



Functionality is more than switching on or off The new Millenium series

Lim Chee Seng

Fengsheng Electric Co. Pte. Ltd
257, Kaki Bukit Ave 1, Shun Li Industrial Park, Singapore 416063
Tel : (65) 6 8443322
Fax: (65) 6 8443326
HP: (65) 8218 6621
Website : www.fengshengelectric.com.sg
Email : sales@fengshengelectric.com.sg

Power and productivity
for a better world™

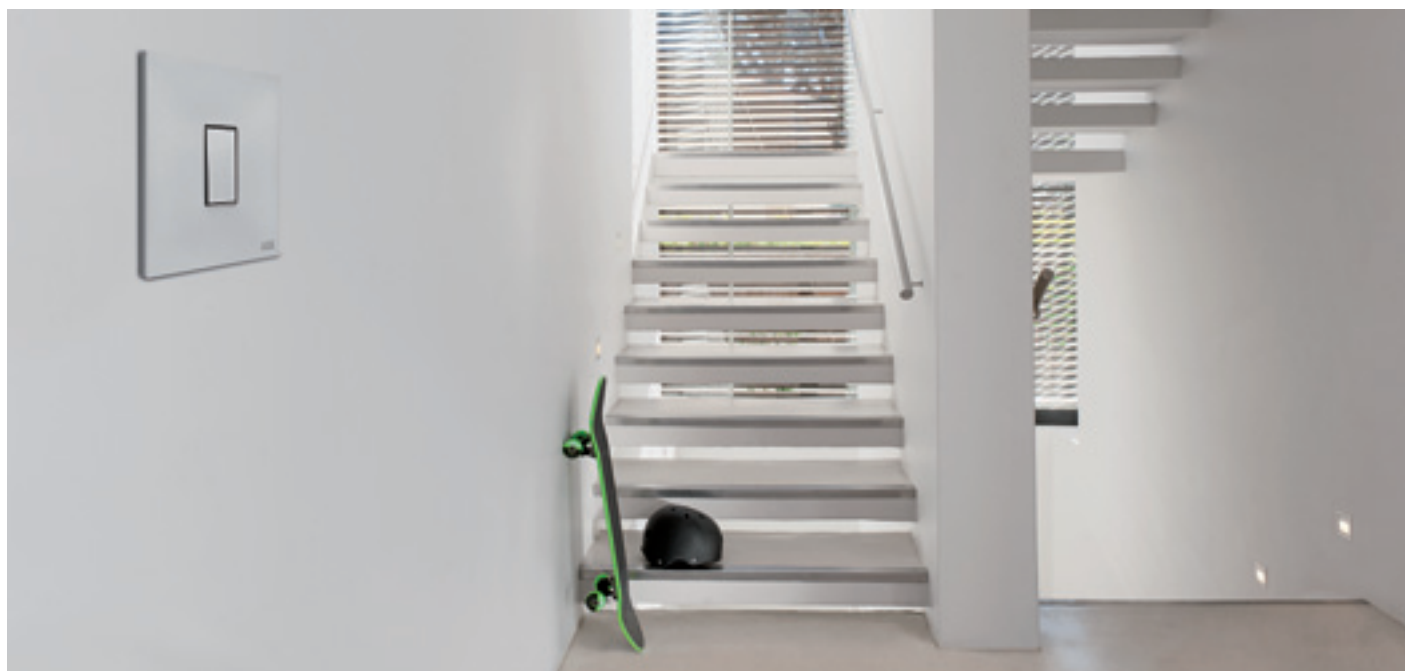




Find exactly what you are looking for.
The Millenium series offers control,
functionality and convenience that will
always fit the desired look and feel
of the building.



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



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 savings.

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



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 25%, 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 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

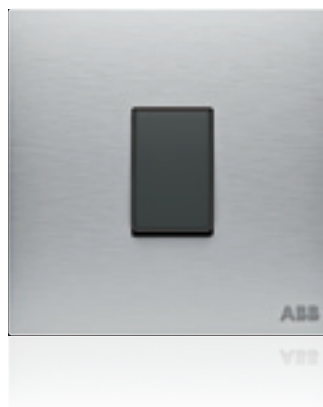
Innovation, design and technology

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.



New LED signaling reducing energy consumption and longer lasting.
Easy pictogram customization.

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 KNX sensors.



Features and benefits

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



The Fan coil thermostat with display is a room thermostat for ventilator convectors or conventional systems for heating and/or cooling. Fan speed can be as well controlled and all this functionality in the aesthetics of Millenium in different metal finishes. The temperature can be adjusted to the individual's personal feeling of well being.



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.

