

Access control

SiPass readers and cards

Built to stand the test of time





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 advanced 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?

■ Reading technologies

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 information stored within a 125 kHz proximity card or tag is sent to the reader when the card or tag is held in front of it. This reduces the wear and tear on the cards and readers which results in a lower total cost of ownership over time. Some of our 125 kHz proximity readers support the SiPass algorithm, which offers a higher level of security than conventional 125 kHz.

■ Cotag

The main advantage of Cotag technology is that it provides both proximity and hands-free card reading. It operates on the 132 kHz band, which is similar to 125 kHz. All Cotag readers can read both active (long-range) and passive (proximity) Cotag cards and tags. Both types of

cards can be mixed in the same system to provide ultimate convenience and cost-efficiency.

Cotag active cards contain a battery, which enables these cards to transmit information with a higher output power than passive cards and thereby results in a longer reading distance. 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.

Cotag is more secure than 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 can be used for additional purposes beyond that of access control. They function as proximity access cards, but since they can store much more information they can also be used as cash cards at company restaurants or vending machines, for example. It is also possible to store biometric data such as fingerprint templates. Smart cards offer the highest degree of security in 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' advanced reader protocols, BC-Link and CerPass (RS485).

■ Advantages of BC-Link and CerPass (RS485) protocols:

- 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



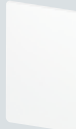



- Hands-free access with Cotag technology
- Easy to install and use
- Robust and reliable
- Fully tested with SiPass systems
- Enhanced security with advanced reader protocols



Readers









	PIN-only	Magnetic Stripe	AR6181-RX	
				
	M43	BC43	AR6181-RX	
SiPass Entro				
SiPass integrated				
SIOPORT				
Card technology	None (keypad only)	Magstripe (track 2)	EM4102 (also known as Miro or UNIQUE 125 kHz), Hitag 1 and Hitag 2	EM4102 (also known as Miro or UNIQUE 125 kHz), Hitag 1 and Hitag 2
Description	PIN-only reader. Used for group codes or to add PIN functionality to an existing card-only reader. Tamper switch.	Card and PIN reader. Tamper switch.	Card-only reader. Square design. Smart two-part construction makes it very easy to mount. Also includes a surface mounting frame.	Card-only reader. Square design. Smart two-part construction makes it very easy to mount. Also includes a surface mounting frame.
Card read distance *	–	–	7 cm (approx.)	7 cm (approx.)
Interface to controller	BC-Link	BC-Link	RS485 monitored CerPass/UCL protocol Clock&Data or Wiegand	RS485 monitored CerPass/UCL protocol Clock&Data or Wiegand
Operating voltage	12 to 24 VDC	12 to 24 VDC	12 to 24 VDC	12 to 24 VDC
Average current consumption	27 mA @ 12 VDC	30 mA @ 12 VDC	145 mA @ 12 VDC	145 mA @ 12 VDC
Indicators	3 x LED (red/yellow/green) 1 x buzzer	3 x LED (red/yellow/green), 1 x buzzer	1 x LED (red/yellow/green), 1 x buzzer	1 x LED (red/yellow/green), 1 x buzzer
Environment	Indoor or outdoor use	Indoor or outdoor use	Indoor or outdoor use	Indoor or outdoor use
Operating temperature	–35 to +50 °C	–35 to +50 °C	–25 to +70 °C	–25 to +70 °C
IP rating	IP54	IP54	IP65	IP65
Housing	Cast metal with stainless steel keys and security lock	Cast metal with stainless steel keys and security lock	PC/ABS plastic	PC/ABS plastic
Color	Grey	Grey	Silver (RAL9006)	Silver (RAL9006)
Dimensions (W x H x D)	80 x 140 x 40 mm	110 x 160 x 47 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
Keypad	Stainless steel keys	Stainless steel keys	No	No
Approval	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
Compatible cards/tags	None	IB1	ABR5100-PR ABR5100-BL ABR5100-TG	ABR5100-PR ABR5100-BL ABR5100-TG
Order no.	S24246-F8400-A1	S24246-F4101-A1	6FL7170-8AD	6FL7170-8AD

