

---

## Millenium

Functionality is more than  
switching on or off



---

## Find exactly what you are looking for.

The Millennium series offers control, functionality and convenience that will always fit the desired look and feel of the building.







## Ultra slim design in different finishes



Thanks to a combined system, the switches of the Millenium series provide a comprehensive range of solutions for single rooms or whole building concepts. The square and ultra slim switches do not only add quality and style to the overall building, but are easy to install.

**01** Stainless Steel

**02** Silk Black \*

**03** Antique Gold

**04** Matt Gold

**05** Stainless Steel and Silk Black

**06** Silk Black and Stainless Steel

**07** Antique Gold and Silk Black

**08** Matt Gold and Silk Black

\* Silk Black not suitable to installation outdoors

**01**



**02**



**03**



**04**



**05**



**06**



**07**



**08**





# Everything under control



The Millenium collection is the first metal range to incorporate the KNX system, the most intelligent way of managing spaces and optimizing performance in terms of energy saving.

## Optimizing comfort, safety and efficiency of buildings:

- Providing with complete comfort solutions to satisfy all type of needs and projects.
- Ensuring safety and protection of persons and goods.
- Saving energy by using only the amount of energy required.

- 01** KNX 6 fold sensor
- 02** KNX 6 fold with IR sensor
- 03** KNX 180° watchdog
- 04** KNX room temperature controller



# Freedom is a wonderful feeling



With Millenium collection ABB-free@home® all functions in the home can be managed automatically – according to time schedule, temperature and movement detector – or be called up at the touch of a button. Every combination of the various functions is possible. More comfortable living. ABB-free@home® makes daily life easier.

## Millenium Range

01



02



03



04



01 Switch 1/2gang, Stainless Steel

02 Switch 2/4gang, Stainless Steel

03 Movement detector, Stainless Steel

04 Room temperature controller, Stainless Steel



Blind



Light



Heating



Air conditioning



Door communication



Now scan the QR code to find out more about the advantages of ABB-free@home®

<http://www.abb.com/freeathome>



# Access Control: the right choice for Hotels applications



ABB's access control KNX-based solutions are perfectly adaptable not only to the needs of hotel industry operators, but to the hospitality sector in general (apartment hotels, B & Bs, holiday apartments, and resorts).

**ABB access control is based on MIFARE transponder technology, exploiting its flexibility and security:**

- Simplified and centralized management of all hotel functions from the front desk via the supervision software.
- Energy efficiency and cost savings (activation of the room's electrical devices only when occupied by the guest).
- Safety, thanks to room access via transponder card.
- Additional guest services integrated, managing access to every hotel common areas.

- 01** Transponder reader  
**02** Transponder holder  
**03** Set of 10 MIFARE transponder cards  
**04** MiniMAC 4.1 software





## Maximum respect for the planet

Nowadays it is not enough to simply design on the basis of aesthetics. The responsibility of manufacturers towards the environment means that they have to think about ecological designs.

At ABB we are convinced that the intelligent use of technology makes sustainability and maximum respect for the planet possible. So our products care for both people and the world around them.

These are some of the environmental improvements offered by Millenium:



- Millenium light signals are based on LED technology, leading to a saving in energy consumption of 50%, and extending their life to up to 10 years.
- Recyclable packaging, optimised to reduce raw material consumption.
- Optimization of Millenium's design, production and distribution process in order to reduce the impact in the environment.
- All our products comply with ROHS.



Millenium range has been designed following the requirements of norm ISO 14006 Environmental management systems / guidelines for incorporating Ecodesign certificate.



# Applications

Millenium is based on a combinable concept which creates a very comprehensive range, suitable for any type of needs.

This makes it the ideal collection for all types of homes, hotels, offices, shops, etc.



## Homes:

Its simple and minimalist design integrates in any type of architecture, regardless of the decoration. It provides a wealth of features and value, thanks to its wide range of functions and benefits.



## Hotels:

Millenium is specially suitable for Hotel projects thanks to its modern design, fashion materials and functionalities that provide high comfort level to the hotel guests. Its KNX, free@home, access control, Sound system and more functions make a special contribution to the Guest Room System in the daily management of the hotel, achieving energy savings and high tech comfort.



## Commercials:

The Millenium collection offers elegance and distinction to commercial spaces designed for different purposes; restaurants, coffee shops, stores, offices, etc. Millenium is the perfect match to improve living space.





# Features and benefits

## Innovation, design and technology Made in Spain

Millenium's design and functionality converts into numerous technical and installation advantages

Modern and contemporary finishes, made in real stainless steel material, AISI 304 to complete the four elegant finishes of Millenium: Stainless Steel, Silk Black, Antique Gold, and Matt Gold.

Designed by the famous European designer **Josep LLuscá**.



Slim line design, only 4 mm height with straight and square lines at the forefront. Rocker with attractive chrome profile that gives a distinctive glance.

First British Standard range with wide rocker and metal finish. Screwless front plate ultra slim design.

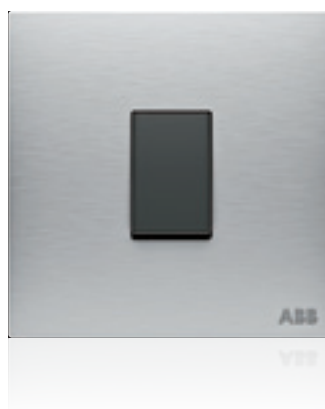
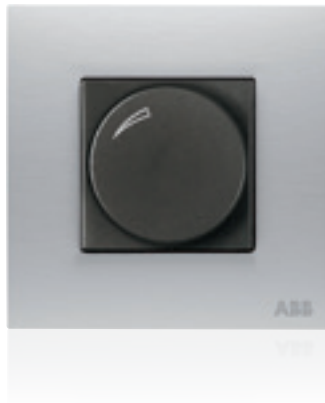


ABB warranty policy for Millenium collection:

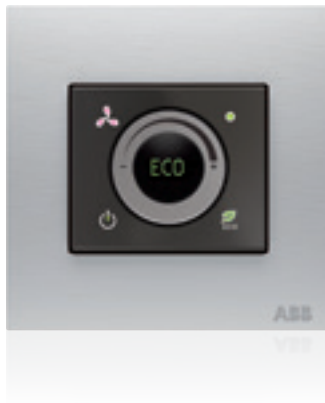
- 10 years for mechanical switches and socket outlets
- 1 year for electronic devices

Large variety of sockets outlets, equipped with shutters for increased safety. Single and double pole, round pin, universal socket outlet, references with and without led indicator, 13 A and 15 A. All equipped with child protection safety shutter system.



Control your LED lamps redefining the use of light and using only a 50% of the energy of conventional lamps. Comfortable light control in a trice. Press the rotary knob and dim the light darker or brighter as required. The technology of the LED dimmers is based on transistors, avoiding humming noise.

Easy to install, simple and adaptable. Allows the use of bigger screws helping installation in any situation and place. Additionally, strong centered bridles allow to absorb differences in uneven walls up to 2 mm height in order to keep the installation perfect under any circumstances.



First British Standard range of wiring accessories with Ecodesign Certificate. Millenium has been designed from its conception to reduce the environmental impact throughout the product life cycle from design, production, operation, distribution and product recall.



Millenium offers a complete solution for any commercial project and especially for hotels, including within its range of wiring accessories not only special conventional solutions for hotels (DND/MUR switch, card switch, electronic thermostat, etc) but also VDI connectors, USB charger, KNX, free@home, access control and sound systems.



# Features and benefits

Full range of KNX and free@home sensors, innovate, intuitive and visually elegant. Millenium gives answer to the future by providing comfort, safety, and energy saving.

Millenium collection is a grid type system enabling combination of colours and products of different dimension and functionality. The three type of switch dimensions together with the KNX and free@home sensors and other functions, have to be composed with the required frame in order to have the right assortment of functionality and design. In KNX sensors we have the possibility to adjoin to the frame the special metal mounting plate that allows to reduce the height so as to maintain the ultra slim line for KNX functionalities.



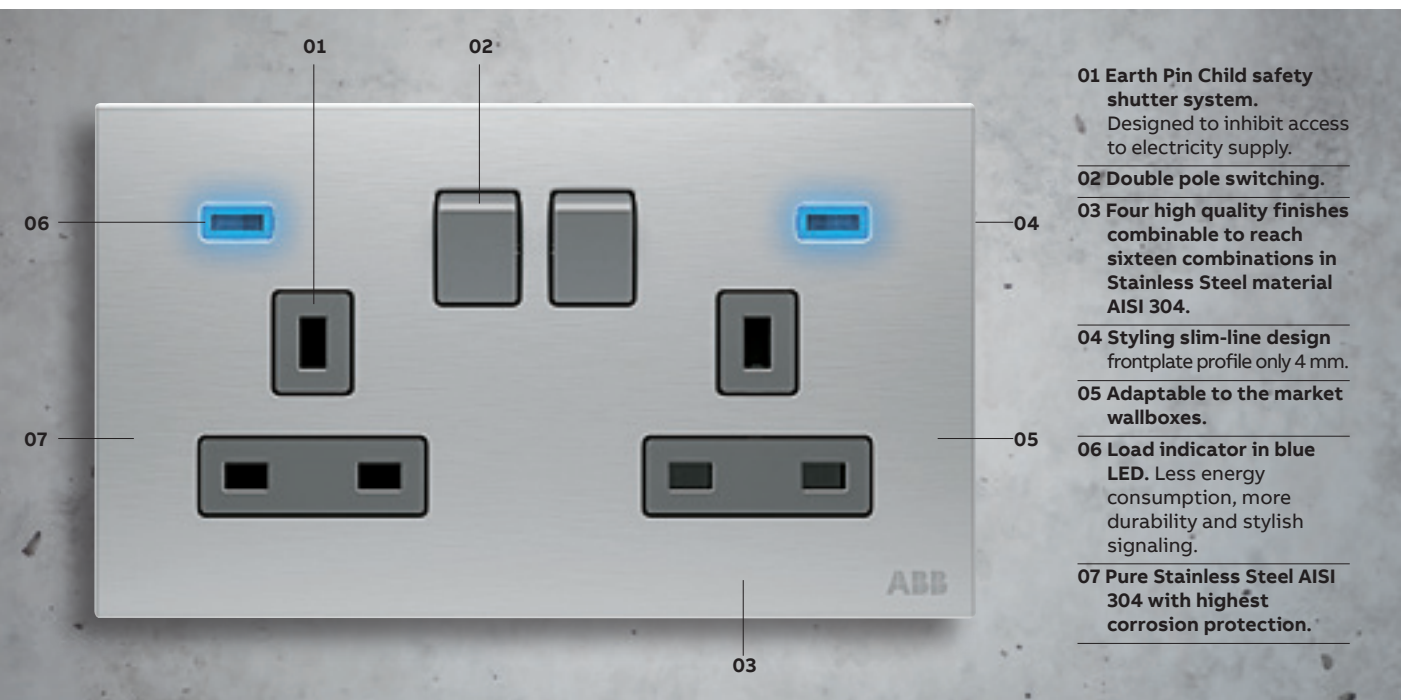
Mounting Plate



Premium rocker switch



Frame



- 01 Earth Pin Child safety shutter system.**  
Designed to inhibit access to electricity supply.
- 02 Double pole switching.**
- 03 Four high quality finishes combinable to reach sixteen combinations in Stainless Steel material AISI 304.**
- 04 Styling slim-line design**  
frontplate profile only 4 mm.
- 05 Adaptable to the market wallboxes.**
- 06 Load indicator in blue LED.** Less energy consumption, more durability and stylish signaling.
- 07 Pure Stainless Steel AISI 304 with highest corrosion protection.**

## Millenium - Complete sets (AM)



Millenium offers high quality complete sets. Each unique reference contains mechanism, frame and mounting plate; making easier the ordering, handling and installation. A reliable and complete collection with all functionality at first sight.

Millenium offers a wide and elegant choice of finishes in stainless steel AISI 304 material: from the Brush Stainless Steel, to the soft new touch given by the Silk Black, and the luxury of the sophisticated gold finishes, Matt Gold and Antique Gold.

**ST** Stainless Steel






**SB** Silk Black \*






**MG** Matt Gold

**AG** Antique Gold

\* Silk Black not suitable to installation outdoors


## 1 Gang switches


Product	Article-No.	Order-No.	Pack/Qty
	<b>Switch 1-gang, 1-way, SP 10AX</b> Rated voltage: 250Vac Rated current: 10AX		
Stainless Steel	<b>AM10120-ST</b>	2CLA610109N1101	1
	<b>Switch 1-gang, 2-way, SP 10AX</b> Rated voltage: 250Vac Rated current: 10AX		
Stainless Steel	<b>AM10520-ST</b>	2CLA610209N1101	1
	<b>Switch 1-gang, intermediate, SP 10AX</b> Rated voltage: 250Vac Rated current: 10AX		
Stainless Steel	<b>AM11920-ST</b>	2CLA611009N1101	1
	<b>Switch 1-gang, 1-way, SP 20AX</b> Rated voltage: 250Vac Rated current: 20AX		
Stainless Steel	<b>AM11020-ST</b>	2CLA610119N1101	1
	<b>Switch 1-gang, 2-way, SP 20AX</b> Rated voltage: 250Vac Rated current: 20AX		
Stainless Steel	<b>AM11520-ST</b>	2CLA610219N1101	1


Product	Article-No.	Order-No.	Pack/Qty
	<b>Switch 1-gang, 1-way, DP 20AX</b> Rated voltage: 250Vac Rated current: 20AX Status indicator LED		
Stainless Steel	<b>AM11120-ST</b>	2CLA610139N1101	1
	<b>Switch 1-gang, 1-way, DP water heater 20AX</b> Rated voltage: 250Vac Rated current: 20AX Water heater indicator LED		
Stainless Steel	<b>AM10920-ST</b>	2CLA610149N1101	1
	<b>Switch 1-gang, 2-way, SP with bell symbol 10AX</b> Rated voltage: 250Vac Rated current: 10AX Bell symbol indicator LED		
Stainless Steel	<b>AM18120-ST</b>	2CLA610299N1101	1
	<b>Push-button 1-gang, 1-way, SP 10A</b> Rated voltage: 250Vac Rated current: 10A		
Stainless Steel	<b>AM43020-ST</b>	2CLA610409N1101	1
	<b>Push-button 1-gang, 1-way, SP with bell symbol</b> Rated voltage: 250Vac Rated current: 10A Bell symbol indicator LED		
Stainless Steel	<b>AM42920-ST</b>	2CLA610449N1101	1


## Millenium - Complete sets (AM)


### 1 Gang switches. Premium rocker


Product	Article-No.	Order-No.	Pack/Qty
	<b>Switch 1-gang, 1-way, SP premium 10AX</b> Rated voltage: 250Vac Rated current: 10AX Premium size rocker		
	Stainless Steel	<b>AM10144-ST</b>	2CLA620109N1101 1


	<b>Switch 1-gang, 2-way, SP premium 10AX</b> Rated voltage: 250Vac Rated current: 10AX Premium size rocker		
	Stainless Steel	<b>AM10544-ST</b>	2CLA620209N1101 1


	<b>Switch 1-gang, intermediate, SP premium 10AX</b> Rated voltage: 250Vac Rated current: 10AX Premium size rocker		
	Stainless Steel	<b>AM11944-ST</b>	2CLA621009N1101 1


	<b>Switch 1-gang, 1-way, SP premium 20AX</b> Rated voltage: 250Vac Rated current: 20AX Premium size rocker		
	Stainless Steel	<b>AM11044-ST</b>	2CLA620119N1101 1


	<b>Switch 1-gang, 2-way, SP premium 20AX</b> Rated voltage: 250Vac Rated current: 20AX Premium size rocker		
	Stainless Steel	<b>AM11544-ST</b>	2CLA620219N1101 1

Product	Article-No.	Order-No.	Pack/Qty
	<b>Fan isolator 3 poles 10A</b> Rated voltage: 250Vac Rated current: 10A Premium size rocker		
	Stainless Steel	<b>AM13444-ST</b>	2CLA620509N1101 1

	<b>Switch 1-gang, 2-way, SP premium w/bell symbol 10AX</b> Rated voltage: 250Vac Rated current: 10AX Bell symbol indicator LED Premium size rocker		
	Stainless Steel	<b>AM18144-ST</b>	2CLA620299N1101 1

	<b>Push-button 1-gang, 1-way, SP premium 10A</b> Rated voltage: 250Vac Rated current: 10A Premium size rocker		
	Stainless Steel	<b>AM43044-ST</b>	2CLA620409N1101 1


	<b>Push-button 1-gang, 1-way, SP premium w/bell symbol 10A</b> Rated voltage: 250Vac Rated current: 10A Bell symbol indicator LED Premium size rocker		
	Stainless Steel	<b>AM42944-ST</b>	2CLA620449N1101 1


	<b>Switch 1-gang, 1-way, DP premium 45A</b> Rated voltage: 250Vac Rated current: 45A Status indicator LED Premium size rocker		
	Stainless Steel	AM17744-ST	2CLA620149N1101 1
	Silk Black	AM17744-SB	2CLA620149N1501 1
	Antique Gold	AM17744-AG	2CLA620149N1601 1
	Matt Gold	AM17744-MG	2CLA620149N1701 1





## Millenium - Complete sets (AM)

### 2 Gang switches


Product	Article-No.	Order-No.	Pack/Qty
	<b>Switch 2-gang, 1-way, SP 10AX</b> Rated voltage: 250Vac Rated current: 2 x 10AX		
Stainless Steel	<b>AM10244-ST</b>	2CLA621109N1101	1


	<b>Switch 2-gang, 2-way, SP 10AX</b> Rated voltage: 250Vac Rated current: 2 x 10AX		
Stainless Steel	<b>AM10644-ST</b>	2CLA622209N1101	1


	<b>Switch 2-gang, 1-way, SP 20AX</b> Rated voltage: 250Vac Rated current: 2 x 20AX		
Stainless Steel	<b>AM11444-ST</b>	2CLA621119N1101	1

	<b>Switch 2-gang, 2-way, SP 20AX</b> Rated voltage: 250Vac Rated current: 2 x 20AX		
Stainless Steel	<b>AM11644-ST</b>	2CLA622219N1101	1