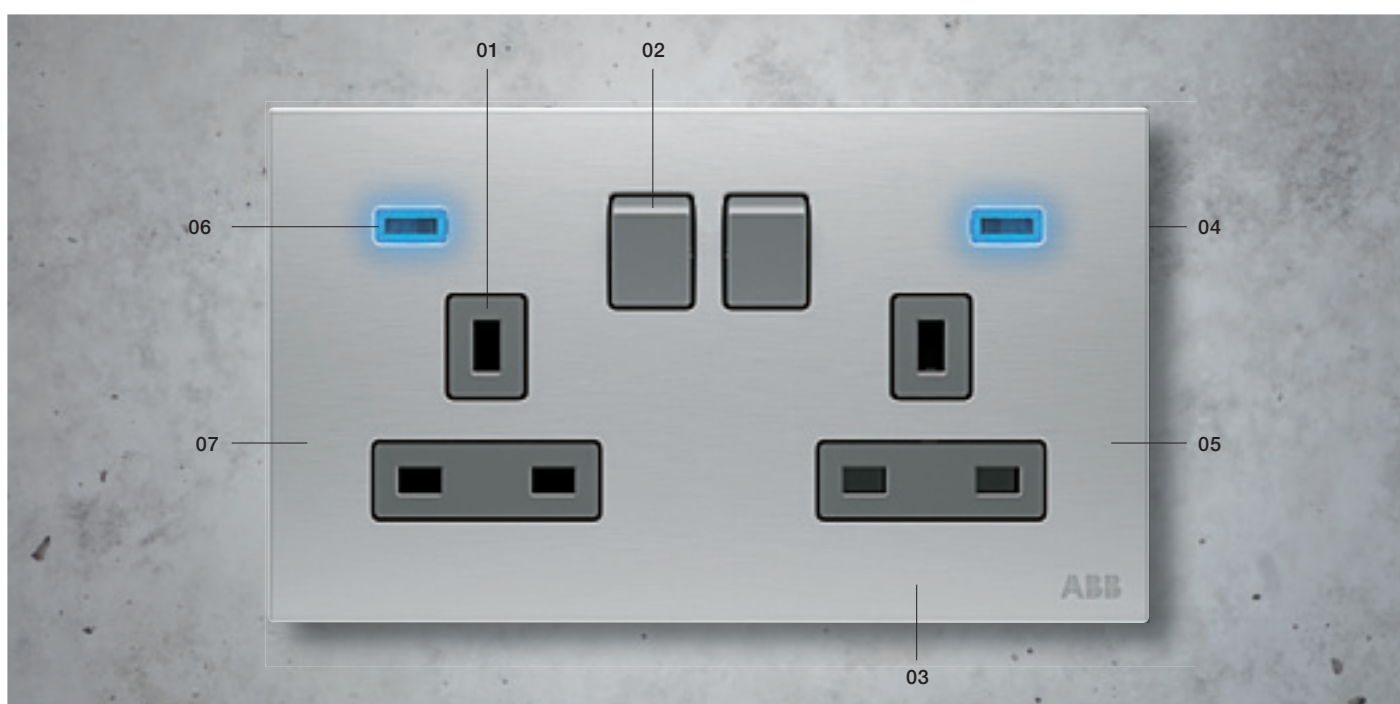
04 Styling slim-line design
frontplate profile only 4mm.

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 installation system

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 sensors 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

Frames for rocker switch

Rocker switch

+

Frames for premium rocker switches

Premium rocker switch

+

Frames for Half/Double rocker switches

Half/Double rockers switches

+

Frames for Half/Double rocker switches

Premium rocker switch

+

Half/Double rockers switches

Frames for Triple rocker switches

Triple rocker switches

+

KNX sensors

Mounting plate for KNX sensors

Millenium Complete sets



ST



SB

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.



MG



AG

ST Stainless Steel

SB Silk Black

MG Matt Gold

AG Antique Gold

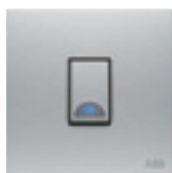
1 Gang switches Rocker



Type	Technical data	Description
AM10120-ST	10 AX	1 gang 1 way switch
AM10520-ST	10 AX	1 gang 2 way switch
AM11920-ST	10 AX	Intermediate switch
AM11020-ST	20 AX	1 gang 1 way switch
AM11520-ST	20 AX	1 gang 2 way switch



Type	Technical data	Description
AM18120-ST	10 AX	1 gang 2 way switch, with bell symbol



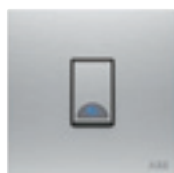
Type	Technical data	Description
AM11120-ST	20 AX	1 gang 1 way double pole switch, with status indicator led



Type	Technical data	Description
AM43020-ST	10 A	1 gang 1 way push button switch



Type	Technical data	Description
AM10920-ST	20 AX	1 gang 1 way double pole switch, with led for water heater



Type	Technical data	Description
AM42920-ST	10 A	1 gang 1 way push button switch, with bell symbol

Millenium Complete sets

1 Gang switches Premium rocker



Type	Technical data	Description
AM10144-ST	10 AX	1 gang 1 way switch
AM10544-ST	10 AX	1 gang 2 way switch
AM11944-ST	10 AX	Intermediate switch
AM11044-ST	20 AX	1 gang 1 way switch
AM11544-ST	20 AX	1gang 2 way switch

2 Gang switches

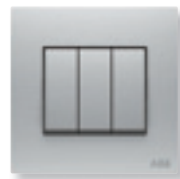


Type	Technical data	Description
AM10244-ST	10 AX	2 gang 1 way switch
AM10644-ST	10 AX	2 gang 2 way switch
AM11444-ST	20 AX	2 gang 1 way switch
AM11644-ST	20 AX	2 gang 2 way switch

3 Gang switches



Type	Technical data	Description
AM13444-ST	10 A 3 poles	Fan isolator



Type	Technical data	Description
AM10753-ST	10 AX	3 gang 2 way switch
AM12153-ST	16 AX	3 gang 2 way switch

4 Gang switches



Type	Technical data	Description
AM18144-ST	10 AX	1 gang 2 way switch, with bell symbol



Type	Technical data	Description
AM19188-ST	10 AX	4 gang 2 way switch
AM19588-ST	20 AX	4 gang 2 way switch

Socket outlets



Type	Technical data	Description
AM43044-ST	10 A	1 gang 1 way push button switch



Type	Technical data	Description
AM23386-ST	13A SP dual earth terminals with child safety shutter system.	BS single pole switched socket outlet.
AM23386-SB		
AM23386-MG		
AM23386-AG		
AM23786-ST	13A DP dual earth terminals with child safety shutter system.	BS double pole switched socket outlet.
AM23786-SB		
AM23786-MG		
AM23786-AG		



Type	Technical data	Description
AM42944-ST	10 A	1 gang 1 way push button switch, with bell symbol



Type	Technical data	Description
AM23486-ST	13A SP dual earth terminals and LED with child safety shutter system.	BS single pole switched socket outlet with led.
AM23486-SB		
AM23486-MG		
AM23486-AG		
AM23886-ST	13A DP dual earth terminals and LED with child safety shutter system.	BS double pole switched socket outlet with led.
AM23886-SB		
AM23886-MG		
AM23886-AG		



Type	Technical data	Description
AM17744-ST	45 A	1 gang double pole switch, with status indicator led
AM17744-SB		
AM17744-MG		
AM17744-AG		