Cards

	Magnetic Stripe	ABR5100-PR	ABR5100-BL	ABR5100-TG	IB41-EM	Pro
						
	IB1	ABR5100-PR	ABR5100-BL	ABR5100-TG	IB41-EM	
Description	Magnetic stripe card with CR80 ISO format (track 2). Card number on back.	Pre-printed ISO cards compliant with Siemens Prox technology. Can be used with the readers ARS6311-RX, AR6331-CP, AR6332-CP, AR6181-RX and AR6182-RX. Card number on back.	Blank, printable ISO cards compliant with Siemens Prox technology. Can be used with the readers ARS6311-RX, AR6331-CP, AR6332-CP, AR6181-RX and AR6182-RX. Card number on back.	Keyring tags compliant with Siemens Prox technology. Can be used with the readers ARS6311-RX, AR6331-CP, AR6332-CP, AR6181-RX and AR6182-RX. Card number on back.	Printed ISO cards compliant with EM4102 reading technology. Can be used with the readers HD500-EM, PM500-EM, PR500-EM, SP500-EM, PP500-EM. Cards also include magnetic stripe and card number on back.	Blank card compliant with EM4102 technology. Can be used with the readers HD500-EM, PM500-EM, PR500-EM, SP500-EM, PP500-EM. Cards also include magnetic stripe and card number on back.
Quantity in order	100	10	10	10	1	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	29.80 x 44.90 x 1.55 mm	54 x 86 x 0.76 mm	54 x 86 x 0.76 mm
Order no.	S24246-D5000-A1	6FL7820-8KA10	6FL7820-8KA20	6FL7820-8KA30	S24246-D4904-A1	S24246-D4904-A1









*All reading distances provided here have been measured in lab conditions and may vary according to environmental conditions.