### 3 Gang switches


Product	Article-No.	Order-No.	Pack/Qty
	<b>Switch 3-gang, 2-way, SP 10AX</b> Rated voltage: 250Vac Rated current: 10AX Total		
Stainless Steel	<b>AM10753-ST</b>	2CLA630209N1101	1

	<b>Switch 3-gang, 2-way, SP 16AX</b> Rated voltage: 250Vac Rated current: 16AX Total		
Stainless Steel	<b>AM12153-ST</b>	2CLA630219N1101	1

	<b>Push-button 3-gang, 2-way, SP 10AX</b> Rated voltage: 250Vac Rated current: 10AX Total		
Stainless Steel	<b>AM43053-ST</b>	2CLA630409N1101	1


### 4 Gang switches


Product	Article-No.	Order-No.	Pack/Qty
	<b>Switch 4-gang, 2-way, SP 10AX</b> Rated voltage: 250Vac Rated current: 4 x 10AX		
Stainless Steel	<b>AM19188-ST</b>	2CLA640209N1101	1


	<b>Switch 4-gang, 2-way, SP 20AX</b> Rated voltage: 250Vac Rated current: 4 x 20AX		
Stainless Steel	<b>AM19588-ST</b>	2CLA640219N1101	1


## Millenium - Complete sets (AM)


### Socket outlets


Product	Article-No.	Order-No.	Pack/Qty
	<b>BS SP switched socket outlet 13A</b> Rated voltage: 250Vac Rated current: 13A Single pole Dual earth with child safety shutter system		
	Stainless Steel	AM23386-ST	2CLA623739N1101
	Silk Black	AM23386-SB	2CLA623739N1501
	Antique Gold	AM23386-AG	2CLA623739N1601
	Matt Gold	AM23386-MG	2CLA623739N1701


	<b>BS DP switched socket outlet 13A</b> Rated voltage: 250Vac Rated current: 13A Double pole Dual earth with child safety shutter system		
	Stainless Steel	AM23786-ST	2CLA623719N1101
	Silk Black	AM23786-SB	2CLA623719N1501
	Antique Gold	AM23786-AG	2CLA623719N1601
	Matt Gold	AM23786-MG	2CLA623719N1701


	<b>BS SP switched socket outlet w/LED 13A</b> Rated voltage: 250Vac Rated current: 13A Single pole Indicator LED Dual earth with child safety shutter system		
	Stainless Steel	AM23486-ST	2CLA623749N1101
	Silk Black	AM23486-SB	2CLA623749N1501
	Antique Gold	AM23486-AG	2CLA623749N1601
	Matt Gold	AM23486-MG	2CLA623749N1701

	<b>BS DP switched socket outlet w/LED 13A</b> Rated voltage: 250Vac Rated current: 13A Double pole Indicator LED Dual earth with child safety shutter system		
	Stainless Steel	AM23886-ST	2CLA623729N1101
	Silk Black	AM23886-SB	2CLA623729N1501
	Antique Gold	AM23886-AG	2CLA623729N1601
	Matt Gold	AM23886-MG	2CLA623729N1701

Product	Article-No.	Order-No.	Pack/Qty
	<b>BS DP switched socket outlet, 2-gang 13A</b> Rated voltage: 250Vac Rated current: 13A Double pole Dual earth with child safety shutter system		
	Stainless Steel	AM239147-ST	2CLA643719N1101
	Silk Black	AM239147-SB	2CLA643719N1501
	Antique Gold	AM239147-AG	2CLA643719N1601
	Matt Gold	AM239147-MG	2CLA643719N1701


	<b>BS DP switched SO w/LED, 2-gang 13A</b> Rated voltage: 250Vac Rated current: 13A Double pole Indicator LED Dual earth with child safety shutter system		
	Stainless Steel	AM240147-ST	2CLA643729N1101
	Silk Black	AM240147-SB	2CLA643729N1501
	Antique Gold	AM240147-AG	2CLA643729N1601
	Matt Gold	AM240147-MG	2CLA643729N1701


	<b>BS DP round pin switched outlet 5A</b> Rated voltage: 250Vac Rated current: 5A Double pole Child safety shutter system		
	Stainless Steel	AM22186-ST	2CLA623759N1101
	Silk Black	AM22186-SB	2CLA623759N1501
	Antique Gold	AM22186-AG	2CLA623759N1601
	Matt Gold	AM22186-MG	2CLA623759N1701

	<b>BS DP round pin switched outlet 15A</b> Rated voltage: 250Vac Rated current: 15A Double pole Child safety shutter system		
	Stainless Steel	AM20986-ST	2CLA623769N1101
	Silk Black	AM20986-SB	2CLA623769N1501
	Antique Gold	AM20986-AG	2CLA623769N1601
	Matt Gold	AM20986-MG	2CLA623769N1701

## Millenium - Complete sets (AM)

### Socket outlets

Product	Article-No.	Order-No.	Pack/Qty
	<b>BS DP round pin switched outlet w/LED 15A</b> Rated voltage: 250Vac Rated current: 15A Double pole Indicator LED Child safety shutter system		
Stainless Steel	AM23186-ST	2CLA623779N1101	1
Silk Black	AM23186-SB	2CLA623779N1501	1
Antique Gold	AM23186-AG	2CLA623779N1601	1
Matt Gold	AM23186-MG	2CLA623779N1701	1




### Universal switched socket outlet 13A

Rated voltage: 250Vac

Rated current: 13A

Child safety shutter system


Stainless Steel	AM29486-ST	2CLA623919N1101	1
Silk Black	AM29486-SB	2CLA623919N1501	1
Antique Gold	AM29486-AG	2CLA623919N1601	1
Matt Gold	AM29486-MG	2CLA623919N1701	1




**Cooker control unit**  
 Rated voltage: 250Vac  
 Main switch:  
 Rated current: 45A  
 Double pole  
 Indicator LED  
 Socket outlet:  
 Rated current: 13A  
 Child safety shutter system  
 Indicator LED  
 Flush wall box 45mm

Stainless Steel	AM118147-ST	2CLA643749N1101	1
Silk Black	AM118147-SB	2CLA643749N1501	1
Antique Gold	AM118147-AG	2CLA643749N1601	1
Matt Gold	AM118147-MG	2CLA643749N1701	1


### Voice data & information connectors

Product	Article-No.	Order-No.	Pack/Qty	
	<b>Telephone outlet RJ11, 1-gang</b>			
	4 pole			
	UTP			
	Stainless Steel	AM32144-ST	2CLA611709N1101	1
	Silk Black	AM32144-SB	2CLA611709N1501	1
Antique Gold	AM32144-AG	2CLA611709N1601	1	
Matt Gold	AM32144-MG	2CLA611709N1701	1	




**BT master telephone outlet RJ11/RJ12, 1-gang**  
 BT master  
 6 pole  
 UTP

Stainless Steel	AM30544-ST	2CLA611889N1101	1
Silk Black	AM30544-SB	2CLA611889N1501	1
Antique Gold	AM30544-AG	2CLA611889N1601	1
Matt Gold	AM30544-MG	2CLA611889N1701	1



**BT secondary telephone outlet RJ11/RJ12, 1-gang**  
 BT secondary  
 6 pole  
 UTP

Stainless Steel	AM30644-ST	2CLA611899N1101	1
Silk Black	AM30644-SB	2CLA611899N1501	1
Antique Gold	AM30644-AG	2CLA611899N1601	1
Matt Gold	AM30644-MG	2CLA611899N1701	1





**Computer outlet RJ45 Cat. 5E UTP, 1-gang**  
 8 pole  
 UTP


Stainless Steel	AM33144-ST	2CLA611859N1101	1
Silk Black	AM33144-SB	2CLA611859N1501	1
Antique Gold	AM33144-AG	2CLA611859N1601	1
Matt Gold	AM33144-MG	2CLA611859N1701	1


## Millenium - Complete sets (AM)


### Voice data & information connectors


Product	Article-No.	Order-No.	Pack/Qty
	<b>Computer outlet RJ45 Cat. 6 UTP, 1-gang</b> 8 pole UTP		
	Stainless Steel	AM33344-ST	2CLA611869N1101
	Silk Black	AM33344-SB	2CLA611869N1501
	Antique Gold	AM33344-AG	2CLA611869N1601
	Matt Gold	AM33344-MG	2CLA611869N1701


	<b>Computer outlet RJ45 Cat. 6A, 1-gang</b> 8 pole Cat 6A		
	Stainless Steel	AM33644-ST	2CLA611879N1101
	Silk Black	AM33644-SB	2CLA611879N1501
	Antique Gold	AM33644-AG	2CLA611879N1601
	Matt Gold	AM33644-MG	2CLA611879N1701


	<b>RJ45 single adapter</b> For connectors type Keystone, AMP, Brand-Rex, Openet-ICS, THT, Leviton, Krone		
	Stainless Steel	AM33544-ST	2CLA621819N1101
	Silk Black	AM33544-SB	2CLA621819N1501
	Antique Gold	AM33544-AG	2CLA621819N1601
	Matt Gold	AM33544-MG	2CLA621819N1701

	<b>Computer outlet RJ45 Cat. 5E UTP, 2-gang</b> 8 pole UTP		
	Stainless Steel	AM33244-ST	2CLA621859N1101
	Silk Black	AM33244-SB	2CLA621859N1501
	Antique Gold	AM33244-AG	2CLA621859N1601
	Matt Gold	AM33244-MG	2CLA621859N1701

Product	Article-No.	Order-No.	Pack/Qty
	<b>Computer outlet RJ45 Cat. 6 UTP, 2-gang</b> 8 pole UTP		
	Stainless Steel	AM32944-ST	2CLA621869N1101
	Silk Black	AM32944-SB	2CLA621869N1501
	Antique Gold	AM32944-AG	2CLA621869N1601
	Matt Gold	AM32944-MG	2CLA621869N1701

	<b>Computer outlet RJ45 Cat. 6A, 2-gang</b> 8 pole Cat 6A		
	Stainless Steel	AM33744-ST	2CLA621879N1101
	Silk Black	AM33744-SB	2CLA621879N1501
	Antique Gold	AM33744-AG	2CLA621879N1601
	Matt Gold	AM33744-MG	2CLA621879N1701


	<b>RJ45 double adapter</b> For connectors type Keystone, AMP, Brand-Rex, Openet-ICS, THT, Leviton, Krone		
	Stainless Steel	AM33444-ST	2CLA621829N1101
	Silk Black	AM33444-SB	2CLA621829N1501
	Antique Gold	AM33444-AG	2CLA621829N1601
	Matt Gold	AM33444-MG	2CLA621829N1701


	<b>TV outlet, 1-gang</b> M type isolated dead-end-feeder.		
	Stainless Steel	AM30144-ST	2CLA615009N1101
	Silk Black	AM30144-SB	2CLA615009N1501
	Antique Gold	AM30144-AG	2CLA615009N1601
	Matt Gold	AM30144-MG	2CLA615009N1701



## Millenium - Complete sets (AM)


### Voice data & information connectors

Product	Article-No.	Order-No.	Pack/Qty	
	<b>TV/SAT outlet</b> F type isolated dead-end-feeder.			
	Stainless Steel	AM31344-ST	2CLA625009N1101	1
	Silk Black	AM31344-SB	2CLA625009N1501	1
	Antique Gold	AM31344-AG	2CLA625009N1601	1
	Matt Gold	AM31344-MG	2CLA625009N1701	1




**SAT outlet**  
F type isolated dead-end-feeder.

Stainless Steel	AM30344-ST	2CLA615109N1101	1
Silk Black	AM30344-SB	2CLA615109N1501	1
Antique Gold	AM30344-AG	2CLA615109N1601	1
Matt Gold	AM30344-MG	2CLA615109N1701	1




**SAT twin outlet F type**  
F type isolated dead-end-feeder.

Stainless Steel	AM32344-ST	2CLA625109N1101	1
Silk Black	AM32344-SB	2CLA625109N1501	1
Antique Gold	AM32344-AG	2CLA625109N1601	1
Matt Gold	AM32344-MG	2CLA625109N1701	1





**SAT twin outlet F type**  
2 terminals

Stainless Steel	AM34144-ST	2CLA622919N1101	1
Silk Black	AM34144-SB	2CLA622919N1501	1
Antique Gold	AM34144-AG	2CLA622919N1601	1
Matt Gold	AM34144-MG	2CLA622919N1701	1

Product	Article-No.	Order-No.	Pack/Qty	
	<b>Flex outlet 20A</b> Rated current: 20A			
	Stainless Steel	AM55044-ST	2CLA620729N1101	1
	Silk Black	AM55044-SB	2CLA620729N1501	1
	Antique Gold	AM55044-AG	2CLA620729N1601	1
	Matt Gold	AM55044-MG	2CLA620729N1701	1

### Dimmers

Product	Article-No.	Order-No.	Pack/Qty	
	<b>Double rotary dimmer, 2x1-gang</b> Rated voltage: 230V~ +/-10 50 Hz. Min. power: 20W / VA. Max. power: - Incandescent lamps: 250 W. - Halogen lamps with ferromagnetic transformers: 150 VA. Operating temperature: 0° C to +30° C. For special ambient temperature read the recommendations in the user´s manual.			
	Stainless Steel	AM41244-ST	2CLA616039N1101	1
	Silk Black	AM41244-SB	2CLA616039N1501	1
	Antique Gold	AM41244-AG	2CLA616039N1601	1
	Matt Gold	AM41244-MG	2CLA616039N1701	1





**Rotary dimmer, 2-gang**  
Rated voltage: 250V~ +/-10 50 Hz.  
Min. power: 40W / VA.  
Max. power:  
- Incandescent lamps: 400W.  
- Halogen lamps with ferromagnetic transformers: 300 VA.  
Operating temperature: 0° C to +30° C.

Stainless Steel	AM41344-ST	2CLA626039N1101	1
Silk Black	AM41344-SB	2CLA626039N1501	1
Antique Gold	AM41344-AG	2CLA626039N1601	1
Matt Gold	AM41344-MG	2CLA626039N1701	1

## Millenium - Complete sets (AM)

### Thermostats

Product	Article-No.	Order-No.	Pack/Qty
	<b>Thermostat 2 pipe w/blue display</b>		
	Rated voltage: 250Vac		
	Rated power: 200W		
	Sensor: NTC		
	Temperature setting: 5° C - 35° C		
	Temp adjustment: +/- 1° C		
Depth: 25,5 mm.			
Stainless Steel	AM41786-ST	2CLA624059N1101	1
Silk Black	AM41786-SB	2CLA624059N1501	1
Antique Gold	AM41786-AG	2CLA624059N1601	1
Matt Gold	AM41786-MG	2CLA624059N1701	1



**Thermostat 4 pipe w/blue display**

Rated voltage: 250Vac

Rated power: 200W

Sensor: NTC


Temperature setting: 5° C - 35° C


Temp adjustment: +/- 1° C

Depth: 25,5 mm.


Stainless Steel	AM42086-ST	2CLA624069N1101	1
Silk Black	AM42086-SB	2CLA624069N1501	1
Antique Gold	AM42086-AG	2CLA624069N1601	1
Matt Gold	AM42086-MG	2CLA624069N1701	1

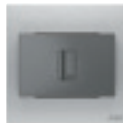
### Hotel equipment

Product	Article-No.	Order-No.	Pack/Qty
	<b>Bell push switch DND/MUR w/LED 10A</b> Rated voltage: 230Vac Rated current: 10A Red LED "Do Not Disturb" Green LED "Make Up Room" Premium size rocker		
	Stainless Steel	<b>AM40344-ST</b>	2CLA621589N1101

	<b>Switch DND/MUR w/LED, 2 gang 10A</b> Rated voltage: 230Vac Rated current: 10A Red LED "Do Not Disturb" Green LED "Make Up Room" Double rocker			
	Stainless Steel	<b>AM40444-ST</b>	2CLA621509N1101	1


### Hotel equipment

Product	Article-No.	Order-No.	Pack/Qty
	<b>Blind control switch 16AX</b> Rated voltage: 230Vac Rated current: 16AX Outputs: 2 normally open contact Multi-way input terminal (up/down) Double rocker		
	Stainless Steel	AM11844-ST	2CLA624419N1101




**Card switch 16AX**  
Rated voltage: 250Vac  
Rated current: 16AX  
Includes indication LED


Stainless Steel	AM40244-ST	2CLA621419N1101	1
Silk Black	AM40244-SB	2CLA621419N1501	1
Antique Gold	AM40244-AG	2CLA621419N1601	1
Matt Gold	AM40244-MG	2CLA621419N1701	1



**Electronic card switch 16AX**  
 Rated voltage: 250Vac  
 Rated current: 16AX  
 Includes indication LED  
 Time relay : 5-90 sec.  
 Cards up to 54 mm width.