Millenium Complete sets

Socket Outlets



Type	Technical data	Description
AM239147-ST	13A DP dual earth terminals with child safety shutter system.	2 gang BS double pole switched socket outlet.
AM239147-SB		
AM239147-MG		
AM239147-AG		



Type	Technical data	Description
AM240147-ST	13A DP dual earth terminals and LED with child safety shutter system.	2 gang BS double pole switched socket outlet with led.
AM240147-SB		
AM240147-MG		
AM240147-AG		



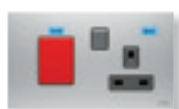
Type	Technical data	Description
AM22186-ST	5A DP with child safety shutter system.	BS double pole round pin switched socket outlet.
AM22186-SB		
AM22186-MG		
AM22186-AG		
AM20986-ST	15A DP with child safety shutter system.	BS double pole round pin switched socket outlet.
AM20986-SB		
AM20986-MG		
AM20986-AG		



Type	Technical data	Description
AM23186-ST	15A DP with LED and child safety shutter system.	BS double pole round pin switched socket outlet with led.
AM23186-SB		
AM23186-MG		
AM23186-AG		



Type	Technical data	Description
AM29486-ST	13A with child safety shutter system.	Universal socket outlet.
AM29486-SB		
AM29486-MG		
AM29486-AG		



Type	Technical data	Description
AM118147-ST	45 DP main switch and 13A switch socket outlet with child shutter safety system and LED	Cooker control unit
AM118147-SB		
AM118147-MG		
AM118147-AG		

Telecommunications & audio



Type	Technical data	Description
AM32144-ST	4 pole UTP	1 gang telephone outlet, RJ11
AM32144-SB		
AM32144-MG		
AM32144-AG		



Type	Technical data	Description
AM30544-ST	6 pole UTP	1 gang telephone outlet, BT master, R11/RJ12
AM30544-SB		
AM30544-MG		
AM30544-AG		



Type	Technical data	Description
AM30644-ST	6 pole UTP	1 gang telephone outlet, BT secondary, RJ11/RJ12
AM30644-SB		
AM30644-MG		
AM30644-AG		



Type	Technical data	Description
AM33144-ST	8 pole UTP	1 gang computer outlet, RJ45 Cat 5e UTP
AM33144-SB		
AM33144-MG		
AM33144-AG		



Type	Technical data	Description
AM33344-ST	8 pole UTP	1 gang computer outlet, RJ45 Cat 6 UTP
AM33344-SB		
AM33344-MG		
AM33344-AG		



Type	Technical data	Description
AM33544-ST	For connectors type Keystone, AMP, Brand-Rex, Openet-ICS, THT Leviton, Krone.	RJ45 single adapter
AM33544-SB		
AM33544-MG		
AM33544-AG		

Millenium Complete sets

Telecommunications & audio



Type	Technical data	Description
AM33244-ST	8 pole UTP	2 gang computer outlet, RJ45, Cat 5e UTP
AM33244-SB		
AM33244-MG		
AM33244-AG		



Type	Technical data	Description
AM34144-ST	2 terminals	Audio outlet, 2 terminals L & R
AM34144-SB		
AM34144-MG		
AM34144-AG		



Type	Technical data	Description
AM32944-ST	8 pole UTP	2 gang computer outlet, RJ45, Cat 6 UTP
AM32944-SB		
AM32944-MG		
AM32944-AG		



Type	Technical data	Description
AM55044-ST	20 A	Flex outlet
AM55044-SB		
AM55044-MG		
AM55044-AG		

Dimmers



Type	Technical data	Description
AM33444-ST	For connectors type: Keystone, AMP, Brand-Rex, Openet-ICS, THT Leviton , Krone.	RJ45 double adapter
AM33444-SB		
AM33444-MG		
AM33444-AG		



Type	Technical data	Description
AM41244-ST	230 V~ ±10 % 50 Hz ⚡ 40-250 W 🔌 40-150 VA	1 gang double rotary dimmer
AM41244-SB		
AM41244-MG		
AM41244-AG		



Type	Technical data	Description
AM30144-ST	Dead-end-feeder isolated For technical data and frequency, please refer to details in page 26	1 gang TV outlet
AM30144-SB		
AM30144-MG		
AM30144-AG		



Type	Technical data	Description
AM41344-ST	230 V~ ±10 % 50 Hz ⚡ 40-400 W 🔌 40-300 VA	Rotary dimmer
AM41344-SB		
AM41344-MG		
AM41344-AG		

Thermostats



Type	Technical data	Description
AM31344-ST	For technical data and frequency, please refer to details in page 26	TV / SAT outlet
AM31344-SB		
AM31344-MG		
AM31344-AG		



Type	Technical data	Description
AM41786-ST	Rated power: 200 W Sensor: NTC Temperature setting: 5° C - 35° C Temp adjustment: ±1° C Depth: 25,5 mm.	Thermostat controller, 2 pipe system with blue display
AM41786-SB		
AM41786-MG		
AM41786-AG		



Type	Technical data	Description
AM30344-ST	F type isolated dead-end-feeder. For technical data and frequency, please refer to details in page 26	SAT outlet
AM30344-SB		
AM30344-MG		
AM30344-AG		



Type	Technical data	Description
AM42086-ST	Rated power: 200 W Sensor: NTC Temperature setting: 5° C - 35° C Temp adjustment: ±1° C Depth: 25,5 mm.	Thermostat controller, 4 pipe system with blue display
AM42086-SB		
AM42086-MG		
AM42086-AG		

Millenium Complete sets

Hotel equipment



Type	Technical data	Description
AM40344-ST	10 A DND/MUR	Bell push switch "Do Not Disturb" and "Make Up Room" by LED signalling



Type	Technical data	Description
AM40444-ST	10 A/220 V DND/MUR	2 gang switch "Do Not Disturb" & "Make Up Room" by LED signaling



Type	Technical data	Description
AM11844-ST	Rated power: 16 AX Outputs: 2 normally open contact Multi-way input terminal (up/down)	Blind control switch