Proximity 125 kHz

							
AR6182-RX	ARS6311-RX	AR6331-CP	AR6332-CP	PP500-EM	HD500-EM	PR500-EM	SP500-EM
EM4102 (also known as Miro or UNIQUE 125 kHz)	EM4102 (also known as Miro or UNIQUE 125 kHz)	Siemens Prox	Siemens Prox	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)
Card and PIN reader. Compact design. Smart two-part construction makes it very easy to mount. Also includes tamper switch.	Card-only reader. Compact and economical. Tamper switch.	Card-only reader. Mullion design. Smart two-part construction makes it very easy to mount. Tamper switch.	Card and PIN reader. Mullion design. Smart two-part construction makes it very easy to mount. Tamper switch.	Heavy-duty card and PIN reader. Position indicator light and illuminated keypad make it easy to use in dark places. Tamper switch.	Heavy-duty card-only reader. Vandal-proof, impact and fire resistant. Popular both in vulnerable locations and modern office environments.	Card-only reader. Slim and compact.	Card-only reader. Compact design. Designed for mounting in single-gang back boxes.
12 cm (approx.)	12 cm (approx.)	7 cm (approx.)	7 cm (approx.)	5 cm	6 cm	10 cm	10 cm
RS485 monitored CerPass protocol	Clock&Data and Wiegand (26/34/42 bit)	RS485 monitored CerPass protocol	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
12 VDC	10 to 16 VDC	12 VDC	12 VDC	12 to 24 VDC	10.6 to 32 VDC	10.6 to 32 VDC	10.6 to 32 VDC
35 mA @ 12 VDC	32 mA @ 12 VDC	35 mA @ 12 VDC	35 mA @ 12 VDC	30mA @ 12VDC	20 mA @ 12 VDC	22mA @ 12VDC	21 mA @ 12 VDC
3 x LED (red/yellow/green), 1 x buzzer	3 x LED (red/yellow/green), 1 x buzzer	3 x LED (red/yellow/green), 1 x buzzer	3 x LED (red/yellow/green), 1 x buzzer	3 x LED (red/yellow/green), 1 x buzzer	3 x LED (red/yellow/green), 1 x buzzer	3 x LED (red/yellow/green), 1 x buzzer	3 x LED (red/yellow/green), 1 x buzzer
Indoor or outdoor use	Indoor or outdoor use	Indoor or outdoor use	Indoor or outdoor use	Indoor or outdoor use	Indoor or outdoor use	Indoor or outdoor use	Indoor or outdoor use
-25 to +60 °C	-25 to +60 °C	-10 to +55 °C	-10 to +55 °C	-30 to +50 °C	-30 to +50 °C	-30 to +50 °C	-30 to +50 °C
IP65	IP65	IP65	IP65	IP54	IP65	IP55	IP55
ABS plastic	ABS plastic	PC/ABS plastic	PC/ABS plastic	Cast metal with stainless steel keys and security lock	Polycarbonate case, fully encapsulated electronics with stainless steel frame	ABS base with clip on ABS front cover	ABS base with fully encapsulated electronics and clip on ABS front cover
Silver (RAL9006)	Silver (RAL9006)	Silver (RAL9006)	Silver (RAL9006)	Grey	Black and stainless steel	White	White
40 x 100 x 25 mm	40 x 100 x 25 mm	48 x 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
No	No	No	Membrane keys	Stainless steel keys	No	No	No
CE	CE	CE	CE	CE	CE	CE	CE
SH1 universal rain cover	SH1 universal rain cover	SH1 universal rain cover	SH1 universal rain cover	SH2 rain cover IS391 spy-proof cover BB3 flush mounting kit	None	BB6 flush mounting kit	None
ABR5100-PR ABR5100-BL ABR5100-TG	ABR5100-PR ABR5100-BL ABR5100-TG	ABR5100-PR ABR5100-BL ABR5100-TG	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
S24246-Z3900-A1	S24246-Z3900-A1	6FL7171-8AD	6FL7171-8AE	S54501-F1-A1	S24246-F3901-A1	S24246-F3913-A1	S24246-F3902-A1



Proximity 125 kHz

						
IB42-EM	IB44-EM	IB45-EM	IB928	IB911	IB970	IB968
Keyring tag with Siemens logo, compliant with EM4102 reading technology. Can be used with the readers HD500-EM, PM500-EM, PR500-EM, PP500-EM. Card number on front.	Keyring tag with Siemens logo, compliant with EM4102 reading technology. Can be used with the readers HD500-EM, PM500-EM, PR500-EM, PP500-EM. Card number on front.	Adhesive tag with Siemens logo, compliant with EM4102 reading technology. Can be attached to existing magnetic stripe cards when adding EM4102 readers to an existing magstripe installation. Card number on back.	Active Cotag clamshell card including lithium battery. Suitable for use with all Cotag readers in this brochure. Card number on back.	Active Cotag keyring tag including lithium battery. Suitable for use with all Cotag readers in this brochure. Card number on back.	Active Cotag vehicle tag. Suitable for use with BC5516-Cotag loop reader. Card number on back.	Passive Cotag shell card. Suitable for use with all readers in this brochure except Cotag. Card number on back.
1	1	1	1	1	1	1
86 x 0.76 mm	29.95 x 36.35 x 7.25 mm	Diameter 30 x 3 mm	53.89 x 85.85 x 2.89 mm	31.24 x 49.89 x 9.7 mm	100.45 x 51.67 x 27.02 mm	54 x 85.6 x 1.5 mm
S24246-D4901-A1	S24246-D4902-A1	S24246-D4903-A1	24246-D5203-A1	S24246-D5204-A1	S24246-D5200-A1	S54501-S10-A1