Stainless Steel	AM40544-ST	2CLA621459N1101	1
Silk Black	AM40544-SB	2CLA621459N1501	1
Antique Gold	AM40544-AG	2CLA621459N1601	1
Matt Gold	AM40544-MG	2CLA621459N1701	1

	<b>Spare Led for card switches</b> Rated voltage: 250Vac Rated current: 0.7mA Frontal replacement.		
	AM50093-BL	2CLA619309N1001	1



**Shaver socket outlet**

Rated voltage: 20VA / 230Vac

Outputs: 115V and 230V


Dimensions: 150x90x54mm


Flush wall box not included (45mm depth minimum)

Stainless Steel	AM40188-ST	2CLA680309N1101	1
Silk Black	AM40188-SB	2CLA680309N1501	1
Antique Gold	AM40188-AG	2CLA680309N1601	1
Matt Gold	AM40188-MG	2CLA680309N1701	1

## Millenium - Complete sets (AM)


### Various

Product	Article-No.	Order-No.	Pack/Qty	
	<b>Blank plate</b> Premium size			
	Stainless Steel	AM50444-ST	2CLA620009N1101	1
	Silk Black	AM50444-SB	2CLA620009N1501	1
	Antique Gold	AM50444-AG	2CLA620009N1601	1
	Matt Gold	AM50444-MG	2CLA620009N1701	1




**Fuse connection unit w/flex outlet 13A**  
Rated voltage: 230Vac  
Rated current: 13A  
Fuse size: Ø6.3x25mm  
Fuse breaking capacity: 6kA 264V~ 50Hz  
Fuse according to BS1362

Stainless Steel	AM50653-ST	2CLA630809N1101	1
Silk Black	AM50653-SB	2CLA630809N1501	1
Antique Gold	AM50653-AG	2CLA630809N1601	1
Matt Gold	AM50653-MG	2CLA630809N1701	1









**Fuse connection unit w/flex outlet w/LED 13A**  
Rated voltage: 230Vac  
Rated current: 13A  
Fuse size: Ø6.3x25mm  
Fuse breaking capacity: 6kA 264V~ 50Hz  
Fuse according to BS1362  
Status indicator LED

Stainless Steel	AM50853-ST	2CLA630859N1101	1
Silk Black	AM50853-SB	2CLA630859N1501	1
Antique Gold	AM50853-AG	2CLA630859N1601	1
Matt Gold	AM50853-MG	2CLA630859N1701	1



**Switched fuse connection unit w/flex outlet w/LED 13A**  
 Rated voltage: 230Vac  
 Rated current: 13A  
 Fuse size: Ø6.3x25mm  
 Fuse breaking capacity: 6kA 264V~ 50Hz  
 Fuse according to BS1362  
 Status indicator LED

Stainless Steel	AM50753-ST	2CLA630829N1101	1
Silk Black	AM50753-SB	2CLA630829N1501	1
Antique Gold	AM50753-AG	2CLA630829N1601	1
Matt Gold	AM50753-MG	2CLA630829N1701	1

Product	Article-No.	Order-No.	Pack/Qty
     	For use with: AM11120-XX, AMD11120-XX, AM18120-XX, AMD18120-XX, AM42920-XX, AMD42920-XX, AM18144-XX, AMD18144-XX, AM42944-XX and AMD42944-XX.		
Key symbol	AM50100-CH	2CLA600100N1101	10
Fan symbol	AM50200-CH	2CLA600100N1201	10
Wc symbol	AM50300-CH	2CLA600100N1301	10
Room service symbol	AM50400-CH	2CLA600100N1401	10
Nurse symbol	AM50500-CH	2CLA600100N1501	10
Stop symbol	AM50600-CH	2CLA600100N1601	10

## Millenium - Grid system for combination (AMD)

Millenium collection is a grid type system enabling combination of colours and products of different dimension and functionality. The three type of switch dimensions together with the KNX and free@home sensors and other functions, have to be composed with the required frame in order to have the right assortment of functionality and design. In KNX sensors we have the possibility to adjoin to the frame the special metal mounting plate that allows to reduce the height so as to maintain the ultra slim line for KNX functionalities.



Mounting Plate





Premium rocker switch




Frame

### Rocker switch


Product	Article-No.	Order-No.	Pack/Qty	
	<b>Switch 1-gang, 1-way, SP 10AX</b> Rated voltage: 250Vac Rated current: 10AX			
	Stainless Steel	AMD10120-ST	2CLA610100N1101	10
	Silk Black	AMD10120-SB	2CLA610100N1501	10
	Antique Gold	AMD10120-AG	2CLA610100N1601	10
	Matt Gold	AMD10120-MG	2CLA610100N1701	10

Product	Article-No.	Order-No.	Pack/Qty	
	<b>Switch 1-gang, 1-way, DP 20AX</b> Rated voltage: 250Vac Rated current: 20AX Status indicator LED			
	Stainless Steel	AMD11120-ST	2CLA610130N1101	10
	Silk Black	AMD11120-SB	2CLA610130N1501	10
	Antique Gold	AMD11120-AG	2CLA610130N1601	10
	Matt Gold	AMD11120-MG	2CLA610130N1701	10



**Switch 1-gang, 1-way, SP 20AX**  
Rated voltage: 250Vac  
Rated current: 20AX


Stainless Steel	AMD11020-ST	2CLA610110N1101	10
Silk Black	AMD11020-SB	2CLA610110N1501	10
Antique Gold	AMD11020-AG	2CLA610110N1601	10
Matt Gold	AMD11020-MG	2CLA610110N1701	10


	<b>Switch 1-gang, 1-way, DP water heater 20AX</b> Rated voltage: 250Vac Rated current: 20AX Water heater indicator LED			
	Stainless Steel	AMD10920-ST	2CLA610140N1101	10
	Silk Black	AMD10920-SB	2CLA610140N1501	10
	Antique Gold	AMD10920-AG	2CLA610140N1601	10
	Matt Gold	AMD10920-MG	2CLA610140N1701	10





## Millenium - Grid system for combination (AMD)


### Rocker switch


Product	Article-No.	Order-No.	Pack/Qty
	<b>Switch 1-gang, 2-way, SP 10AX</b> Rated voltage: 250Vac Rated current: 10AX		
	Stainless Steel	AMD10520-ST	2CLA610200N1101
	Silk Black	AMD10520-SB	2CLA610200N1501
	Antique Gold	AMD10520-AG	2CLA610200N1601
	Matt Gold	AMD10520-MG	2CLA610200N1701

	<b>Switch 1-gang, 2-way, SP 20AX</b> Rated voltage: 250Vac Rated current: 20AX		
	Stainless Steel	AMD11520-ST	2CLA610210N1101
	Silk Black	AMD11520-SB	2CLA610210N1501
	Antique Gold	AMD11520-AG	2CLA610210N1601
	Matt Gold	AMD11520-MG	2CLA610210N1701


	<b>Switch 1-gang, 2-way, SP with bell symbol 10AX</b> Rated voltage: 250Vac Rated current: 10AX Bell symbol indicator LED		
	Stainless Steel	AMD18120-ST	2CLA610290N1101
	Silk Black	AMD18120-SB	2CLA610290N1501
	Antique Gold	AMD18120-AG	2CLA610290N1601
	Matt Gold	AMD18120-MG	2CLA610290N1701

	<b>Switch 1-gang, intermediate, SP 10AX</b> Rated voltage: 250Vac Rated current: 10AX		
	Stainless Steel	AMD11920-ST	2CLA611000N1101
	Silk Black	AMD11920-SB	2CLA611000N1501
	Antique Gold	AMD11920-AG	2CLA611000N1601
	Matt Gold	AMD11920-MG	2CLA611000N1701

Product	Article-No.	Order-No.	Pack/Qty
	<b>Push-button 1-gang, 1-way, SP 10A</b> Rated voltage: 250Vac Rated current: 10A		
	Stainless Steel	AMD43020-ST	2CLA610400N1101
	Silk Black	AMD43020-SB	2CLA610400N1501
	Antique Gold	AMD43020-AG	2CLA610400N1601
	Matt Gold	AMD43020-MG	2CLA610400N1701


	<b>Push-button 1-gang, 1-way, SP with bell symbol 10A</b> Rated voltage: 250Vac Rated current: 10A Bell symbol indicator LED		
	Stainless Steel	AMD42920-ST	2CLA610440N1101
	Silk Black	AMD42920-SB	2CLA610440N1501
	Antique Gold	AMD42920-AG	2CLA610440N1601
	Matt Gold	AMD42920-MG	2CLA610440N1701


### Rocker switch frames


Product	Article-No.	Order-No.	Pack/Qty
	<b>Rocker switch frame 1-gang</b> Includes metal mounting frame Dimensions 86x86 mm.		
	Stainless Steel	AMD5120-ST	2CLA617100N1101
	Silk Black	AMD5120-SB	2CLA617100N1501
	Antique Gold	AMD5120-AG	2CLA617100N1601
	Matt Gold	AMD5120-MG	2CLA617100N1701


## Millenium - Grid system for combination (AMD)


### Premium rocker switch


Product	Article-No.	Order-No.	Pack/Qty
	<b>Switch 1-gang, 1-way, SP premium 10AX</b> Rated voltage: 250Vac Rated current: 10AX Premium size rocker		
	Stainless Steel	AMD10144-ST 2CLA620100N1101	10
	Silk Black	AMD10144-SB 2CLA620100N1501	10
	Antique Gold	AMD10144-AG 2CLA620100N1601	10
	Matt Gold	AMD10144-MG 2CLA620100N1701	10


	<b>Switch 1-gang, 1-way, SP premium 20AX</b> Rated voltage: 250Vac Rated current: 20AX Premium size rocker		
	Stainless Steel	AMD11044-ST 2CLA620110N1101	10
	Silk Black	AMD11044-SB 2CLA620110N1501	10
	Antique Gold	AMD11044-AG 2CLA620110N1601	10
	Matt Gold	AMD11044-MG 2CLA620110N1701	10


Product	Article-No.	Order-No.	Pack/Qty
	<b>Switch 1-gang, 2-way, SP premium 10AX</b> Rated voltage: 250Vac Rated current: 10AX Premium size rocker		
	Stainless Steel	AMD10544-ST 2CLA620200N1101	10
	Silk Black	AMD10544-SB 2CLA620200N1501	10
	Antique Gold	AMD10544-AG 2CLA620200N1601	10
	Matt Gold	AMD10544-MG 2CLA620200N1701	10

	<b>Switch 1-gang, 2-way, SP premium 20AX</b> Rated voltage: 250Vac Rated current: 20AX Premium size rocker		
	Stainless Steel	AMD11544-ST 2CLA620210N1101	10
	Silk Black	AMD11544-SB 2CLA620210N1501	10
	Antique Gold	AMD11544-AG 2CLA620210N1601	10
	Matt Gold	AMD11544-MG 2CLA620210N1701	10

Product	Article-No.	Order-No.	Pack/Qty
	<b>Switch 1-gang, 2-way, SP premium w/bell symbol 10AX</b> Rated voltage: 250Vac Rated current: 10AX Bell symbol indicator LED Premium size rocker		
	Stainless Steel	AMD18144-ST 2CLA620290N1101	10
	Silk Black	AMD18144-SB 2CLA620290N1501	10
	Antique Gold	AMD18144-AG 2CLA620290N1601	10
	Matt Gold	AMD18144-MG 2CLA620290N1701	10


	<b>Switch 1-gang, intermediate, SP premium 10AX</b> Rated voltage: 250Vac Rated current: 10AX Premium size rocker		
	Stainless Steel	AMD11944-ST 2CLA621000N1101	10
	Silk Black	AMD11944-SB 2CLA621000N1501	10
	Antique Gold	AMD11944-AG 2CLA621000N1601	10
	Matt Gold	AMD11944-MG 2CLA621000N1701	10


Product	Article-No.	Order-No.	Pack/Qty
	<b>Push-button 1-gang, 1-way, SP premium 10A</b> Rated voltage: 250Vac Rated current: 10A Premium size rocker		
	Stainless Steel	AMD43044-ST 2CLA620400N1101	10
	Silk Black	AMD43044-SB 2CLA620400N1501	10
	Antique Gold	AMD43044-AG 2CLA620400N1601	10
	Matt Gold	AMD43044-MG 2CLA620400N1701	10


	<b>Push-button 1-gang, 1-way, SP premium w/bell symbol 10A</b> Rated voltage: 250Vac Rated current: 10A Bell symbol indicator LED Premium size rocker		
	Stainless Steel	AMD42944-ST 2CLA620440N1101	10
	Silk Black	AMD42944-SB 2CLA620440N1501	10
	Antique Gold	AMD42944-AG 2CLA620440N1601	10
	Matt Gold	AMD42944-MG 2CLA620440N1701	10


## Millenium - Grid system for combination (AMD)

### Premium rocker frames


Product	Article-No.	Order-No.	Pack/Qty
	<b>Premium rocker switch frame 1-gang</b> Includes metal mounting frame Dimensions 86x86 mm.		
	Stainless Steel	AMD5044-ST 2CLA617110N1101	10
	Silk Black	AMD5044-SB 2CLA617110N1501	10
	Antique Gold	AMD5044-AG 2CLA617110N1601	10
	Matt Gold	AMD5044-MG 2CLA617110N1701	10


	<b>Premium/double rocker switch frame 2-gang</b> Includes metal mounting frame Dimensions 86x147 mm.		
	Stainless Steel	AMD5244-ST 2CLA647200N1101	10
	Silk Black	AMD5244-SB 2CLA647200N1501	10
	Antique Gold	AMD5244-AG 2CLA647200N1601	10
	Matt Gold	AMD5244-MG 2CLA647200N1701	10


	<b>Premium/half/double rocker switch frame 3-gang</b> Includes metal mounting frame Dimensions 86x228 mm.		
	Stainless Steel	AMD5344-ST 2CLA667310N1101	5
	Silk Black	AMD5344-SB 2CLA667310N1501	5
	Antique Gold	AMD5344-AG 2CLA667310N1601	5
	Matt Gold	AMD5344-MG 2CLA667310N1701	5


	<b>Premium/half/double rocker switch frame 4-gang</b> Includes metal mounting frame Dimensions 86x293 mm.		
	Stainless Steel	AMD5444-ST 2CLA687410N1101	5
	Silk Black	AMD5444-SB 2CLA687410N1501	5
	Antique Gold	AMD5444-AG 2CLA687410N1601	5
	Matt Gold	AMD5444-MG 2CLA687410N1701	5

### Half/double rocker switches

Product	Article-No.	Order-No.	Pack/Qty
	<b>Switch 1-gang, 1-way, half rocker 10AX</b> Rated voltage: 250Vac Rated current: 10AX Half rocker size		
	Stainless Steel	AMD10222-ST 2CLA680100N1101	10
	Silk Black	AMD10222-SB 2CLA680100N1501	10
	Antique Gold	AMD10222-AG 2CLA680100N1601	10
	Matt Gold	AMD10222-MG 2CLA680100N1701	10


	<b>Switch 1-gang, 2-way, half rocker 10AX</b> Rated voltage: 250Vac Rated current: 10AX Half rocker size		
	Stainless Steel	AMD10622-ST 2CLA680200N1101	10
	Silk Black	AMD10622-SB 2CLA680200N1501	10
	Antique Gold	AMD10622-AG 2CLA680200N1601	10
	Matt Gold	AMD10622-MG 2CLA680200N1701	10


	<b>Switch 1-gang, intermediate, half rocker 10AX</b> Rated voltage: 250Vac Rated current: 10AX Half rocker size		
	Stainless Steel	AMD12922-ST 2CLA681000N1101	10
	Silk Black	AMD12922-SB 2CLA681000N1501	10
	Antique Gold	AMD12922-AG 2CLA681000N1601	10
	Matt Gold	AMD12922-MG 2CLA681000N1701	10


	<b>Push button 1-gang, 1-way, half rocker 10A</b> Rated voltage: 250Vac Rated current: 10A Half rocker size		
	Stainless Steel	AMD43222-ST 2CLA680400N1101	10
	Silk Black	AMD43222-SB 2CLA680400N1501	10
	Antique Gold	AMD43222-AG 2CLA680400N1601	10
	Matt Gold	AMD43222-MG 2CLA680400N1701	10

## Millenium - Grid system for combination (AMD)

### Half/double rocker switches


Product	Article-No.	Order-No.	Pack/Qty	
	<b>Switch 1-gang, 1-way, half rocker 20AX</b> Rated voltage: 250Vac Rated current: 20AX Half rocker size			
	Stainless Steel	AMD11422-ST	2CLA680110N1101	10
	Silk Black	AMD11422-SB	2CLA680110N1501	10
	Antique Gold	AMD11422-AG	2CLA680110N1601	10
	Matt Gold	AMD11422-MG	2CLA680110N1701	10


	<b>Switch 1-gang, 2-way, half rocker 20AX</b>			
	Rated voltage: 250Vac			
	Rated current: 20AX			
	Half rocker size			
Stainless Steel	AMD11622-ST	2CLA680210N1101	10	
Silk Black	AMD11622-SB	2CLA680210N1501	10	
Antique Gold	AMD11622-AG	2CLA680210N1601	10	
Matt Gold	AMD11622-MG	2CLA680210N1701	10	




**Switch blind control**  
 Rated voltage: 250Vac  
 Rated power: 16AX  
 Output: 2 normally open contact  
 Multi-way input terminal (up/down)

Stainless Steel	AMD11844-ST	2CLA624410N1101	10
Silk Black	AMD11844-SB	2CLA624410N1501	10
Antique Gold	AMD11844-AG	2CLA624410N1601	10
Matt Gold	AMD11844-MG	2CLA624410N1701	10

Product	Article-No.	Order-No.	Pack/Qty	
	<b>Push button 2-gang, DND/MUR with bell symbol 10A</b> Rated voltage: 250Vac Rated power: 10A Do Not Disturb Make Up my Room LED signalling			
	Stainless Steel	AMD40344-ST	2CLA621580N1101	5
	Silk Black	AMD40344-SB	2CLA621580N1501	5
	Antique Gold	AMD40344-AG	2CLA621580N1601	5
	Matt Gold	AMD40344-MG	2CLA621580N1701	5

	<b>Switch 2-gang, DND/MUR 10AX</b> Rated voltage: 250Vac Rated power: 10AX Do Not Disturb Make Up my Room LED signalling			
	Stainless Steel	AMD40444-ST	2CLA621500N1101	5
	Silk Black	AMD40444-SB	2CLA621500N1501	5
	Antique Gold	AMD40444-AG	2CLA621500N1601	5
	Matt Gold	AMD40444-MG	2CLA621500N1701	5




**Fan isolator 3 poles double 10A**  
 Rated voltage: 250Vac  
 Rated power: 10A  
 3 poles


Stainless Steel	AMD13444-ST	2CLA620500N1101	10
Silk Black	AMD13444-SB	2CLA620500N1501	10
Antique Gold	AMD13444-AG	2CLA620500N1601	10
Matt Gold	AMD13444-MG	2CLA620500N1701	10



## Millenium - Grid system for combination (AMD)


### Half/double rocker & other functions frames

Product	Article-No.	Order-No.	Pack/Qty	
	<b>Half/double rocker &amp; other functions frame 1-gang</b> Includes metal mounting frame Dimensions 86x86 mm.			
	Stainless Steel	AMD5144-ST	2CLA627100N1101	10
	Silk Black	AMD5144-SB	2CLA627100N1501	10
	Antique Gold	AMD5144-AG	2CLA627100N1601	10
	Matt Gold	AMD5144-MG	2CLA627100N1701	10




**Premium/half/double rocker switch frame 2-gang**  
Includes metal mounting frame  
Dimensions 86x147 mm.

Stainless Steel	AMD5244-ST	2CLA647200N1101	10
Silk Black	AMD5244-SB	2CLA647200N1501	10
Antique Gold	AMD5244-AG	2CLA647200N1601	10
Matt Gold	AMD5244-MG	2CLA647200N1701	10