Type	Technical data	Description
AM40244-ST	16 AX/250 V	Card switch
AM40244-SB	Includes indication LED	
AM40244-MG		
AM40244-AG		



Type	Technical data	Description
AM40544-ST	16 AX/250 V	Electronic card switch
AM40544-SB	Including LED indicator, time relay between 5-90 sec.	
AM40544-MG	For hotel cards up to 54 mm width.	
AM40544-AG		



Type	Technical data	Description
AM50093-BL	0.7 mA 250v Frontal replacement of indication LED for card switches	Spare led for card switches



Type	Technical data	Description
AM40188-ST	20 VA/230 V	Shaver socket outlet Flush wall box included
AM40188-SB	Outputs: 115 V and 230 V.	
AM40188-MG	Dimensions: 150 x 90 x 54 mm	
AM40188-AG		

Various



Type	Technical data	Description
AM50444-ST		Premium blank plate
AM50444-SB		
AM50444-MG		
AM50444-AG		



Type	Technical data	Description
AM50653-ST	13 A/230 V	Fuse connection unit with flex outlet
AM50653-SB	Fuse size: Ø6.3*25mm	
AM50653-MG	Fuse breaking capacity: 6kA 264 V~ 50 Hz	
AM50653-AG	Fuse according to BS1362	



Type	Technical data	Description
AM50853-ST	13 A/230 V	Fuse connection unit with flex outlet with led
AM50853-SB	Fuse size: Ø6.3*25mm	
AM50853-MG	Fuse breaking capacity: 6kA 264 V~ 50 Hz	
AM50853-AG	Fuse according to BS1362	



Type	Technical data	Description
AM50753-ST	13 A/230 V	Switched fuse connection unit with flex outlet
AM50753-SB	Fuse size: Ø6.3*25mm	
AM50753-MG	Fuse breaking capacity: 6kA 264 V~ 50 Hz	
AM50753-AG	Fuse according to BS1362	



Type	Technical data	Description
AM50100-CH	For use with AM1120-XX, AMD1120-XX, AM18120-XX, AMD18120-XX, AMD42920-XX, AMD42920-XX, AMD18144-XX, AMD18144-XX, AMD2944-XX, AMD42944-XX	Key symbol
AM50200-CH		Fan symbol
AM50300-CH		WC symbol
AM50400-CH		Room service symbol
AM50500-CH		Nurse symbol
AM50600-CH		Stop symbol

Millenium Combination sets

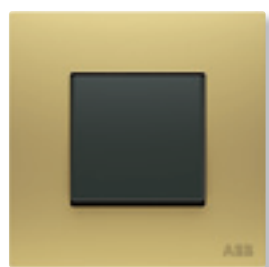
Grid system



ST/SB



SB/ST



MG/SB



AG/SB

The Millenium collection includes four metal finishes that can be combined with any type of decoration or interior design. As a grid type system, we can combine up to sixteen different options giving a unique and personal touch to our desired atmosphere.

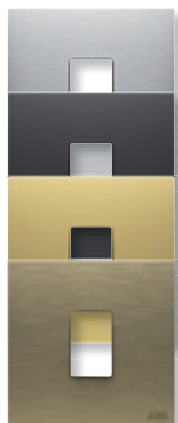
ST/SB	Stainless Steel/Silk Black
SB/ST	Silk Black/Stainless Steel
MG/SB	Matt Gold/Silk Black
AG/SB	Antique Gold/Silk Black

Rocker switch



Type	Type	Type	Type	Technical data	Description
AMD10120-ST	AMD10120-SB	AMD10120-MG	AMD10120-AG	10 AX	1 gang 1 way switch rocker
AMD10520-ST	AMD10520-SB	AMD10520-MG	AMD10520-AG	10 AX	1 gang 2 way switch rocker
AMD11920-ST	AMD11920-SB	AMD11920-MG	AMD11920-AG	10 AX	Intermediate switch rocker
AMD43020-ST	AMD43020-SB	AMD43020-MG	AMD43020-AG	10 A	1 gang 1 way push button switch rocker
AMD42920-ST	AMD42920-SB	AMD42920-MG	AMD42920-AG	10 A	1 gang 1 way push button switch rocker, with bell symbol
AMD18120-ST	AMD18120-SB	AMD18120-MG	AMD18120-AG	10 AX	1 gang 2 way switch rocker, with bell symbol
AMD11020-ST	AMD11020-SB	AMD11020-MG	AMD11020-AG	20 AX	1 gang 1 way switch rocker
AMD11520-ST	AMD11520-SB	AMD11520-MG	AMD11520-AG	20 AX	1 gang 2 way switch rocker
AMD11120-ST	AMD11120-SB	AMD11120-MG	AMD11120-AG	20 AX	1 gang 1 way double pole switch rocker, with status indicator led
AMD10920-ST	AMD10920-SB	AMD10920-MG	AMD10920-AG	20 AX	1 gang 1 way double pole switch rocker, with status indicator led for water heater 20A

Rocker switch frame



Type	Type	Type	Type	Technical data	Description
AMD5120-ST	AMD5120-SB	AMD5120-MG	AMD5120-AG	Frame includes metal mounting plate. Dimensions 86x86 mm	Rocker switch frame 1 gang