	Cotag						
							
PM500-EM	PP500-Cotag	HD500-Cotag	PR500-Cotag	SP500-Cotag	PM500-Cotag	HF500-Cotag	BC5511-Cotag
EM4102 (also known as Miro or UNIQUE 125 kHz)	Cotag	Cotag	Cotag	Cotag	Cotag	Cotag	Cotag
Card-only reader. Designed for panel mounting. Suitable for most remote call-point locations.	Heavy-duty card and PIN reader. Position indicator light and illuminated keypad make it easy to use in dark places. Tamper switch.	Heavy-duty card-only reader. Vandal-proof, impact and fire resistant. Popular both in vulnerable locations and modern office environments.	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.	Hands-free reader. Able to read through wood, concrete, glass, and most other materials, but not metal.	Hands-free reader. Designed for split-mount applications. Provides a higher level of security, particularly for outdoor use.
5 cm	Active card: 12 cm Passive card: 3 cm	Active card: 26 cm Passive card: 8 cm	Active card: 32 cm Passive card: 10 cm	Active card: 29 cm Passive card: 9 cm	Active card: 23 cm Passive card: 8 cm	Active card: 102 cm Passive card: 34 cm	Active card: 90 cm Passive card: 35 cm
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, Clock&Data or Wiegand	Clock&Data or Wiegand	Clock&Data or Wiegand
10.6 to 32 VDC	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
20 mA @ 12VDC	39 mA @ 12 VDC	37 mA @ 12 VDC	36 mA @ 12 VDC	32 mA @ 12 VDC	33 mA @ 12VDC	200 mA @ 12 VDC	290 mA @ 12 VDC
3 x LED (red/yellow/green), 1 x buzzer	3 x LED (red/yellow/green), 1 x buzzer	3 x LED (red/yellow/green), 1 x buzzer	3 x LED (red/yellow/green), 1 x buzzer	3 x LED (red/yellow/green), 1 x buzzer	3 x LED (red/yellow/green), 1 x buzzer	3 x LED (red/yellow/green), 1 x buzzer	3 x LED (red/yellow/green), 1 x buzzer
Indoor or outdoor use	Indoor or outdoor use	Indoor or outdoor use	Indoor or outdoor use	Indoor or outdoor use	Indoor or outdoor use	Indoor use only	Indoor for the rear interface and outdoor for the reader
-30 to +50 °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	-40 to +70 °C (HF100 to +50 °C (BC5511))
IP55	IP54	IP65	IP55	IP55	IP55	IP54	IP55 (HF100)
High impact polycarbonate outer casing, with encapsulated electronics	Cast metal with stainless steel keys and security lock	Polycarbonate case, fully encapsulated electronics with stainless steel frame	ABS base with clip on ABS front cover	ABS base with fully encapsulated electronics and clip on ABS front cover	High impact polycarbonate outer casing, with encapsulated electronics	UV-resistant ABS plastic	UV-resistant ABS plastic
Black	Grey	Black and stainless steel	White	White	Black	Light grey	Light grey
58 x 73 x 13.5 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	220 x 265 x 29.3 mm	BC5511: 110 x 194 x 40 mm HF100: 220 x 265 x 29.3 mm
No	Stainless steel keys	No	No	No	No	No	No
CE	CE	CE	CE	CE	CE	CE	CE
None	SH2 rain cover IS391 spy-proof cover BB3 flush mounting kit	None	BB6 flush mounting kit	None	None	None	None
IB41-EM, IB42-EM IB44-EM, IB45-EM	IB911, IB928, IB958, IB958M, IB968, IB981	IB911, IB928, IB958, IB958M, IB968, IB981	IB911, IB928, IB958, IB958M, IB968, IB981	IB911, IB928, IB958, IB958M, IB968, IB981	IB911, IB928, IB958, IB958M, IB968, IB981	IB911, IB928, IB958, IB958M, IB968, IB970, IB981	IB911, IB928, IB958, IB958M, IB968, IB981
S24246-F3903-A1	S54501-F1-A2	S24246-F4703-A1	S24246-F4706-A1	S24246-F4704-A1	S24246-F4705-A1	S24246-F4106-A1	S24246-F4701-A1