**Premium/half/double rocker switch frame 3-gang**  
Includes metal mounting frame  
Dimensions 86x228 mm.


Stainless Steel	AMD5344-ST	2CLA667310N1101	5
Silk Black	AMD5344-SB	2CLA667310N1501	5
Antique Gold	AMD5344-AG	2CLA667310N1601	5
Matt Gold	AMD5344-MG	2CLA667310N1701	5




**Premium/half/double rocker switch frame 4-gang**  
Includes metal mounting frame  
Dimensions 86x293 mm.

Stainless Steel	AMD5444-ST	2CLA687410N1101	5
Silk Black	AMD5444-SB	2CLA687410N1501	5
Antique Gold	AMD5444-AG	2CLA687410N1601	5
Matt Gold	AMD5444-MG	2CLA687410N1701	5


### Triple rocker switch

Product	Article-No.	Order-No.	Pack/Qty	
	<b>Switch 3-gang, 2-way, triple rocker 10AX</b> Rated voltage: 250Vac Rated power: 10AX Total			
	Stainless Steel	AMD10753-ST	2CLA630200N1101	10
	Silk Black	AMD10753-SB	2CLA630200N1501	10
	Antique Gold	AMD10753-AG	2CLA630200N1601	10
	Matt Gold	AMD10753-MG	2CLA630200N1701	10



**Switch 3-gang, 2-way, triple rocker 16AX**  
Rated voltage: 250Vac  
Rated power: 16AX Total

Stainless Steel	AMD12153-ST	2CLA630210N1101	10
Silk Black	AMD12153-SB	2CLA630210N1501	10
Antique Gold	AMD12153-AG	2CLA630210N1601	10
Matt Gold	AMD12153-MG	2CLA630210N1701	10

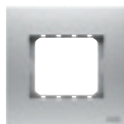



**Push button 3-gang, 2-way, triple rocker 10AX**  
Rated voltage: 250Vac  
Rated power: 10AX Total

Stainless Steel	AMD43053-ST	2CLA630400N1101	10
Silk Black	AMD43053-SB	2CLA630400N1501	10
Antique Gold	AMD43053-AG	2CLA630400N1601	10
Matt Gold	AMD43053-MG	2CLA630400N1701	10

## Millenium - Grid system for combination (AMD)

### Triple rocker & KNX sensor frames


Product	Article-No.	Order-No.	Pack/Qty	
	<b>Triple rocker switch/KNX sensors frame 1-gang</b> Includes metal mounting frame Dimensions 86x86 mm.			
	Stainless Steel	AMD5153-ST	2CLA637100N1101	10
	Silk Black	AMD5153-SB	2CLA637100N1501	10
	Antique Gold	AMD5153-AG	2CLA637100N1601	10
	Matt Gold	AMD5153-MG	2CLA637100N1701	10




**Triple rocker switch/KNX sensors frame 2-gang**  
Includes metal mounting frame  
Dimensions 86x147 mm.


Stainless Steel	AMD5253-ST	2CLA667200N1101	10
Silk Black	AMD5253-SB	2CLA667200N1501	10
Antique Gold	AMD5253-AG	2CLA667200N1601	10
Matt Gold	AMD5253-MG	2CLA667200N1701	10

### Socket outlet

Product	Article-No.	Order-No.	Pack/Qty
	<b>Universal socket outlet</b> Rated voltage/current: 230Vac/13A, 127Vac/15A Child protection Combination with frames AMD5144-XX & AMD5244-XX		
	Anthracite	AMD39144-AN	2CLA623900N1801


### USB charger


Product	Article-No.	Order-No.	Pack/Qty
	<b>USB charger 2A, 1-gang - 1M</b> Input voltage: 110-230V AC $\pm 10\%$ ; 50/60 Hz Input current: $<0.2A$ AC at maximum load Consumption in standby: $<10$ mW at 230 VAC, without load Nominal output voltage: 5 VDC $\pm 5\%$ Output current per plug: 2000mA at 5 V DC Operating temperature: $0^{\circ}C$ to $45^{\circ}C$ Energy efficiency: $> 79\%$ Overload protection and auto-restart Combination with frames: AMD5144-XX & AMD5244-XX		
	Anthracite	<b>AMD85222-AN</b>	2CLA618520N1801


	<b>USB charger 1.500mA, 2-gang - 2M</b> "Input voltage: 100 - 240 Vac $\pm 10\%$ ; 50/60 Hz. Input current: 0,20 A (with maximum load). Output voltage: 5 Vdc $\pm 5\%$ . Output current: 1.500 mA (total for both gangs). Power consumption in stand-by: $\leq 0,3W@230Vac$ . Energy efficiency: $\geq 71\%$ . Operating temperature: $0^{\circ}C$ to $35^{\circ}C$ . Combination with frames: AMD5144-XX & AMD5244-XX		
	Anthracite	AMD85144-AN	2CLA628500N1801


## Millenium - Grid system for combination (AMD)


### Voice data & information connectors


Product	Article-No.	Order-No.	Pack/Qty
	<b>Data outlet RJ45 Cat 6 UTP 1-gang - 1M</b> 8 pole UTP Combination with frames: AMD5144-XX & AMD5244-XX		
Anthracite	<b>AMD33322-AN</b>	2CLA611860N1801	10


	<b>Data outlet RJ45 Cat 6A UTP 1-gang - 1M</b> 8 pole UTP Combination with frames: AMD5144-XX & AMD5244-XX		
Anthracite	<b>AMD33422-AN</b>	2CLA611870N1801	10


	<b>TV/SAT terminal outlet F type - 1M</b> F type isolated dead-end-feeder. Combination with frames AMD5144-XX & 5244-XX		
Anthracite	<b>AMD30322-AN</b>	2CLA615000N1801	10


	<b>TV terminal outlet M type - 1M</b> Single TV outlet - Dead-end M type - 9,52 mm. male For 75Ω impedance coaxial cable Avoid small bending radius Frequency range: 5 - 2.400 Mhz Connection loss: 1 dB Isolation: >16 dB Return loss: >7,6 dB DC path (Vdc / mA / Tono): 34 max. / 500 max. / 22kHz - DiSEqC Combination with frames AMD5144-XX & 5244-XX		
Anthracite	<b>AMD30122-AN</b>	2CLA615070N1801	10


	<b>TV/SAT terminal outlet F type - 2M</b> F type isolated dead-end-feeder. Combination with frames AMD5144-XX & 5244-XX		
Anthracite	<b>AMD30344-AN</b>	2CLA625000N1801	5


	<b>2RCA connection unit</b> Front: 2x RCA connectors (Red / White) Rear: screw terminals (4 wires) Combination with frames AMD5144-XX & 5244-XX		
Anthracite	<b>AMD55222-AN</b>	2CLA615520N1801	1


Product	Article-No.	Order-No.	Pack/Qty
	<b>3RCA connection unit</b> Front: 3x RCA connectors (Red / White / Yellow) Rear: screw terminals (6 wires) Combination with frames AMD5144-XX & 5244-XX		
Anthracite	<b>AMD55322-AN</b>	2CLA615530N1801	1


	<b>Mini-Jack connection unit</b> Front: 1x Mini-Jack connector (3,5mm stereo audio jack) Rear: screw terminals (3/4 wires) Combination with frames AMD5144-XX & 5244-XX		
Anthracite	<b>AMD55422-AN</b>	2CLA615540N1801	1

	<b>VGA connection unit</b> Front: 1x VGA connector (DE-15 connector) Rear: screw terminals (15 wires) Combination with frames AMD5144-XX & 5244-XX		
Anthracite	<b>AMD55522-AN</b>	2CLA615550N1801	1

	<b>HDMI connector female</b> Front: 1x HDMI connector (Type A connector) Rear: 1x HDMI connector (Type A connector) fitted at 90° angle Combination with frames AMD5144-XX & 5244-XX		
Anthracite	<b>AMD55722-AN</b>	2CLA615570N1801	5


	<b>HDMI connector screwless</b> Front: 1x HDMI connector (Type A connector) Rear: screwless terminals (20 wires) Combination with frames AMD5144-XX & 5244-XX		
Anthracite	<b>AMD55122-AN</b>	2CLA615510N1801	1


	<b>USB connector female</b> USB adaptor. No charger Front: 1x USB 2.0 connector (Type A connector) Rear: 1x USB 2.0 connector (Type A connector) fitted at 90° angle Combination with frames AMD5144-XX & 5244-XX		
Anthracite	<b>AMD55922-AN</b>	2CLA615590N1801	1


	<b>USB connector w/screw</b> USB adaptor. No charger Front: 1x USB 2.0 connector (Type A connector) Rear: screw terminals (5 wires) Combination with frames AMD5144-XX & 5244-XX		
Anthracite	<b>AMD55822-AN</b>	2CLA615580N1801	1

## Millenium - Grid system for combination (AMD)


### Dimmers

Product	Article-No.	Order-No.	Pack/Qty
	<b>LED rotatory/push dimmer - 2M</b> Rated voltage: 230 Vac $\pm$ 10%. Frequency: 50 Hz (Nominal power: 250 W/VA) / 60 Hz (Nominal power: 200 W/VA). Power (min./max load): - LEDi: 2 / 100 W/VA (max. 10 lamps). - Dimmable energy saving lamps: 2 / 100 W/VA (max. 10 lamps). - LV LEDi with transformer (only type L or LC): 4 / 100 W/VA (max. 10 lamps). - Incandescent lamps: 10 / 250 W/VA. - Halogen lamps: 10 / 250 W/VA. - LV halogen with transformer (only type L or LC): 10 / 250 W/VA (max. 10 lamps). 2 wire connection. Optional: auxiliary on/off with 2-way switch. Indicator LED lamp included. Back-up fuse: Electronic. Overload protection: Electronic. Ambient temperature: 0° C to +35° C. Combination with frames AMD5144-XX & 5244-XX		
Anthracite	<b>AMD60344-AN</b>	2CLA626030N1801	1


	<b>Universal rotatory/push dimmer - 2M</b> Rated voltage: 230 Vac ; 50 Hz. Min. power: 60 W / VA. Max. power: - Incandescent: 500 W. - Halogen lamp with electronic transformer: 500 VA. - Halogen lamp with ferromagnetic transformer: 400 VA. 2 wire connection. Optional: auxiliary control with push-buttons. Indicator LED lamp included. Operating temperature: 0° C to +30° C. Combination with frames AMD5144-XX & 5244-XX		
Anthracite	<b>AMD60244-AN</b>	2CLA626020N1801	1

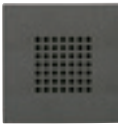
	<b>1-10V rotary dimmer - 2M</b> Rated voltage: 127 - 230 Vac ; 50-60 Hz Dimmable electronic ballast/driver with 1-10V control input. Max. power: - 230 Vac: 700 VA. - 127 Vac: 350 VA. Max. 6 ballasts per device. Indicator LED lamp included. Combination with frames AMD5144-XX & 5244-XX		
Anthracite	<b>AMD60944-AN</b>	2CLA626090N1801	1


### Motion sensor

Product	Article-No.	Order-No.	Pack/Qty
	<b>110° motion sensor - 2M</b> Rated voltage: 127 - 230 Vac $\pm$ 10% ; 50 - 60 Hz Outputs: 1 Normally Open (NO). Potential free Max. power: - Incandescent: 1.800W @230Vac / 1.000W @127Vac - Halogen with electronic or ferromagnetic transformer: 750VA @230Vac / 400VA @127Vac - Fluorescent lamps or motors: 400VA @230Vac / 200VA @127Vac For automatic switching of devices dependent on motion and brightness. With integrated selector switch for ON-AUTOMATIC-OFF in the front side. Switch-off delay: 10 sec to 10 min or short-time pulse 1 sec adjustable (from the front side). Detection range: 5 m radius. Adjustable light set point level for activation (from the front side). Detection angle: 110 ° Mounting height: 1,2 m Auxiliary control with push-buttons Temperature range (Device): -10 °C to 40 °C Combination with frames AMD5144-XX & 5244-XX		
Anthracite	<b>AMD41144-AN</b>	2CLA624100N1801	1

### Various

Product	Article-No.	Order-No.	Pack/Qty
	<b>Blank insert 1M</b> Blank insert 1 module Combination with frames AMD5144-XX & 5244-XX		
Anthracite	<b>AMD50422-AN</b>	2CLA610000N1801	10





	<b>Buzzer - 2M</b> Rated voltage: 127-230 Vac ; 50-60 Hz. Rated power: 8 VA. Adjustable tone. Acoustic power at 1 meter with cover plate: 75 dB. Combination with frames AMD5144-XX & 5244-XX		
Anthracite	<b>AMD19144-AN</b>	2CLA621900N1801	5

	<b>Electronic door bell 230Vac - 2M</b> Rated voltage: 230 Vac ; 50-60 Hz. 4 melodies available. Acoustic power at 1 meter with cover plate: 72 dB. Combination with frames AMD5144-XX & 5244-XX		
Anthracite	<b>AMD24144-AN</b>	2CLA622400N1801	5



## Millenium - Grid system for combination (AMD)


### Sound system

Product	Article-No.	Order-No.	Pack/Qty
	<b>FM stereo receiver with RDS</b> Rated voltage: 230 Vac $\pm 15\%$ / 50-60 Hz Max. consumption: 100 mA Stand-by consumption with the display illumination at minimum: 0.2 W Stand-by consumption ref. AMD68044-AN + AMD68344-AN9368: 0.6 W Maximum output power: 2+2 W; <1% distortion (16 W) Speaker Impedance: 16 W (2+2 W audio) Combination with frames AMD5144-XX & 5244-XX		
	Anthracite	AMD68044-AN	2CLA626800N1801 1
	<b>Input/output, USB &amp; Bluetooth® module</b> Power supply through AUX.: 9 V Bluetooth® v2.1 2.4GHz IEEE 802.15.1 Maximum reach from the module to user's Bluetooth® device: 10 m. Maximum consumption: 175 ~ 200 mA Consumption stand-by: 0.4 W Headphones impedance: 16 ~ 600 $\Omega$ (25 + 25 mW audio phones) Combination with frames AMD5144-XX & 5244-XX		
	Anthracite	AMD68344-AN	2CLA626830N1801 1
	<b>Remote control unit for 9368.1</b> Power supply: 230 V~ / 127 V~; $\pm 15\%$ ; 50-60 Hz Maximum power consumption ref. 9368.2: 15 mA Stand-by consumption with the display illumination at minimum: 0.5 W Stand-by consumption ref. AMD68244-AN + AMD68344-AN: 0.9 W Combination with frames AMD5144-XX & 5244-XX		
	Anthracite	AMD68244-AN	2CLA626820N1801 1
	<b>Radio/amplifier module for ceiling with Bluetooth® 9368.1</b> Bluetooth®: 230 V~ / 127 V~; $\pm 15\%$ ; 50-60 Hz Maximum reach from the module to user's Bluetooth® device: 10 m. Maximum power consumption: 200 mA Consumption stand-by: 0.3 W Antenna impedance: 75 $\Omega$ Maximum power headphone output: 6+6 W; <1% distortion (4 $\Omega$ ) Minimum impedance of headphones: 4 $\Omega$ (6+6 W audio)		
		9368.1	2CLA936810A1002 10


Product	Article-No.	Order-No.	Pack/Qty
	<b>Loudspeaker 5"</b> Installation in flush box ref. 9399 drilling 17mm or embedded ring ref. 9399.1 drilling 160mm. Max. Power: 6W Impedance: 16 $\Omega$ Response frequency: 70Hz to 10kHz		
	9329.1	2CLA932910A1001	1
	<b>Flush box for loudspeaker 5"</b>		
	9399	2CLA939900A1001	12
	<b>Embedded ring for loudspeaker 5"</b>		
	9399.1	2CLA939910A1001	12
	<b>Styling grid for loudspeaker 5"</b>		
	9399.2	2CLA939920A1001	12


## Millenium - Grid system for combination (AMD)


ABB free@home


Product	Article-No.	Order-No.	Pack/Qty
	<p><b>For switching 230 V~ consumers.</b>  <b>With integrated switch actuator.</b>  <b>Switching function is available also without prior programming (pre-configured).</b>  <b>Only to be used in combination with ABB-free@home® 1/2-Fold sensor cover plate.</b>            44 mm. × 44 mm. × 45 mm.            Outputs: 1× normally open contact, potential free.            Suitable for: ohmic. Rated current: 10 A. Rated power: 2300 W.            Suitable for: capacitive. Rated current: 10 AX.            Protection class of device: IP 20.            Mounting depth: 32 mm.</p>		
	SSA-F-1.1.PB.1	2CKA006220A0232	1


	<p><b>For dimming 230 V~ loads.</b>  <b>With integrated universal dimming actuator for controlling different lamps.</b>  <b>The dimming function is available also without prior programming (pre-configured).</b>  <b>Only to be used in combination with ABB-free@ home® 1/2-Fold sensor cover plate.</b>            44 mm. × 44 mm. × 45 mm.            Outputs: 1× dimming channel.            Suitable for: 230 V incandescent lamps and low-voltage halogen lamps with conventional transformers or electronic transformers. Rated power: 10 – 180 W / VA.            Suitable for: LEDi and energy-saving bulbs; typical.            Rated power: 2 – 80 W / VA.            Protection class of device: IP 20.            Mounting depth: 32 mm.</p>		
	SDA-F-1.1.PB.1	2CKA006220A0235	1

	<p><b>For controlling blind and awning motors. With integrated blind actuator.</b>  <b>Blind function is available also without prior programming (pre-configured).</b>  <b>Only to be used in combination with ABB-free@ home® 1/2-Fold sensor cover plate.</b>            44 mm. × 44 mm. × 45 mm.            Outputs: 1× Change-over contacts/ normally open contact, potential bound. Rated power: 920 VA.            Rated current: 4 A.            Suitable for: Operating mode blind.            Protection class of device: IP 20.            Mounting depth: 32 mm.</p>		
	SBA-F-1.1.PB.1	2CKA006220A0237	1

Product	Article-No.	Order-No.	Pack/Qty
	<p><b>For sending switching, dimming and blind commands to an ABB-free@home® actuator.</b>  <b>Only to be used in combination with ABB-free@home® 1/2-Fold sensor cover plate.</b>            44 mm. × 44 mm. × 45 mm.            Control: Push buttons up/down.            LEDs: Used as orientation light or as switching status.            Protection class of device: IP 20.            Mounting depth: 9 mm.</p>		
	SU-F-1.0.PB.1	2CKA006220A0222	1