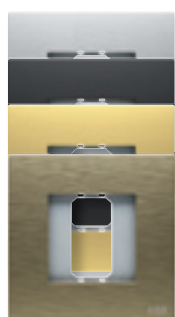
Millenium Combination sets

Premium rocker switch



Type	Type	Type	Type	Technical data	Description
AMD10144-ST	AMD10144-SB	AMD10144-MG	AMD10144-AG	10 AX	1 gang 1 way switch premium rocker
AMD11044-ST	AMD11044-SB	AMD11044-MG	AMD11044-AG	20 AX	1 gang 1 way switch premium rocker
AMD10544-ST	AMD10544-SB	AMD10544-MG	AMD10544-AG	10 AX	1 gang 2 way switch premium rocker
AMD11544-ST	AMD11544-SB	AMD11544-MG	AMD11544-AG	20 AX	1 gang 2 way switch premium rocker
AMD18144-ST	AMD18144-SB	AMD18144-MG	AMD18144-AG	10 AX	1 gang 2 way switch premium rocker, with bell symbol
AMD11944-ST	AMD11944-SB	AMD11944-MG	AMD11944-AG	10 AX	Intermediate switch premium rocker
AMD43044-ST	AMD43044-SB	AMD43044-MG	AMD43044-AG	10 A	1 gang 1 way push button switch premium rocker
AMD42944-ST	AMD42944-SB	AMD42944-MG	AMD42944-AG	10 A	1 gang 1 way push button switch premium rocker, with bell symbol

Premium rocker frame



Type	Type	Type	Type	Technical data	Description
AMD5044-ST	AMD5044-SB	AMD5044-MG	AMD5044-AG	Frame includes metal mounting plate Dimensions 86x86 mm	Premium rocker frame 1 gang

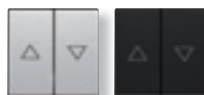


Type	Type	Type	Type	Technical data	Description
AMD5244-ST	AMD5244-SB	AMD5244-MG	AMD5244-AG	Frame includes metal mounting plate. Dimensions 86x147 mm	Premium/Double rocker frame 2 gang

Half/Double rocker switches



Type	Type	Type	Type	Technical data	Description
AMD10222-ST	AMD10222-SB	AMD10222-MG	AMD10222-AG	10 AX	1 gang 1 way switch half rocker
AMD10622-ST	AMD10622-SB	AMD10622-MG	AMD10622-AG	10 AX	1 gang 2 way switch half rocker
AMD12922-ST	AMD12922-SB	AMD12922-MG	AMD12922-AG	10 AX	Intermediate switch half rocker
AMD43222-ST	AMD43222-SB	AMD43222-MG	AMD43222-AG	10 A	1 gang 1 way push button switch half rocker
AMD11422-ST	AMD11422-SB	AMD11422-MG	AMD11422-AG	20 AX	1 gang 1 way switch half rocker
AMD11622-ST	AMD11622-SB	AMD11622-MG	AMD11622-AG	20 AX	1 gang 2 way switch half rocker



Type	Type	Type	Type	Technical data	Description
AMD11844-ST	AMD11844-SB	AMD11844-MG	AMD11844-AG	Rated power: 16 AX Outputs: 2 normally open contact Multi-way input terminal (up/down)	Blind control switch
AMD40344-ST	AMD40344-SB	AMD40344-MG	AMD40344-AG	10 A. DND/MUR Indication by led	Bell push switch "Do Not Disturb" and "Make Up Room" by LED signalling
AMD40444-ST	AMD40444-SB	AMD40444-MG	AMD40444-AG	10 AX. DND/MUR Indication by led	2 gang switch "Do Not Disturb" & "Make Up Room" by LED signaling

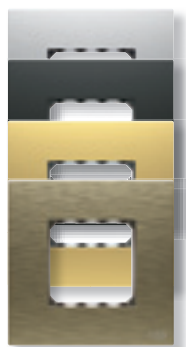


Type	Type	Type	Type	Technical data	Description
AMD13444-ST	AMD13444-SB	AMD13444-MG	AMD13444-AG	10 A	Fan isolator

Millenium

Combination sets

Half / Double rocker frame



Type	Type	Type	Type	Technical data	Description
AMD5144-ST	AMD5144-SB	AMD5144-MG	AMD5144-AG	Frame includes metal mounting plate. Dimensions 86x86 mm	Half / Double rocker frame 1 gang



Type	Type	Type	Type	Technical data	Description
AMD5244-ST	AMD5244-SB	AMD5244-MG	AMD5244-AG	Frame includes metal mounting plate. Dimensions 86x147 mm	Premium / Double rocker frame 2 gang

Triple rocker switch



Type	Type	Type	Type	Technical data	Description
AMD10753-ST	AMD10753-SB	AMD10753-MG	AMD10753-AG	10 AX	3 gang 2 way switch rocker
AMD12153-ST	AMD12153-SB	AMD12153-MG	AMD12153-AG	16 AX	3 gang 2 way switch rocker

Triple rocker / KNX frame



Type	Type	Type	Type	Technical data	Description
AMD5153-ST	AMD5153-SB	AMD5153-MG	AMD5153-AG	Frame includes metal mounting plate. Dimensions 86x86 mm	Triple rocker / KNX frame 1 gang



Type	Type	Type	Type	Technical data	Description
AMD5253-ST	AMD5253-SB	AMD5253-MG	AMD5253-AG	Frame includes metal mounting plate. Dimensions 86x147mm	Triple rocker / KNX frame 2 gang

Millenium KNX



The Millenium collection has not only been designed to fulfill aesthetic desires but also to improve life. Millenium offers KNX sensors to make easier our comfort, safety, security and energy efficiency of our living spaces enabling the management with one touch.

Millenium series offers special metal mounting plate for KNX sensors to reduce the height and improve the aesthetics for ultra slim design.

Support of KNX functions through innovative colour concept yellow=lighting, blue=blind, orange=RTC, magenta=scene and white=neutral / no function assigned) or standard illumination red / green.

The KNX sensors allow to replace the buttons with the desired symbols in order to adjust the sensor to specific design and needs (light, blind, scene, RTC, Fan coil and lighting).

Push switch function: switching / dimming / blind / sending values / scenes etc.



Type	Technical data	Description
AMD72053-AN (6125/20-981-500)	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
		2 -Fold sensor



Type	Technical data	Description
AMD74053-AN (6126/20-981-500)	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
		4 -Fold sensor



Type	Technical data	Description
AMD76053-AN (6129/20-981-500)	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
		6 -Fold sensor



Type	Technical data	Description
AMD76153-AN (6129/21-981-500)	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
		6-Fold sensor with IR



Type	Technical data	Description
AMD70153-AN (6122/20-981-500)	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
		Watchdog 180 flush mounted.