Cotag		
		
IB981	IB958M	IB958M
Climate-stable II Cotag is brochure BC5516-Number	Passive Cotag keyring tag. Suitable for use with all Cotag readers in this brochure except BC5516-Cotag. Card number on back.	Passive Cotag printable ISO card. Suitable for use with all Cotag readers in this brochure except BC5516-Cotag. Includes a magnetic stripe with CR80 ISO format (track 2) for use in magstripe readers. Card number on back.
1	1	1
6 mm	40 x 49 x 4.5 mm	54 x 86 x 0.76 mm
A1	S54501-N7-A1	S54501-S11-A1




Smart Card 13.56 MHz	
	
ABP5100-PR	ABP5100-BL
Pre-printed Mifare Classic 1k ISO card. Suitable for use with all the Smart Card readers in this brochure.	Blank printable Mifare Classic 1k ISO card. Suitable for use with all the Smart Card readers in this brochure.
10	10
54 x 86 x 0.76 mm	54 x 86 x 0.76 mm
6FL7820-8KB10	6FL7820-8KB20

Accessories

Description
Quantity in order
Dimensions (W x H x D)
Order no.

		Smart Card 13.56 MHz					
	BC5516-Cotag						
	Cotag	Mifare Classic 1k & 4k (CSN, S/B, MAD); DESfire (CSN); Mifare DESfire EVI (CSN, File), Mifare UltraLight & my-D prox (CSN, B); STM LRI512, my-C, my-D vic, I-Code SLI, Tag-IT HFI (CSN)	Mifare Classic 1k & 4k (CSN, S/B, MAD); DESfire (CSN); Mifare DESfire EVI (CSN, File), Mifare UltraLight & my-D prox (CSN, B); STM LRI512, my-C, my-D vic, I-Code SLI, Tag-IT HFI (CSN)	Mifare Classic 1k & 4k (CSN, sector/block), Mifare DESfire EV1 (CSN, File)	Mifare Classic 1k & 4k (CSN, sector/block), Mifare DESfire EV1 (CSN, File)	Mifare Classic 1k & 4k, Mifare UltraLight, my-D proximity, my-C, my-D vicinity, I-Code SLI, Tag-IT HFI, STM LRI512 (all CSN)	Mifare Classic 1k & 4k, Mifare UltraLight, my-D proximity, my-C, my-D vicinity, I-Code SLI, I-Code1, I-Code EPC, Tag-IT HFI, LRI512
Loop reader kit. Consists of a BC270 loop coupler and a BC5311 reader interface. Used for applications such as "invisible" hands-free access control and Automatic Vehicle Identification (AVI).	Card-only reader. Square design. Smart two-part construction makes it very easy to mount. Supplied with surface mounting frame.	Card-only reader. Square design. Smart two-part construction makes it very easy to mount. Supplied with surface mounting frame.	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. Rectangular design. Economical. Configuration 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.	
Active card: 100–300 cm (depending on the loop)	7 cm	7 cm	4 cm	4 cm	7 cm	7 cm	
Clock&Data or Wiegand	RS485-monitored CerPass/UCI protocol, Clock&Data or Wiegand	RS485-monitored CerPass/UCI protocol, Clock&Data or Wiegand	RS485-monitored CerPass/UCI protocol, Clock&Data or Wiegand	RS485-monitored CerPass/UCI protocol, Clock&Data or Wiegand	Clock&Data or Wiegand	RS232 interface for connection to a personal computer.	
10 to 35 VDC	12 to 24 VDC	12 to 24 VDC	12 to 24 VDC	12 to 24 VDC	9 to 15 VDC	Power supply included	
300 mA @ 12 VDC	165 mA @ 12 VDC	165 mA @ 12 VDC	64 mA @ 12 VDC	64 mA @ 12 VDC	80 mA @ 12 VDC	–	