	<p><b>1/2-Fold sensor cover plate</b>            Cover plate ABB-free@ home® 1/2-Fold sensor for the SSA-F-1.1.PB.1, SDAF-1.1.PB.1, SBA-F-1.1.PB.1 and SU-F-1.0.PB.1 sensors.            Combination with frames AMD5144-XX &amp; AMD5244-XX</p>		
	SR-2-AMAN	2CLA622620N1801	5

	<p><b>For switching 230 V~ consumers.</b>  <b>With one integrated switch actuator.</b>  <b>Switching function is available also without prior programming (pre-configured).</b>  <b>Only to be used in combination with ABB-free@home® 2/4-Fold sensor cover plate.</b>            44 mm. × 44 mm. × 45 mm.            Outputs: 1× normally open contact, potential free.            Suitable for: ohmic. Rated current: 10 A. Rated power: 2300 W.            Suitable for: capacitive. Rated current: 10 AX.            Protection class of device: IP 20.            Mounting depth: 32 mm.</p>		
	SSA-F-2.1.PB.1	2CKA006220A0233	1

	<p><b>For switching 230 V~ consumers.</b>  <b>With two integrated switch actuators.</b>  <b>Switching function is available also without prior programming (pre-configured).</b>  <b>Only to be used in combination with ABB-free@home® 2/4-Fold sensor cover plate.</b>            44 mm. × 44 mm. × 45 mm.            Outputs: 2× normally open contact, potential free.            Suitable for: ohmic. Rated current: 10 A. Rated power: 2300 W.            Suitable for: capacitive. Rated current: 10 AX.            Protection class of device: IP 20.            Mounting depth: 32 mm.</p>		
	SSA-F-2.2.PB.1	2CKA006220A0234	1

## Millenium - Grid system for combination (AMD)


ABB free@home


Product	Article-No.	Order-No.	Pack/Qty
	<p><b>For dimming 230 V~ loads.</b>  <b>With integrated universal dimming actuator for controlling different lamps.</b>  <b>The dimming function is available also without prior programming (pre-configured).</b>  <b>Only to be used in combination with ABB-free@home® 2/4-Fold sensor cover plate.</b>            44 mm. × 44 mm. × 45 mm.            Outputs: 1× dimming channel.            Suitable for: 230 V incandescent lamps and low-voltage halogen lamps with conventional transformers or electronic transformers.            Rated power: 10 – 180 W / VA.            Suitable for: LEDi and energy-saving bulbs; typical.            Rated power: 2 – 80 W / VA            Protection class of device: IP 20.            Mounting depth: 32 mm.</p>	2CKA006220A0236	1
	<p><b>For controlling blind and awning motors.</b>  <b>With integrated blind actuator.</b>  <b>Blind function is available also without prior programming (pre-configured).</b>  <b>Only to be used in combination with ABB-free@home® 2/4-Fold sensor cover plate.</b>            44 mm. × 44 mm. × 45 mm.            Outputs: 1× Change-over contacts/ normally open contact, potentialbound. Rated power: 920 VA. Rated current: 4 A.            Suitable for: Operating mode blind.            Protection class of device: IP 20.            Mounting depth: 32 mm.</p>	2CKA006220A0238	1
	<p><b>For sending switching, dimming and blind commands to an ABB-free@ home® actuator.</b>  <b>Only to be used in combination with ABB-free@home® 2/4-Fold sensor cover plate.</b>            44 mm. × 44 mm. × 45 mm.            Control: Push buttons up/down.            LEDs: Used as orientation light or as switching status.            Protection class of device: IP 20.            Mounting depth: 9 mm.</p>	2CKA006220A0223	1
	<p><b>2/4-Fold sensor cover plate</b>            Cover plate ABB-free@ home® 2/4-Fold sensor for the SSA-F-2.1.PB.1, SSA-F-2.2.PB.1, SDA-F-2.1.PB.1, SBA-F-2.1PB.1 and SU-F-2.0.PB.1sensors.            Combination with frames AMD5144-XX &amp; AMD5244-XX</p>	2CLA622640N1801	5


Product	Article-No.	Order-No.	Pack/Qty
	<p><b>For controlling the room temperature with thermostat functions. Control of conventional actuators or analog actuator (constant regulation) with the HA-M-0.6.1 and HA-M-0.12.1 actuators.</b>  <b>With NOMINAL temperature indication. Only to be used in combination with ABB-free@home® room temperature controller cover plate.</b>            44 mm. × 44 mm. × 45 mm.            Visualization: LCD status mode indicator.            Protection class of device: IP 20.            Mounting depth: 14 mm.</p>	2CKA006220A0276	1
	<p><b>Room temperature controller cover plate.</b>            Cover plate ABB-free@ home® for RTC-F-1.PB</p>	2CLA624060N1801	5
	<p><b>Watchdog sensor 180° with lens for the detection of animals. For the automatic switching of the ABB free@home® actuators.</b>  <b>Only to be used in combination with ABBfree@home® Watchdog 180° flush mounted cover plate.</b>            44 mm. × 44 mm. × 45 mm.            Detection range: 6m front, 3m lateral.            Angle: 180°.            Brightness range: 1-500 Lux.            Protection class of device: IP 20.            Mounting depth: 9 mm.</p>	2CKA006220A0231	1
	<p><b>Watchdog sensor 180 cover plate.</b>            Cover plate ABBfree@home® for Watchdog sensor MSA-F-1.1.PB.1.            Combination with frames AMD5144-XX &amp; AMD5244-XX.</p>	2CLA624160N1801	5
	<p>Light symbol button ABBfree@home®            Blind symbol button ABBfree@home®            Scene symbol button ABBfree@home®            Dimmer symbol button ABBfree@home®</p>		
Light symbol F@H	SBL-AMAN	2CLA602610N1801	20
Blind symbol F@H	SBB-AMAN	2CLA602620N1801	20
Scene symbol F@H	SBS-AMAN	2CLA602630N1801	20
Dimmer symbol F@H	SBD-AMAN	2CLA602640N1801	20


## Millenium - Grid system for combination (AMD)

### Half/double rocker & other functions frames

Product	Article-No.	Order-No.	Pack/Qty
	<b>Half/double rocker &amp; other functions frame 1-gang</b> Includes metal mounting frame Dimensions 86 x 86 mm.		
	Stainless Steel	AMD5144-ST	2CLA627100N1101
	Silk Black	AMD5144-SB	2CLA627100N1501
	Antique Gold	AMD5144-AG	2CLA627100N1601
	Matt Gold	AMD5144-MG	2CLA627100N1701


	<b>Premium/half/double rocker switch frame 2-gang</b> Includes metal mounting frame Dimensions 86 x 147 mm.		
	Stainless Steel	AMD5244-ST	2CLA647200N1101
	Silk Black	AMD5244-SB	2CLA647200N1501
	Antique Gold	AMD5244-AG	2CLA647200N1601
	Matt Gold	AMD5244-MG	2CLA647200N1701


Product	Article-No.	Order-No.	Pack/Qty
	<b>Premium/half/double rocker switch frame 3-gang</b> Includes metal mounting frame Dimensions 86 x 228 mm.		
	Stainless Steel	AMD5344-ST	2CLA667310N1101
	Silk Black	AMD5344-SB	2CLA667310N1501
	Antique Gold	AMD5344-AG	2CLA667310N1601
	Matt Gold	AMD5344-MG	2CLA667310N1701

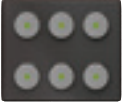
	<b>Premium/half/double rocker switch frame 4-gang</b> Includes metal mounting frame Dimensions 86 x 293 mm.		
	Stainless Steel	AMD5444-ST	2CLA687410N1101
	Silk Black	AMD5444-SB	2CLA687410N1501
	Antique Gold	AMD5444-AG	2CLA687410N1601
	Matt Gold	AMD5444-MG	2CLA687410N1701


## Millenium - Grid system for combination (AMD)


### KNX system


Product	Article-No.	Order-No.	Pack/Qty
 <b>2-Fold sensor</b> Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.). Control element: Switch contacts. Display elements: LED to indicate the function. Protection class (Device): IP 20. Temperature range (Device): -5 °C to 45 °C. Dimensions: (L x W x D): 53 mm. x 44 mm.			
AMD72053-AN (6125/20-981-500)	2CKA006115A0443		1







 <b>4-Fold sensor</b> Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.). Control element: Switch contacts. Display elements: LED to indicate the function. Protection class (Device): IP 20. Temperature range (Device): -5 °C to 45 °C. Dimensions: (L x W x D): 53 mm. x 44 mm.			
AMD74053-AN (6126/20-981-500)	2CKA006116A0218		1

 <b>6-Fold sensor</b> Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.). Control element: Switch contacts. Display elements: LED to indicate the function. Protection class (Device): IP 20. Temperature range (Device): -5 °C to 45 °C. Dimensions: (L x W x D): 53 mm. x 44 mm.			
AMD76053-AN (6129/20-981-500)	2CKA006118A0104		1

 <b>6-Fold sensor with IR</b> Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.). Control element: Switch contacts. Display elements: LED to indicate the function. Protection class (Device): IP 20. Temperature range (Device): -5 °C to 45 °C. Dimensions: (L x W x D): 53 mm. x 44 mm.			
AMD76153-AN (6129/21-981-500)	2CKA006118A0107		1

Product	Article-No.	Order-No.	Pack/Qty
 <b>Watchdog 180° flush mounted</b> Movement sensor with up to four channels. Detection range: frontal: 6 m., lateral: 6 m. Detection angle: 180 °. Brightness limit value: 5 Lux - 150 Lux. Mounting height: 1.1 m. Protection class (Device): IP 20. Temperature range (Device): -5 °C to 45 °C. Dimensions: (L x W x D): 53 mm x 44 mm Position for installation: vertical.			
AMD70153-AN (6122/20-981-500)	2CKA006132A0306		1


 <b>Room thermostat heating/cooling fan coil</b> Control element with room thermostat function for triggering the heating, ventilation and fan-coil actuators. The controller is a thermostat for fan coil units in 2 - and 4-pipe systems and conventional heating or cooling systems. The fan stage can be switched manually or in automatic mode. Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.). Switch contacts for operating mode selection and dial for setpoint or fan speed adjustment. Display elements: LCD showing operation modes. Protection class (Device): IP 20. Temperature range (Device): -5 °C to 45 °C. Dimensions: (L x W x D): 53 mm. x 44 mm.			
AMD70053-AN (6124/08-981-500)	2CKA006134A0309		1


 <b>Ceiling light symbol</b>  <b>Blind symbol</b>  <b>Scene symbol</b>  <b>Temperature symbol</b>  <b>Light symbol</b>  <b>Fan coil symbol</b> Labelling insert for Millenium control covers 1 / 2-gang, 2 / 4-gang, 3 / 6-gang and 3 / 6-gang with infrared			
AM50701-GR (6123/20-500)	2CKA006123A0001		10
AM50702-GR (6123/21-500)	2CKA006123A0002		10
AM50703-GR (6123/22-500)	2CKA006123A0003		10
AM50704-GR (6123/23-500)	2CKA006123A0004		10
AM50705-GR (6123/24-500)	2CKA006123A0005		10
AM50706-GR (6123/26-500)	2CKA006123A0006		10



## Millenium - Grid system for combination (AMD)

### Triple rocker & KNX sensor frames


Product	Article-No.	Order-No.	Pack/Qty	
	<b>Triple rocker switch/KNX sensors frame 1-gang</b> Includes metal mounting frame Dimensions 86 x 86 mm.			
	Stainless Steel	AMD5153-ST	2CLA637100N1101	10
	Silk Black	AMD5153-SB	2CLA637100N1501	10
	Antique Gold	AMD5153-AG	2CLA637100N1601	10
	Matt Gold	AMD5153-MG	2CLA637100N1701	10




**Triple rocker switch/KNX sensors frame 2-gang**  
 Includes metal mounting frame  
 Dimensions 86 x 147 mm.


Stainless Steel	AMD5253-ST	2CLA667200N1101	10
Silk Black	AMD5253-SB	2CLA667200N1501	10
Antique Gold	AMD5253-AG	2CLA667200N1601	10
Matt Gold	AMD5253-MG	2CLA667200N1701	10


### Special metal mounting plate for KNX sensors


Product	Article-No.	Order-No.	Pack/Qty
	<b>Special mounting plate KNX sensors 1G</b>		
	AMD5053	2CLA627190N1001	6

### Access control KNX

Product	Article-No.	Order-No.	Pack/Qty
	<b>Mifare transponder reader</b> 1) Access Control transponder reader able to be completely integrated into every KNX installation. 2) 1 binary input for connecting cardholder 3) 1 output 4A (24 V AC/DC) Required additional power supply (10...32 V DC/12...24 V AC) Combination with frames AMD5144-XX & AMD5244-XX		
	TR/U 1.1	2CSY235683R2001	1

	<b>Mifare transponder holder</b> Access Control transponder holder able to be completely integrated into every KNX installation. 1) 1 binary input (ON/OFF, dimmer, shutter) 2) 1 output 4A (24 V AC/DC) Required additional power supply (12...24 V AC/DC) Combination with frames AMD5144-XX & AMD5244-XX		
	TH/U 1.1	2CSY265232R2021	1

	<b>Set of 10 transponder cards</b> The transponder card uses passive transponder technology operating in radio frequency (MIFARE technology), without the need for contact between the reader and the card itself. The transponder card is read by swiping it in front of the reader at a maximum distance of 20 mm (can be reduced according to installation environment).		
	TS/T 1	2CSY259412R2041	1

	<b>Software MiniMAC 4.1</b> Configuration and supervision software for ABB Access Control system. Main functionalities are: management of keys, room state monitoring. Guest check in/check out, front desk room load monitoring, management of guest and employee databases, front desk management of room climate, ...		
	SW MiniMAC 4.1	2CSY258202R2051	1

## Millenium - Grid system for combination (AMD)

### Half/double rocker & other functions frames

Product	Article-No.	Order-No.	Pack/Qty
---------	-------------	-----------	----------



**Half/double rocker & other functions frame 1-gang**  
Includes metal mounting frame  
Dimensions 86x86 mm.

Stainless Steel	AMD5144-ST	2CLA627100N1101	10
Silk Black	AMD5144-SB	2CLA627100N1501	10
Antique Gold	AMD5144-AG	2CLA627100N1601	10
Matt Gold	AMD5144-MG	2CLA627100N1701	10



**Premium/half/double rocker switch frame 2-gang**  
Includes metal mounting frame  
Dimensions 86x147 mm.

Stainless Steel	AMD5244-ST	2CLA647200N1101	10
Silk Black	AMD5244-SB	2CLA647200N1501	10
Antique Gold	AMD5244-AG	2CLA647200N1601	10
Matt Gold	AMD5244-MG	2CLA647200N1701	10

Product	Article-No.	Order-No.	Pack/Qty
---------	-------------	-----------	----------



**Premium/half/double rocker switch frame 3-gang**  
Includes metal mounting frame  
Dimensions 86x228 mm.

Stainless Steel	AMD5344-ST	2CLA667310N1101	5
Silk Black	AMD5344-SB	2CLA667310N1501	5
Antique Gold	AMD5344-AG	2CLA667310N1601	5
Matt Gold	AMD5344-MG	2CLA667310N1701	5



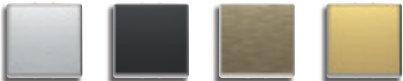

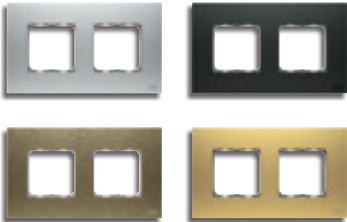


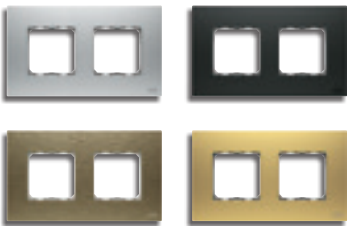


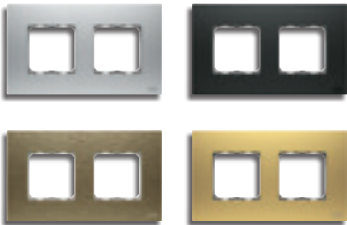
















**Premium/half/double rocker switch frame 4-gang**  
Includes metal mounting frame  
Dimensions 86x293 mm.

Stainless Steel	AMD5444-ST	2CLA687410N1101	5
Silk Black	AMD5444-SB	2CLA687410N1501	5
Antique Gold	AMD5444-AG	2CLA687410N1601	5
Matt Gold	AMD5444-MG	2CLA687410N1701	5

## Millenium

### Grid system frames selection table

	1 gang frame	2 gang frame
<b>Rocker switch</b>	AMD5120-ST, SB, AG, MG	
		
<b>Premium rocker switch</b>	AMD5044-ST, SB, AG, MG	AMD5244-ST, SB, AG, MG
		
<b>Half/Double rockers switch and other functions</b>	AMD5144-ST, SB, AG, MG	AMD5244-ST, SB, AG, MG
		
<b>Triple rocker switch &amp; KNX sensors</b>	AMD5153-ST, SB, AG, MG	AMD5253-ST, SB, AG, MG
		

3 gang frame	4 gang frame	Mounting plate
		Included
AMD5344-ST, SB, AG, MG	AMD5444-ST, SB, AG, MG	
   		Included
   		