Type	Technical data	Description
AMD70053-AN (6124/20-981-500)	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
		Room thermostat heating/cooling Fan Coil

Symbols



Type	Technical data	Description
AM50701-GR (6123/20-500)	Labelling insert for Millenium control covers 1/2-gang, 2/4-gang, 3/6-gang and 3/6-gang with infrared	Ceiling light symbol
AM50702-GR (6123/21-500)		Blinds symbol
AM50703-GR (6123/22-500)		Scene symbol
AM50704-GR (6123/23-500)		Temperature symbol
AM50705-GR (6123/24-500)		Light symbol
AM50706-GR (6123/26-500)		Fan Coil symbol

Triple rocker / KNX frame



Type	Type	Type	Type	Technical data	Description
AMD5153-ST	AMD5153-SB	AMD5153-MG	AMD5153-AG	Frame includes metal mounting plate. Dimensions 86x86 mm	Triple rocker / KNX frame 1 gang



Type	Type	Type	Type	Technical data	Description
AMD5253-ST	AMD5253-SB	AMD5253-MG	AMD5253-AG	Frame includes metal mounting plate. Dimensions 86x147 mm	Triple rocker / KNX frame 2 gang

Special metal mounting plate for KNX sensors

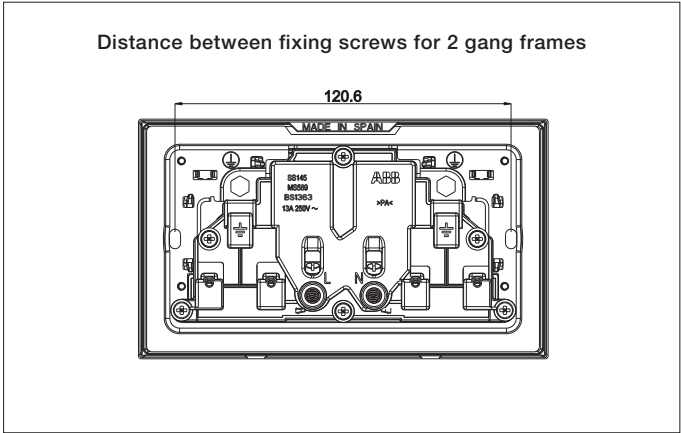
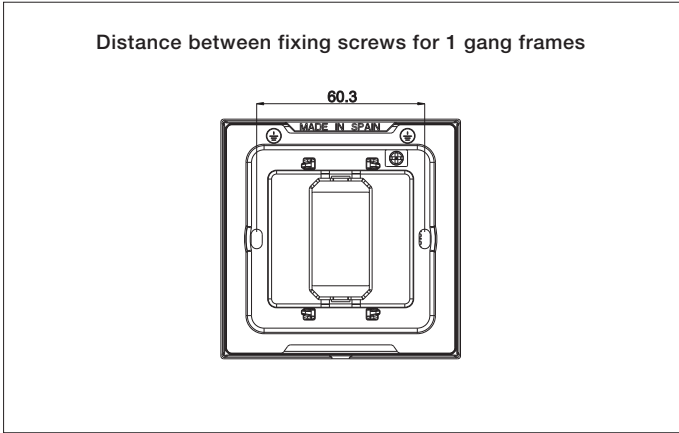
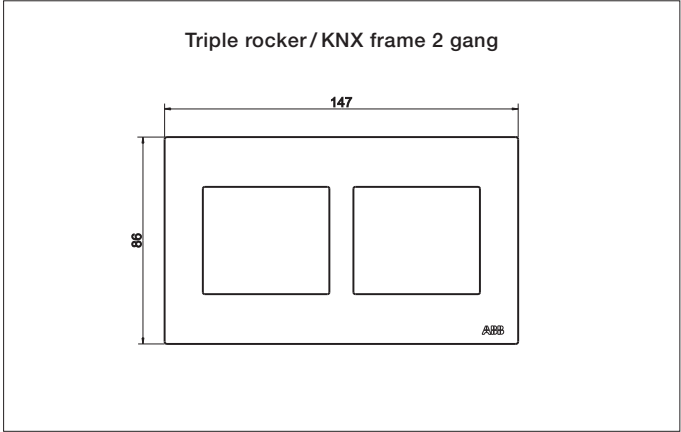
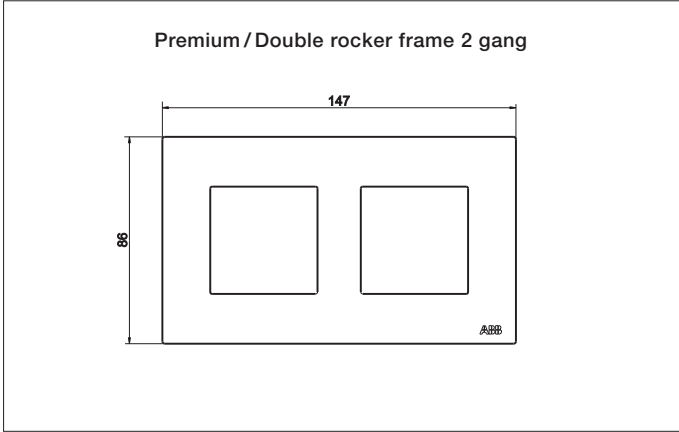
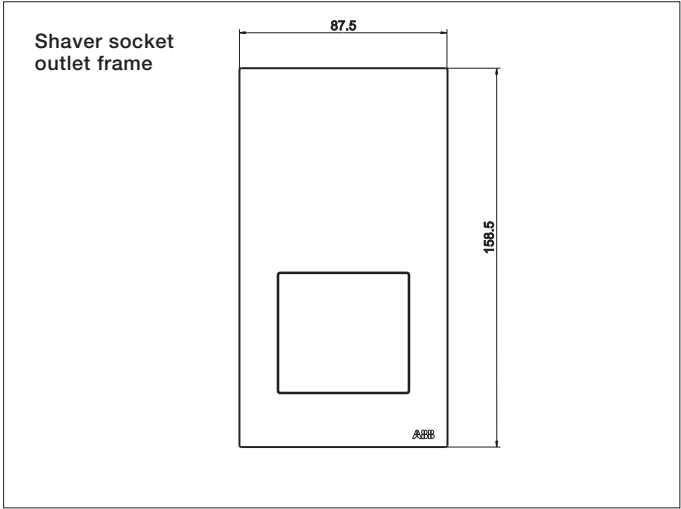
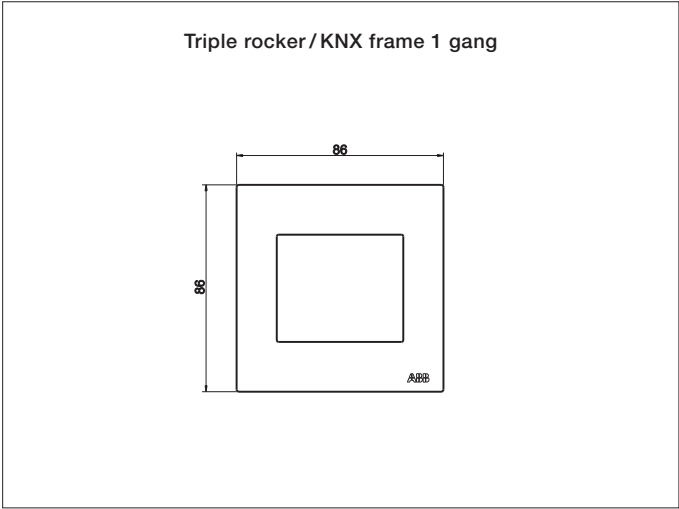
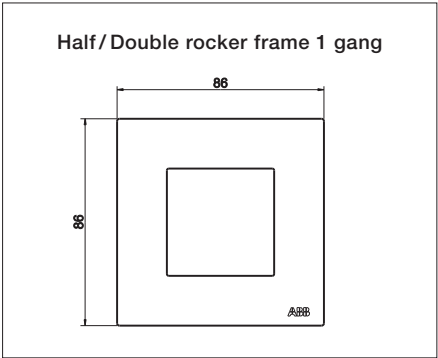
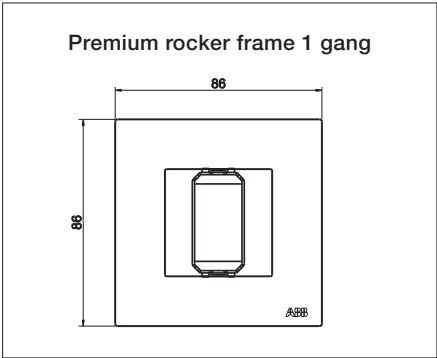
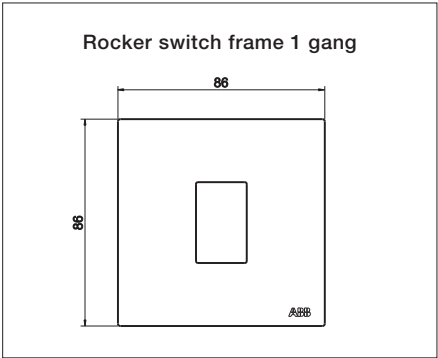


