)	210 x 225 x 160	104 x 168 x 90	140 x 200 x 90	120 x 104 x 95	117 x 197 (external) 85 x 175 x 33 (recess)	145 x 255 (external) 115 x 230 x 43 (recess)	117 x 200 (external) 85 x 175 x 33 (recess)			
	S24246-Z3652-A1	S24246-Z3554-A1	S24246-Z3655-A1	S24246-Z3553-A1	S24246-Z3553-A1	S24246-Z3553-A1	S24246-Z3553-A1			

### Answers for infrastructure.

#### ■ Megatrends driving the future

The megatrends – demographic change, urbanization, climate change and globalization – are shaping the world today. These have an unprecedented impact on our lives and on vital sectors of our economy.

#### Innovative technologies to answer the associated toughest questions

Throughout a 160-year history of proven research and engineering talent, with more than 50,000 active patents, Siemens has continuously provided its customers with innovations in the areas of healthcare, energy, industry and infrastructure – globally and locally.

#### Increase productivity and efficiency through complete building life cycle management

Building Technologies offers intelligent integrated solutions for industry, commercial and residential buildings and public infrastructure. Over the entire facility's life cycle, our comprehensive and environmentally conscious portfolio of products, systems, solutions and services in the fields of electrical installation technology, building automation, fire safety and electronic security, ensures the:

- optimum comfort and highest energy efficiency in buildings,
- safety and security for people, processes and assets,
- increased business productivity.



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The information in this document contains general descriptions of technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.

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