AMD5344-ST, SB, AG, MG	AMD5444-ST, SB, AG, MG	
   		Included
   		
		AMD5053
		

## Millenium - Combination sets (AMD)

### International standard

Product description	Standard	Description
Switches	BS EN 60669-1 / IEC 60669-1 / SS 227 / MS IEC 60669-1	Switches for household and similar fixed electrical installation
Fan isolator 3 pole	IEC 60947-1 / IEC 60947-3 BS EN 60947-1 / BS EN 60647-3	Low-voltage switchgear and controlgear-Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units
Fused connection unit, cord outlet	BS 1363-4	Specification for 13A fused connection units switched and unswitched
32A / 45A double pole switches	IEC 60669-1	Switches for household and similar fixed electrical installation
45A Cooker control unit	BS 4177	Cooker control unit
13A socket outlets	BS 1363-2 / MS 589-2 / SS 145	13A switched and unswitched socket outlets
15A socket outlets	BS 546 / SS 472 / MS 1577	Two-pole and earthing-pin plugs, socket outlets and socket-outlet adaptors
5A socket outlets	BS 546	Two-pole and earthing-pin plugs, socket outlets and socket-outlet adaptors
20A Connection Units	BS 5733 / MS 1144	General requirements for electrical accessories
Universal socket outlets	BS 5733	General requirements for electrical accessories
Telephone outlet RJ11, 4-pole	TIA / EIA 568-A,568-B	Commercial building telecommunications cabling standard-Part2: Balanced twisted pair cabling components
BS Telephone outlet, 6-pole	BS 6312-2-1 / BS 6312-2-2.2	Connectors for analogue telecommunication interfaces
Computer outlet RJ45, 8-pole	TIA / EIA 568-A, 568-B	Commercial building telecommunications cabling standard-Part2: Balanced twisted pair cabling components
TV outlet	BS 3041-2 / IEC 60169-2	Radio-frequency connectors. Specification for coaxial unmatched connector
Shaver Unit	IEC 61558-1 / IEC61558-2-5	Safety of transformers, reactors, power supply units and combinations thereof - Part 2-5: Particular requirements and test for transformer
Electronic Switches	IEC 60669-2-1	Switches for household and similar fixed electrical installations-Part 2-1: Particular requirements-Electronics switches
Thermostat Controller	IEC 60730-1 / IEC60730-2-9	Automatic electrical controls for household and similar use-Part 2-9: Particular requirements for temperature sensing controls
Frames and plates	BS 5733 / MS 1144	Specification for general requirements for electrical accessories



## Diagrammes, technical data and measurements

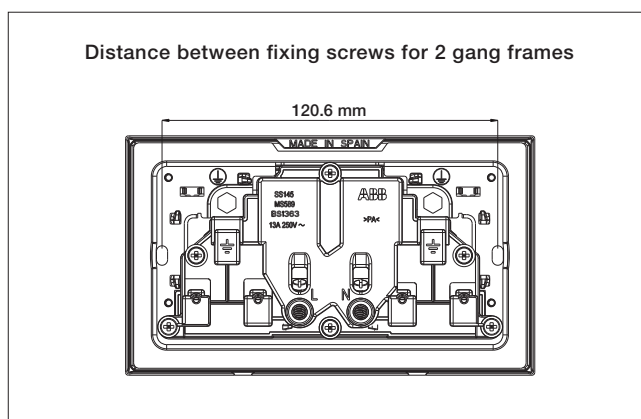
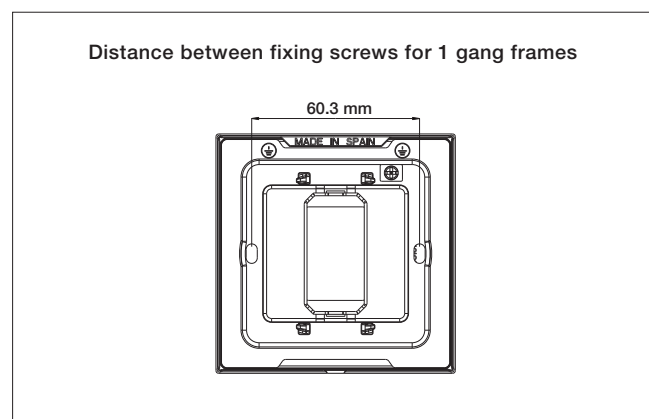
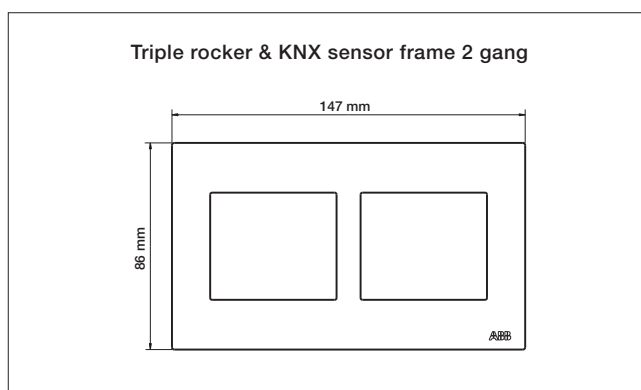
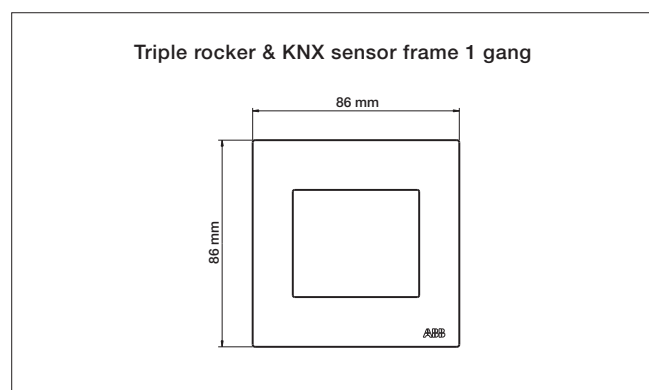
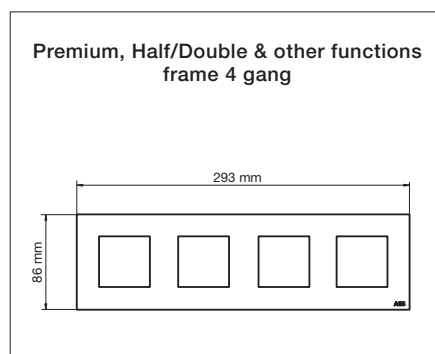
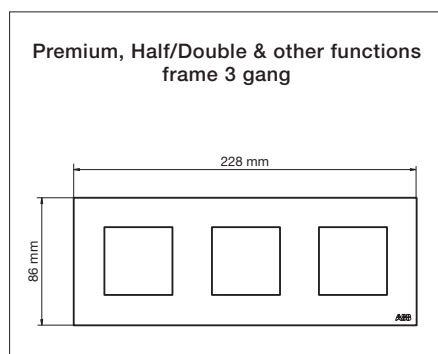
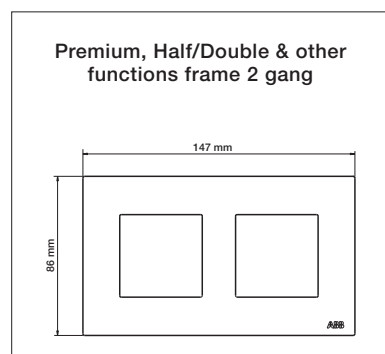
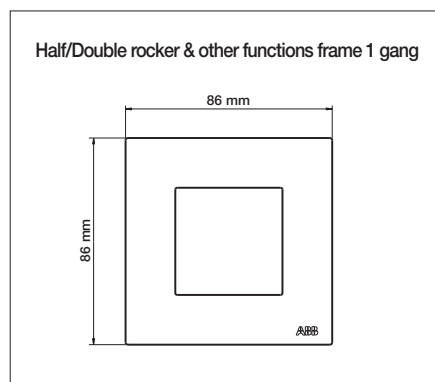
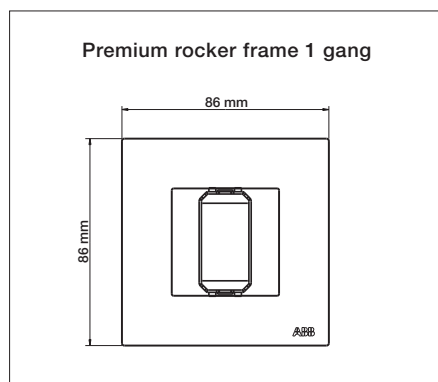
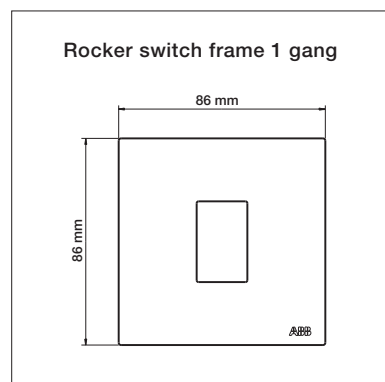
All of the information at your disposal



Thinking of making your job easier. We create these supports to optimize your time. We offer you all the technical information, diagrams and dimensions of each of our products in a clear and precise manner to facilitate understanding.

## Millenium

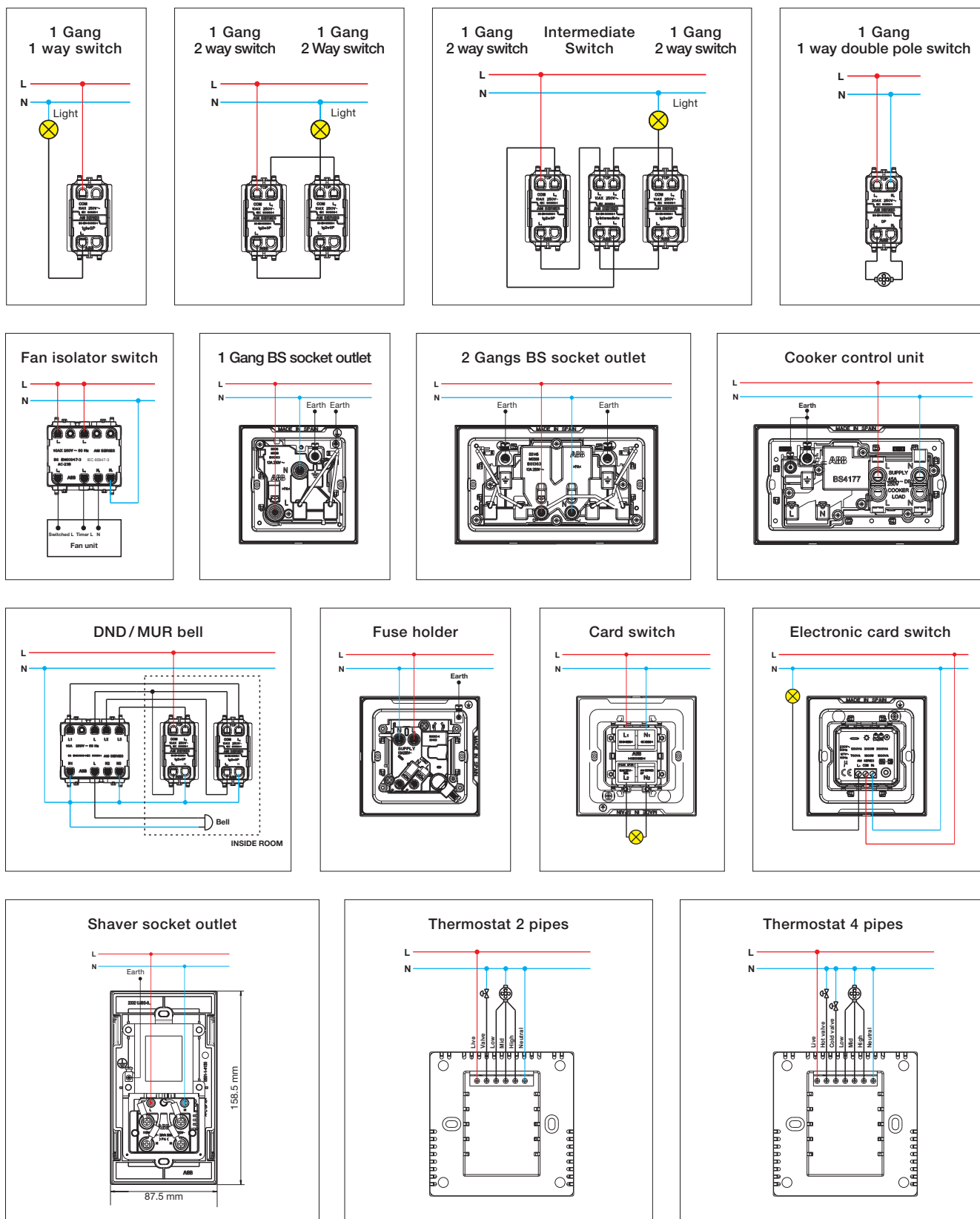
### Frame dimensions



Suitable for flush wall boxes of 35 mm minimum except shaver socket. Cooker unit and 45 DP switch.

## Millenium

### Circuit connection diagrams



## Millenium

### Circuit connection diagrams

**USB charger 2A, 1-gang – 1M AMD85222-AN**

**Note:**  
if you would like to install two N2185.2 chargers in the same frame, follow the mounting schematic in Fig.2 without changing the position of the mechanisms.

**USB charger 1.500mA, 2-gang – 2M AMD85144-AN**

**Telephone outlet - RJ11**

Pin Number	Base Colour	Indication
1	-	-
2	Black	Earth
3	Red	L2
4	Green	L1
5	Yellow	Spare
6	-	-

**Computer outlet - RJ45**

Pin Number	EIA-T568A Wire Colour	EIA-T568B Wire Colour
1	White / Green	White / Orange
2	Green	Orange
3	White / Orange	White / Green
4	Blue	Blue
5	White / Blue	White / Blue
6	Orange	Green
7	White / Brown	White / Brown
8	Brown	Brown

**Telephone outlet - BT R11/RJ12**

Pin Number	Base Colour / Stripe
1	Green / White
2	Blue / White
3	Orange / White
4	White / Orange
5	White / Blue
6	White / Green

### TV & SAT technical specifications

TV				SAT OUTLET			
Frequency (Mhz)	Insertion Loss (dB)	Output return loss (dB)	Voltage resistance	Frequency (Mhz)	Insertion Loss (dB)	Output return loss (dB)	Voltage resistance
5 ~ 550	< 2.5	> 16	2 KV	5 ~ 550	< 0.5	> 18	2 KV
550 ~ 750	< 2.5	> 14		550 ~ 750	< 0.8	> 18	
750 ~ 1000	< 2.5	> 14		750 ~ 1000	< 0.8	> 16	

**2RCA connection unit AMD55222-AN**

**3RCA connection unit AMD55322-AN**

**Mini-Jack connection unit AMD55422-AN**

**VGA connection unit AMD55522-AN**

**HDMI connection screwless AMD55122-AN**

**VGA connection unit AMD55522-AN**

## Millenium

### Rotary/push dimmer LED AMD60344-AN

#### 1.- Introduction

1. Product to be wired in accordance with wiring diagram.
2. Short circuit and overload will damage product.
3. In case of inductance load, take inductance power loss into account.
4. Please read the installation guide carefully before installation.
5. Electrical installation must be carried out by a qualified electrician in accordance with the accepted wiring practice and relevant regulations.

Disconnect the power during installation.

#### 2.- Technical Characteristics

250 V~ ;  $\pm 10\%$  ; 50 Hz

LEDj <sup>(2)</sup>

Min./max. Load (230 V~): **2 W / VA, 100 W / VA** <sup>(2)</sup>

Num: **10** <sup>(3)</sup>

230 V~ dimmable energy saving lamps <sup>(2)</sup>

Min./max. Load (230 V~): **2 W / VA, 100 W / VA** <sup>(2)</sup>

Num: **10** <sup>(3)</sup>

LV LEDi with transformer <sup>(1,2)</sup>

Min./max. Load (230 V~): **4 W / VA, 100 W / VA**

Num: **10** <sup>(3)</sup>

230 V~ incandescent lamps

Min./max. Load (230 V~): **10 W / VA, 250 W / VA**

230 V~ halogen lamps

Min./max. Load (230 V~): **10 W / VA, 250 W / VA**

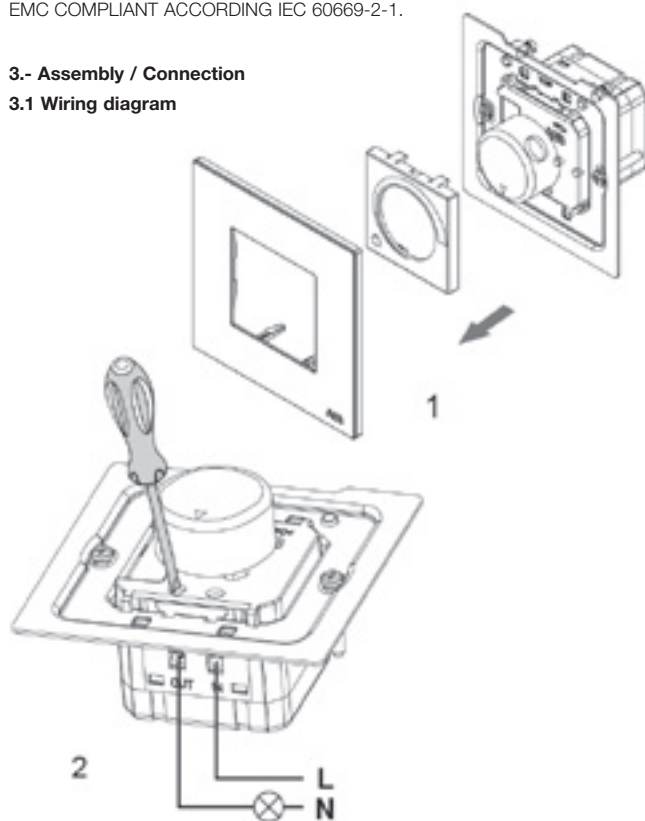
LV halogen lamps with transformer <sup>(1)</sup>

Min./max. Load (230 V~): **10 W / VA, 250 W / VA**

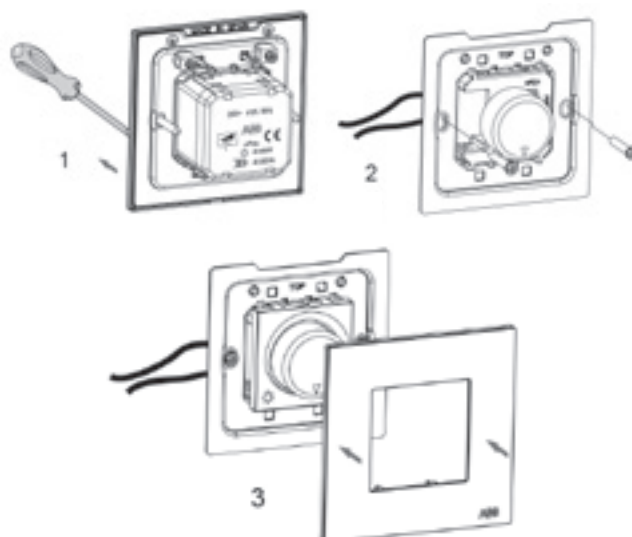
EMC COMPLIANT ACCORDING IEC 60669-2-1.