–	1 x LED (red/yellow/green), 1 x buzzer	1 x LED (red/yellow/green), 1 x buzzer	3 x LED (red/yellow/green), 1 x buzzer	3 x LED (red/yellow/green), 1 x buzzer	2 x LED (red/green) 1 x buzzer	1 x LED (red/yellow/green), 1 x buzzer	
Indoor for the reader interface and indoor or outdoor for the loop coupler	Indoor or outdoor use	Indoor or outdoor use	Indoor or outdoor use	Indoor or outdoor use	Indoor or outdoor use	Indoor use only	
–40 to +70 °C (BC270) 0 to +50 °C (BC5311)	–20 to +60 °C	–20 to +60 °C	–20 to +70 °C	–20 to +70 °C	–25 to +60 °C	–25 to +60 °C	
IP66 (BC270)	IP65	IP65	IP65	IP65	IP65	IP22	
UV-resistant ABS plastic	PC/ABS plastic	PC/ABS plastic	PC/ABS plastic	PC/ABS plastic	Synthetic ABS/PBT	PC/ABS plastic	
Light grey	Silver (RAL 9006)	Silver (RAL 9006)	Silver (RAL 9006)	Silver (RAL 9006)	Silver (RAL 9006)	Silver (RAL 9006)	
BC270: 80 x 160 x 56 BC5311: 110 x 195 x 40 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	With mounting frame 85.5 x 91 x 40 mm W/o mounting frame 85.5 x 91 x 23 mm	76 x 120 x 17 mm	85.5 x 91 x 40 mm	
No	No	Membrane keys	No	Membrane keys	No	No	
CE	CE, FCC, UL	CE, FCC, UL	CE	CE	CE, FCC, UL	CE, FCC	
None	SH1 universal rain cover	SH1 universal rain cover	SH1 universal rain cover	SH1 universal rain cover	SH1 universal rain cover	None	
IB911, IB928, IB970	ABP5100-PR ABP5100-BL	ABP5100-PR ABP5100-BL	ABP5100-PR ABP5100-BL	ABP5100-PR ABP5100-BL	ABP5100-PR ABP5100-BL	ABP5100-PR ABP5100-BL	
S24246-F4702-A1	6FL7170-8BK	6FL7170-8BL	6FL7170-8AH	6FL7170-8AJ	6FL7170-8DK	6FL7170-8CK	

Accessories							
							
SH1	SH2	SH3	SH4	IS391	BB3	BB4	BB6
SH1 is a universal protective cover for card readers. It is recommended for outdoor installations.	SH2 is a protective cover for K42, K44Duo, M43, PP500-EM and PP500-Cotag. There are cuttings for cables to simplify the process of adding it to an existing installation.	SH3 is a protective cover for BM3, BM31, BT41, BT44 and BTK41. There are cuttings for cables to simplify the process of adding it to an existing installation.	SH4 is a protective cover for BC615 and BC43. There are cuttings for cables to simplify the process of adding it to an existing installation.	IS391 is designed for use where higher security is needed. It can be used with K42, K44Duo, M43, PP500-EM and PP500-Cotag. It prevents others from seeing which buttons the user presses on the keyboard.	BB3 is a flush mounting kit designed to provide an unobtrusive and aesthetically appealing installation of the K42, K44Duo, M43, PP500-EM and PP500-Cotag.	BB4 is a flush mounting kit designed to provide an unobtrusive and aesthetically appealing installation of the BC615 Mag-stripe and 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	1
210 x 225 x 160	104 x 168 x 90	104 x 225 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-Z5400-A1	S24246-Z3655-A1	S24246-Z3551-A1	S24246-Z3552-A1	S24246-Z3653-A1	S24246-Z3553-A1

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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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