#### 3.- Assembly / Connection

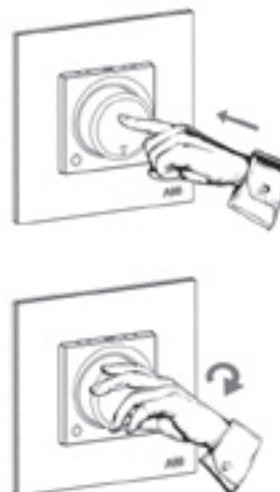
##### 3.1 Wiring diagram



#### 3.2 Installation



#### 4.- Operation





## Millenium

### Rotary/push dimmer AMD60244-AN

#### 1.- Technical Data

**Electrical Characteristics - Power Supply:** 230 V~ ; 50 Hz

- **Minimum Power:** 60 W / VA
- **Maximum Power:** 500 W incandescent lamps  
500 VA halogen lamps with electronic transformer.  
400 VA halogen lamps with ferromagnetic transformer.
- Room temperature for operation: 0 to 30 °C.

#### Operating Characteristics

- LED indicator pilot **Detecting the Type of Load**
- After wiring the device to the mains voltage, the regulator assesses the characteristics of the load connected.

#### Overload

- If the device overloads above the maximum permitted nominal power, or if the operating temperature exceeds the maximum, the regulator will automatically stop working as a safety measure.

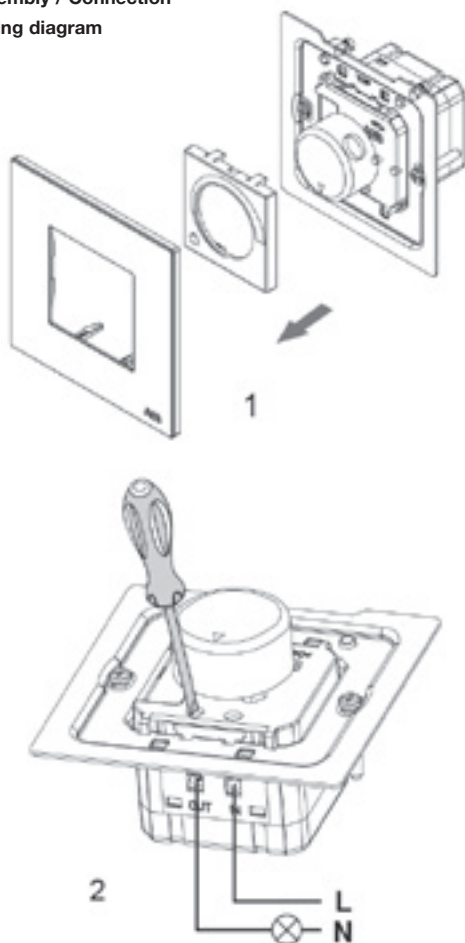
#### Short Circuit

In case of short circuit, the device will stop working as a safety measure.

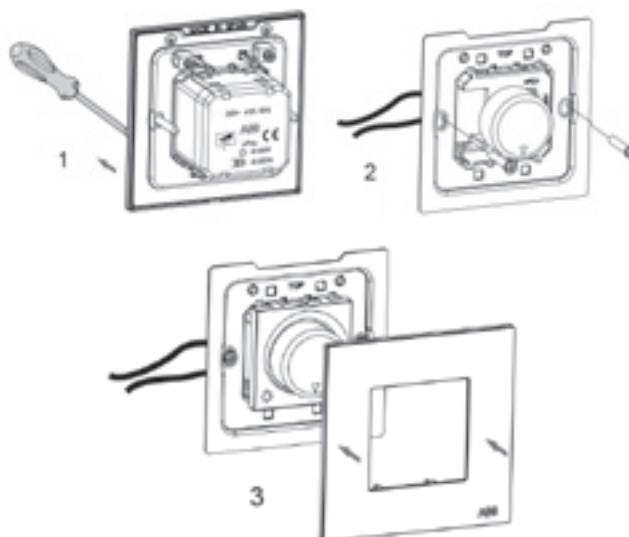
**Note:** Disconnect the device from the power supply if you are making changes to the load.

#### 2.- Assembly / Connection

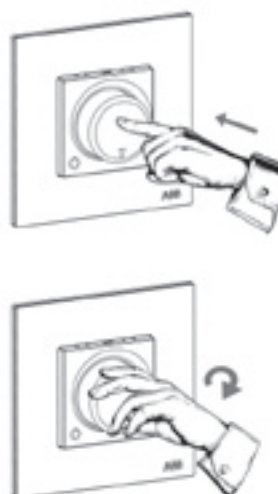
##### 2.1 Wiring diagram



##### 2.2 Installation



##### 3.- Operation



## Millenium

### Rotary dimmer for fluorescent AMD60944-AN

#### 1.- Technical Data

**Power Supply:** 230 V~ ; 50 Hz

- **Nominal power:** 700 VA

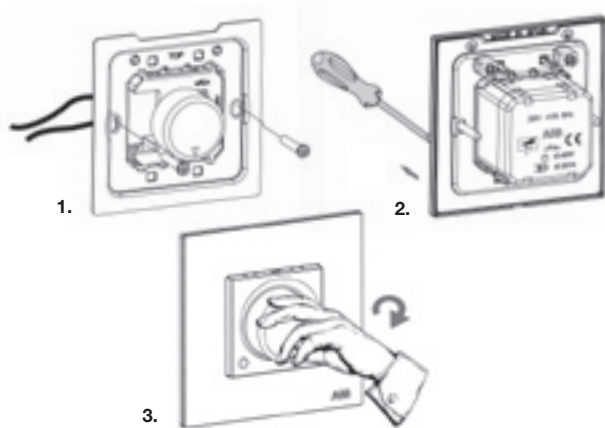
- **Load type:** Dimmable electronic ballast with 1-10V control input.

#### 2.- Assembly/Connection

##### 2.1.- Connection

Follow the steps below to install the mechanism:

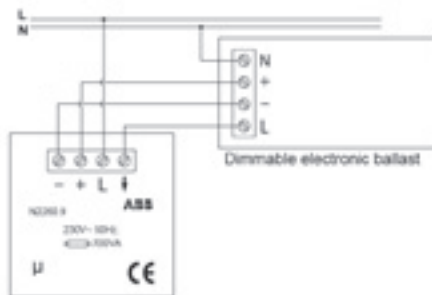
1. Connect the device according to the connection schemes. Figure 2 and Figure 3.
2. Assemble the device on the flush mounting box.
3. Then, place the plate.



**Important:** Disconnect the power supply when installing.

##### 2.2.- Connection

The fluorescent lighting dimmer AMD60944-AN may be connected to dimmable electronic ballasts with a control input of 1-10 V as shown in Figure 2:



The maximum charge to be connected to the control terminals +/- should not exceed 50 mA.

See technical specifications of the dimmable electronic ballast to be installed.

Electronic ballasts generate a very high instantaneous peak current at connection, therefore it is recommended not to connect more than 6 ballasts to the AMD60944-AN fluorescence regulator.

In installations where it is required to connect more than 6 electronic ballasts to the same regulator mechanism, it is recommended to use a contactor to protect the mechanism contacts. See Figure 3.

#### 3.- Operation button turns in the clockwise direction

If the charge is disconnected, i.e. the rotatory button is completely turned counter-clockwise, when turning right the charge will turn on (a "click" will be heard) and the intensity level will increase as we turn the button in the clockwise direction.

If the charge is at a given point of regulation, the charge intensity will increase as we turn the button in that direction.

If we turn the button completely in the clockwise direction, this will stop in a limit, which will coincide with the maximum regulation intensity level.

#### Operation button turns in the counter-clockwise direction

Intensity level will reduce as we turn the button in the counter-clockwise direction.

If we turn the button completely in the counter-clockwise direction, a "click" will be heard and the button will stop in a limit, the charge will be disconnected.

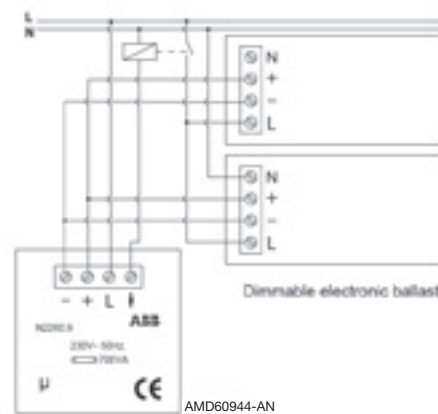


Figure 3: Connection using a contactor

## Millenium

### Movement detector AMD41144-AN

#### 1.- Introduction

This motion detector device senses the movement of people in an area of 5m (maximum) and in a 110° angle.

Depending on the level of light detected by the light sensor and the motion detected in the covered area, the device determines if the load connected to it should be activated or not, thus lighting the area in which it is connected whenever someone passes.

While it is detecting movement, the device maintains the load activated. When it stops detecting motion it disconnects the loads in the preset time.

The device enables remote control through conventional push buttons with the use of only one conductor and thus simplifying electrical installations with the possibility to substitute the traditional switched installations.

#### 2.- Technical Characteristics:

**Power supply:** 230 V~ ; 50 Hz  
127 V~ ; 60 Hz

##### Maximum power:

Incandescent lamps: 1,800 W (230 V~ 50 Hz)  
1,000 W (127 V~ 60 Hz)

Halogen lamps with electronic transformer, or halogen lamps with ferromagnetic transformer:  
750 VA (230 V~ ; 50 Hz)  
400 VA (127 V~ ; 60 Hz)

Fluorescent lamps or motors: 400 VA (230 V~ ; 50 Hz)  
200 VA (127 V~ ; 60 Hz)

##### Voltage free relay output: 2 terminals:

- Timer adjustment: Between 10 sec. and 10 minutes.
- Adjustment of light set point level for detection.
- Room temperature for operation: -10° C to 40° C.
- Detection range of the IR motion sensor: Max. 5 metres in a 110° angle.

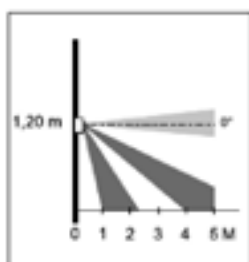


Figure 1: Cross section diagram showing the detection area

Figure 1: Sensor detection diagram

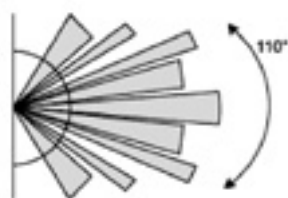


Figure 1: Horizontal view diagram showing the detection area

#### Front Device Description

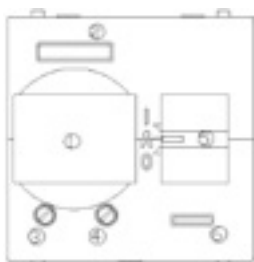


Fig 2.- Front view of the device

- 1.- Detection lens
- 2.- Light sensor
- 3.- Light set point selector
- 4.- Timer selector
- 5.- Operating mode selector (3 positions):  
I – Always on  
A – Automatic (central position)  
O – Always off
- 6.- Red LED, indicator of automatic operating mode. It does not light when operating in modes I and O.

#### 3.- Wiring

##### Pre-installation Recommendations

Install the device away from heat sources or draughts.

The sensitivity of this detection device depends on several factors such as temperature, ambient humidity, as well as speed and direction of people's movement.

Before installing the device, it is important to determine where to install it so that it adequately converts the desired detection area.

##### Basic Wiring

The electrical wiring of these devices is performed according to the wiring diagram shown in Figure 3.

The terminal marked "L" shows the phase wire of the installation. The terminal marked "N" shows the neutral wire of the installation.

The terminals marked "Aux" represent the two terminals of the relay output (voltage free).

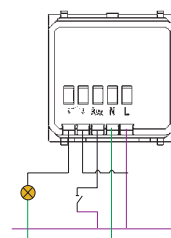
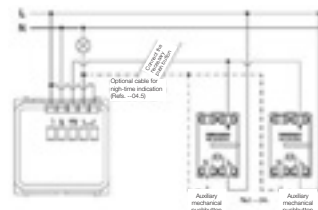


Figure 3: Basic wiring diagram

The terminal marked "aux" (control terminal) is used in case it is desired to control the device (optional) from different points through conventional push buttons (auxiliary push buttons).



##### Wiring of Several Devices in Parallel

The detection area in a zone can be increased by installing more than one motion detector device.

To ensure that the detection of movement by any of the devices installed activates the load controlled by all of them, their outputs should be wired in parallel to the load. See wiring diagram in Figure 5.

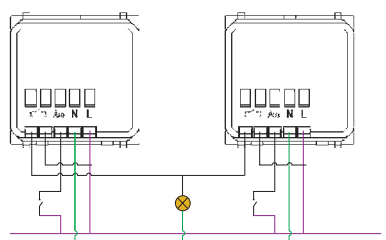


Figure 5: Parallel wiring diagram

## Millenium

### FM stereo receiver with RDS AMD68044-AN

#### 1.- Technical Data

##### Voltage, ref. AMD68044-AN:

230 V~;  $\pm 15\%$ ; 50 - 60 Hz

**Max. consumption:** 100 mA

##### Stand-by consumption

ref. AMD68044-AN: 0.2 W

**Stand-by consumption ref. AMD68044-AN**

**+ AMD68344-AN (\*)**: 0.6 W

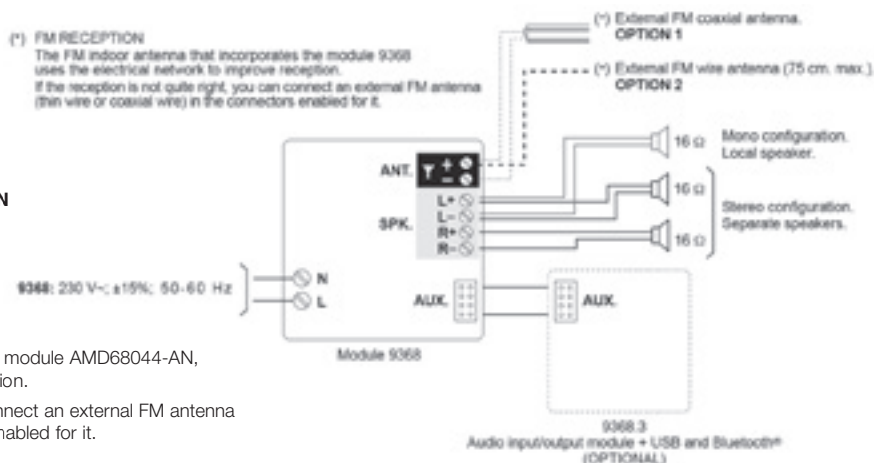
(\*) With the display illumination at minimum.

#### 2.- Wiring connection

##### (\*) FM RECEPTION

The FM indoor antenna that incorporates the module AMD68044-AN, uses the electrical network to improve reception.

If the reception is not quite right, you can connect an external FM antenna (thin wire or coaxial wire) in the connectors enabled for it.



### Input/output USB & Bluetooth® module AMD68344-AN

#### 1.- Technical Data

**Power supply through AUX.:** 9 V=

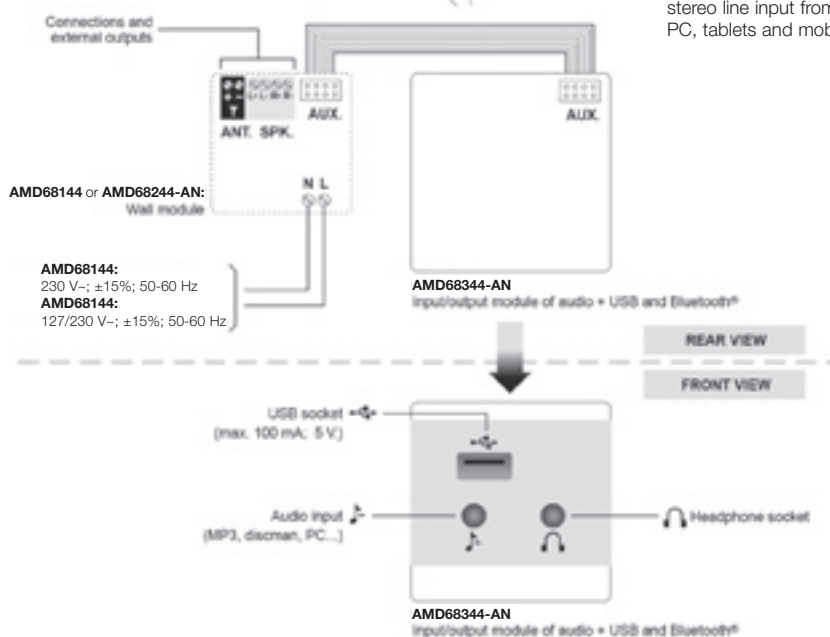
**Max. consumption:** 175 ~ 200 mA

**Consumption stand-by:** 0.4 W

**Headphones impedance:** 16 ~ 600 Ω  
(25 + 25 mW audio phones)

#### 2.- Connection

(through modules AMD68144 and AMD68244-AN)



#### 3.- Functioning

##### ACTIVATION

When you connect the module 9368.3 through the modules 9368, 9368.7 y 9368.2, you may enter in the MENUS pressing the keys **⏏** and select the options USB, INPUT o BLUETOOTH to listen to their music.

##### - USB

The USB socket is designed for connecting the memory devices that do not consume more than mA a 5 V=. This way, all the MP3 and WAV files that you will encounter in the menu will be reproduced. You may activate it by entering MENU **⏏** and pressing the option USB.

##### - INPUT

The INPUT socket is activated when you enter the MENU **⏏** and selecting the option INPUT. This socket enables the connection of any stereo line input from reproducers such as MP3, walkman®, discman, PC, tablets and mobile phones.

##### - BLUETOOTH

The bluetooth® signal is activated entering in MENU **⏏** and selecting the option BLUETOOTH.

##### - HEADSET(PHONES)

The headphone socket is activated automatically by being connected to the PHONES socket. When it is connected, the speakers signal switches off and the last volume position of the headphones appears. For listening through the speakers again, disconnect the headphones socket.

\* For more information on the functioning, please read the section **Connection to the module AMD68344-AN of auxiliary input USB and line + output of headphones** in the instructions of use of the modules AMD68144 and AMD68244-AN.

## Millenium

### Flush-mounted remote control AMD68244-AN

#### 1.- Technical Data

##### Power supply ref. AMD68144:

230 V~ / 127 V~ ;  $\pm 15\%$  ; 50 - 60 Hz

##### Power supply ref. AMD68244-AN:

230 V~ / 127 V~ ;  $\pm 15\%$  ; 50 - 60 Hz

##### Bluetooth®:

Maximum reach from the ceiling module  
AMD68144 to user's Bluetooth® device: 10 m.

##### Maximum power consumption ref.

AMD68144: 200 mA

##### Maximum power consumption ref. AMD68244-AN:

15 mA

##### Stand-by consumption ref. AMD68144:

0.3 W

##### Stand-by consumption ref. AMD68244-AN

(\*): 0.5 W

##### Stand-by consumption

ref. AMD68244-AN + AMD68344-AN (\*):  
0.9 W

(\*) With the display illumination at minimum.

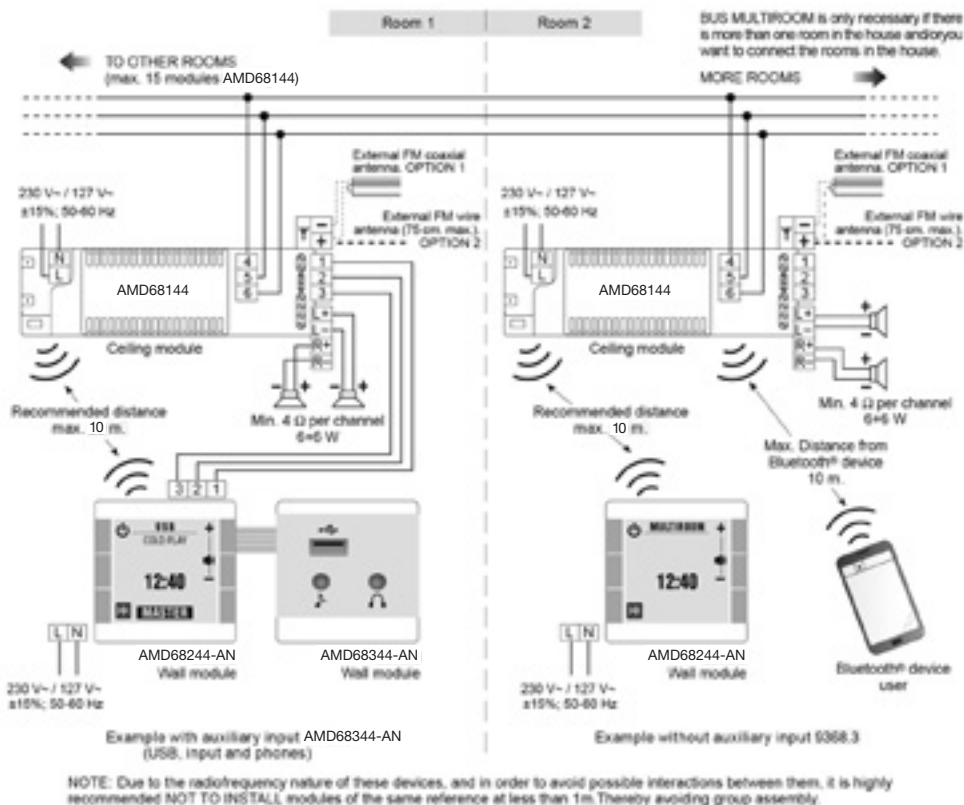
##### Maximum power ref. AMD68144:

6+6 W; <1% distortion (4 W)

##### Speaker impedance ref. AMD68144:

4 W (6+6 W audio)

#### 2.- Connection



#### 3.- Linking modules AMD68144 and AMD68244-AN

##### IMPORTANT:

Modules AMD68144 and AMD68244-AN only work if both are interlinked by radio.

Module AMD68244-AN has to be connected by radio with ceiling module AMD68144, and only when this bond is created, can the system work efficiently.

##### LINKING

In order to connect two modules, make sure the connection diagram is similar to the one shown above, and that both modules are linked to the electricity network.

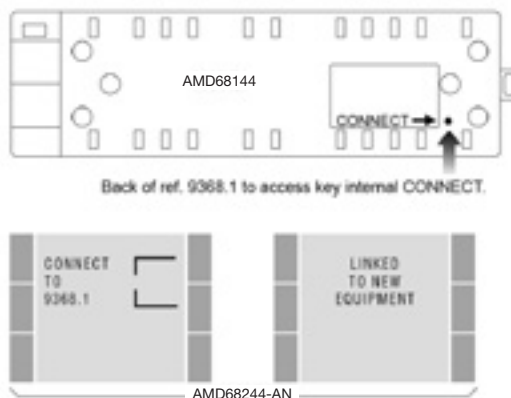
Then, access the rear of the ceiling module AMD68144 and press the internal key CONNECT with a clip or micro-screwdriver.

Once you have pressed the button you have got two minutes to go to the second module AMD68244-AN (the one you want to link with) and press simultaneously the keys **1** and **2** during two seconds.

When the two modules are associated, the screen should read "LINKED TO NEW EQUIPMENT".

##### NOTE:

It is important that the process of connection between various equipments is done step-by-step, by matching each module AMD68144 to each AMD68244-AN selected. If not, a faulty connection may occur.





## Millenium

### Radio/amplifier module for ceiling with Bluetooth® AMD68144-AN

#### 1.- Technical Data

##### Power supply:

230 V~ / 127 V~ ;  $\pm 15\%$  ; 50 - 60 Hz

##### Bluetooth®:

Maximum reach from the ceiling module AMD68144 to user's Bluetooth® device: 10 m.

##### Maximum power consumption:

200 mA

##### Consumption stand-by:

0.3 W

##### Antenna impedance:

75  $\Omega$

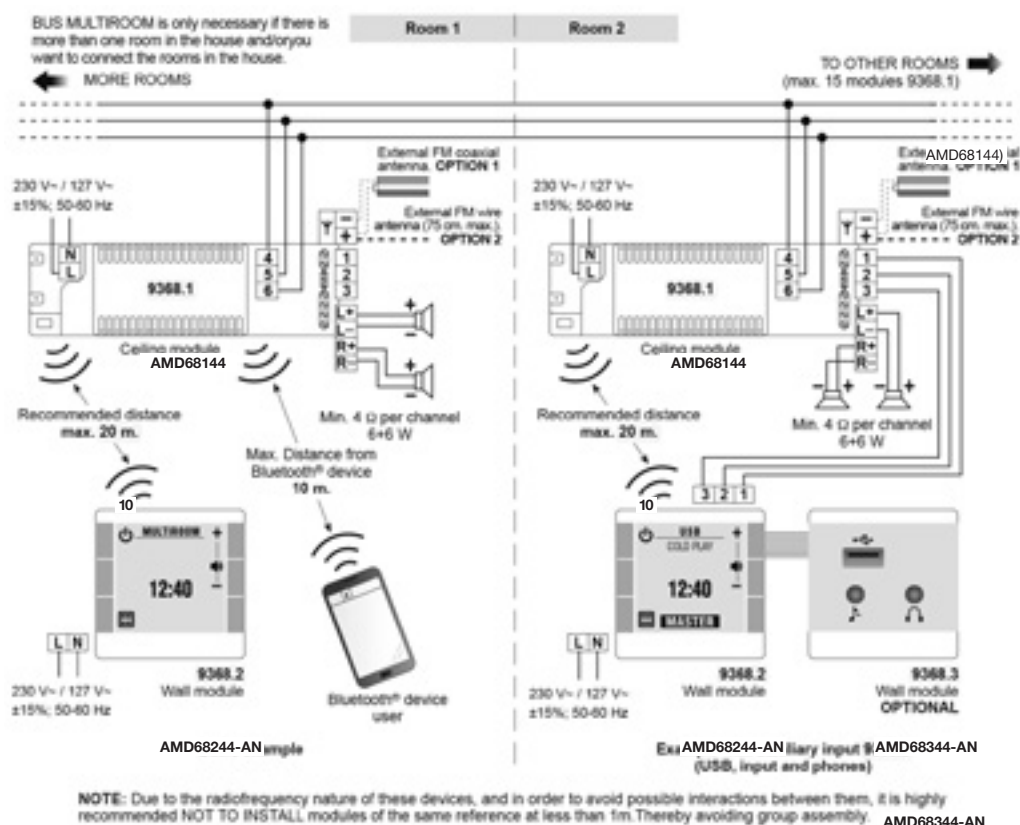
##### Maximum power headphone output:

6 + 6 W ;  $< 1\%$  distortion (4  $\Omega$ )

##### Minimum impedance of headphones:

4  $\Omega$  (6+6 W audio)

#### 2.- Connection



#### 3.- Linking modules AMD68144 and AMD68244-AN

##### IMPORTANT:

Modules AMD68144 and AMD68244-AN only work if both are interlinked by radio.

Module AMD68244-AN has to be connected by radio with ceiling module AMD68144, and only when this bond is created, can the system work efficiently.

##### LINKING

In order to connect two modules, make sure the connection diagram is similar to the one shown above, and that both modules are linked to the electricity network. Then, access the rear of the ceiling module AMD68144 and press the internal key CONNECT with a clip or micro-screwdriver.

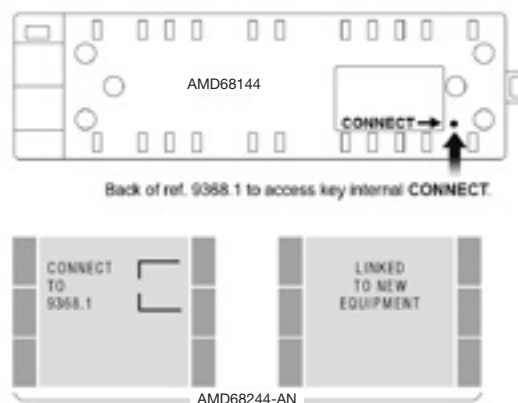
Once you have pressed the button you have got two minutes to go to the second module AMD68244-AN (the one you want to link with) and press simultaneously the keys **↵** during two seconds.

When the two modules are associated, the screen should read "LINKED TO NEW EQUIPMENT".

##### NOTE:

It is important that the process of connection between various equipments is done step-by-step, by matching each module AMD68144 to each AMD68244-AN selected.

If not, a faulty connection may occur.



\* For more information on the functioning of the system, please read the instructions for use of the module

Millenium

List of products

Code	Finished	Pack. (unit)	Page
9329.1		1	33
9368.1		1	33
9399		12	33
9399.1		12	33
9399.2	BA, NG	12	33
AM10120	ST	1	15
AM10144	ST	1	16
AM10244	ST	1	17
AM10520	ST	1	15
AM10544	ST	1	16
AM10644	ST	1	17
AM10753	ST	1	17
AM10920	ST	1	15
AM11020	ST	1	15
AM11044	ST	1	16
AM11120	ST	1	15
AM11444	ST	1	17
AM11520	ST	1	15
AM11544	ST	1	16
AM11644	ST	1	17
AM118147	ST, SB, MG, AG	1	19
AM11844	ST	1	22
AM11920	ST	1	15
AM11944	ST	1	16
AM12153	ST	1	17
AM13444	ST	1	16
AM17744	ST, SB, MG, AG	1	16
AM18120	ST	1	15
AM18144	ST	1	16
AM19188	ST	1	17
AM19588	ST	1	17
AM20986	ST, SB, MG, AG	1	18
AM22186	ST, SB, MG, AG	1	18
AM23186	ST, SB, MG, AG	1	19
AM23386	ST, SB, MG, AG	1	18
AM23486	ST, SB, MG, AG	1	18
AM23786	ST, SB, MG, AG	1	18
AM23886	ST, SB, MG, AG	1	18
AM239147	ST, SB, MG, AG	1	18
AM240147	ST, SB, MG, AG	1	18
AM29486	ST, SB, MG, AG	1	19
AM30144	ST, SB, MG, AG	1	20
AM30344	ST, SB, MG, AG	1	21
AM30544	ST, SB, MG, AG	1	19
AM30644	ST, SB, MG, AG	1	19
AM31344	ST, SB, MG, AG	1	21
AM32144	ST, SB, MG, AG	1	19

Code	Finished	Pack. (unit)	Page
AM32344	ST, SB, MG, AG	1	21
AM32944	ST, SB, MG, AG	1	20
AM33144	ST, SB, MG, AG	1	19
AM33244	ST, SB, MG, AG	1	20
AM33344	ST, SB, MG, AG	1	20
AM33444	ST, SB, MG, AG	1	20
AM33544	ST, SB, MG, AG	1	20
AM33644	ST, SB, MG, AG	1	20
AM33744	ST, SB, MG, AG	1	20
AM34144	ST, SB, MG, AG	1	21
AM40188	ST, SB, MG, AG	1	22
AM40244	ST, SB, MG, AG	1	22
AM40344	ST	1	22
AM40444	ST	1	22
AM40544	ST, SB, MG, AG	1	22
AM41244	ST, SB, MG, AG	1	21
AM41344	ST, SB, MG, AG	1	21
AM41786	ST, SB, MG, AG	1	22
AM42086	ST, SB, MG, AG	1	22
AM42920	ST	1	15
AM42944	ST	1	16
AM43020	ST	1	15
AM43044	ST	1	16
AM43053	ST	1	17
AM50093	BL	1	22
AM50100	CH	10	23
AM50200	CH	10	23
AM50300	CH	10	23
AM50400	CH	10	23
AM50444	ST, SB, MG, AG	1	23
AM50500	CH	1	23
AM50600	CH	1	23
AM50653	ST, SB, MG, AG	1	23
AM50701	GR	1	37
AM50702	GR	1	37
AM50703	GR	1	37
AM50704	GR	1	37
AM50705	GR	1	37
AM50706	GR	1	37
AM50753	ST, SB, MG, AG	1	23
AM50853	ST, SB, MG, AG	1	23
AM55044	ST, SB, MG, AG	1	21
AMD10120	ST, SB, MG, AG	10	24
AMD10144	ST, SB, MG, AG	10	26
AMD10222	ST, SB, MG, AG	10	27
AMD10520	ST, SB, MG, AG	10	25
AMD10544	ST, SB, MG, AG	10	26

Code	Finished	Pack. (unit)	Page
AMD10622	ST, SB, MG, AG	10	27
AMD10753	ST, SB, MG, AG	10	29
AMD10920	ST, SB, MG, AG	10	24
AMD11020	ST, SB, MG, AG	10	24
AMD11044	ST, SB, MG, AG	10	26
AMD11120	ST, SB, MG, AG	10	24
AMD11422	ST, SB, MG, AG	10	28
AMD11520	ST, SB, MG, AG	10	25
AMD11544	ST, SB, MG, AG	10	26
AMD11622	ST, SB, MG, AG	10	28
AMD11844	ST, SB, MG, AG	10	28
AMD11920	ST, SB, MG, AG	10	25
AMD11944	ST, SB, MG, AG	10	26
AMD12153	ST, SB, MG, AG	10	29
AMD12922	ST, SB, MG, AG	10	27
AMD13444	ST, SB, MG, AG	10	28
AMD18120	ST, SB, MG, AG	10	25
AMD18144	ST, SB, MG, AG	10	26
AMD19144	AN	5	32
AMD24144	AN	5	32
AMD30122	AN	10	31
AMD30322	AN	10	31
AMD30344	AN	5	31
AMD33322	AN	10	31
AMD33422	AN	10	31
AMD39144	AN	1	30
AMD40344	ST, SB, MG, AG	5	28
AMD40444	ST, SB, MG, AG	5	28
AMD41144	AN	1	32
AMD42920	ST, SB, MG, AG	10	25
AMD42944	ST, SB, MG, AG	10	26
AMD43020	ST, SB, MG, AG	10	25
AMD43044	ST, SB, MG, AG	10	26
AMD43053	ST, SB, MG, AG	10	29
AMD43222	ST, SB, MG, AG	10	27
AMD5053		6	38
AMD50422	AN	10	32
AMD5044	ST, SB, MG, AG	10	27
AMD5244	ST, SB, MG, AG	10	27
AMD5120	ST, SB, MG, AG	10	25
AMD5144	ST, SB, MG, AG	10	29
AMD5153	ST, SB, MG, AG	10	30
AMD5253	ST, SB, MG, AG	10	30
AMD5344	ST, SB, MG, AG	5	27
AMD5444	ST, SB, MG, AG	5	27
AMD55122	AN	1	31
AMD55222	AN	1	31

## Millenium

### List of products

Code	Finished	Pack. (unit)	Page
AMD55322	AN	1	31
AMD55422	AN	1	31
AMD55522	AN	1	31
AMD55722	AN	1	31
AMD55822	AN	1	31
AMD55922	AN	1	31
AMD60244	AN	1	32
AMD60344	AN	1	32
AMD60944	AN	1	32
AMD68044	AN	1	33
AMD68244	AN	1	33
AMD68344	AN	1	33
AMD70053	AN	1	37
AMD70153	AN	1	37
AMD72053	AN	1	37

Code	Finished	Pack. (unit)	Page
AMD74053	AN	1	37
AMD76053	AN	1	37
AMD76153	AN	1	37
AMD85144	AN	1	30
AMD85222	AN	1	30
CP-MD-AMAN		5	35
CP-RTC-AMAN		5	35
MSA-F-1.1.PB.1		1	35
RTC-F-1.PB		1	35
SBA-F-1.1.PB.1		1	34
SBA-F-2.1.PB.1		1	35
SBB-AMAN		20	35
SBD-AMAN		20	35
SBS-AMAN		20	35
SBL-AMAN		20	35

Code	Finished	Pack. (unit)	Page
SDA-F-1.1.PB.1		1	34
SDA-F-2.1.PB.1		1	35
SR-2-AMAN		5	34
SR-4-AMAN		5	35
SSA-F-1.1.PB.1		1	34
SSA-F-2.1.PB.1		1	34
SSA-F-2.2.PB.1		1	34
SU-F-1.0.PB.1		1	34
SU-F-2.0.PB.1		1	35
SW MiniMAC 4.1		1	38
TH/U 1.1		1	38
TR/U 1.1		1	38
TS/T 1		1	38

---

**Asea Brown Boveri, S.A.**  
**Low Voltage Products - Niessen**

Pol. Ind. de Aranguren, 6  
20180 OIARTZUN  
Spain  
Tel.: +34 943 260 101  
Fax: +34 943 260 240  
[www.abb.es/niessen](http://www.abb.es/niessen)