Type	Technical data	Description
AMD5053	Allows reduction height of KNX sensors to 1mm. Only for following items: AMD72053-AN, AMD74053-AN, AMD76053-AN, AMD76153-AN	Special metal mounting plate for KNX sensors 1 gang

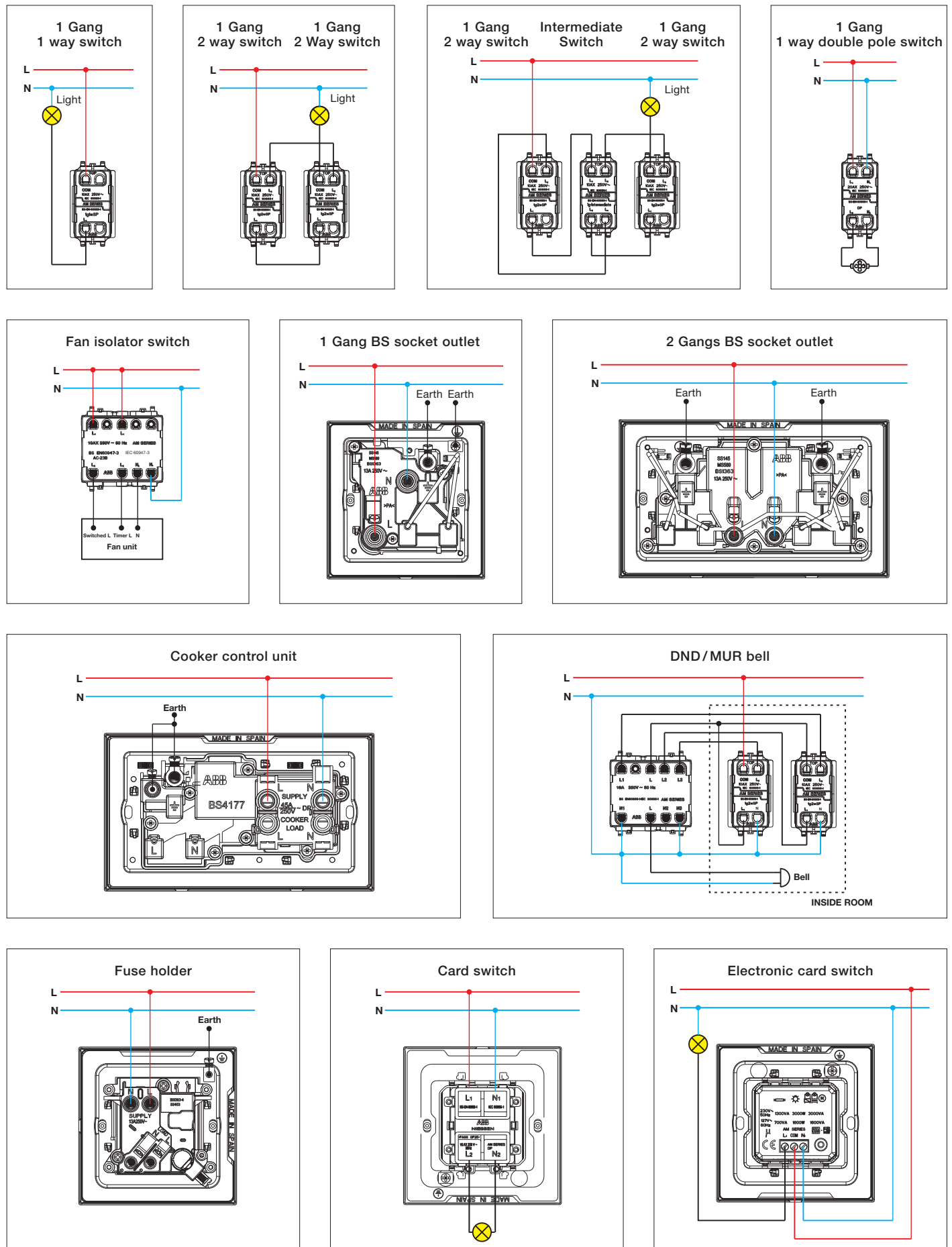
International standard

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

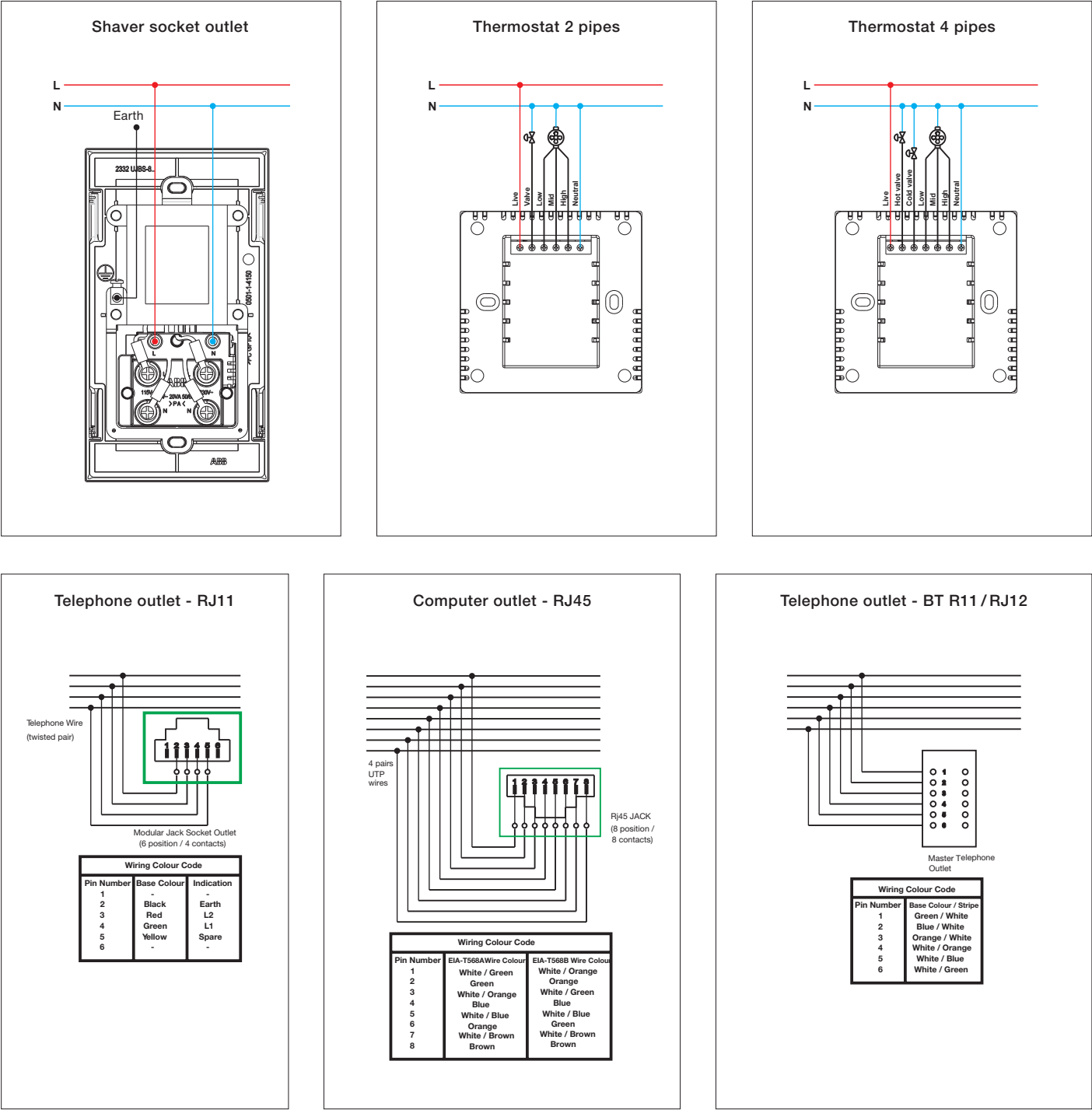
Frame dimensions



Circuit connection diagrams



Circuit connection diagrams



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	

Contact us

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

Busch-Jaeger Elektro GmbH

Freisenbergstraße 2
58513 Lüdenscheid
Germany
www.busch-jaeger.com
info.bje@de.abb.com
Central sales service
Phone: +49 2351 956-1600
Fax: +49 2351 956-1700

Kuwait

ABB Engineering Technologies Co. (KSCC)
Al Ghunaim Building, 3rd Floor, Commercial
Area No. 1
13043 Safat
Tel. 009652428626

Oman

ABB LLC
218, Hatat House, P.O. Box 778,
131 Al Hamriya
OM Muscat
Tel. 00968 24 567 410

UAE

ABB Industries LLC
Al Quoz Industrial Area 3
4th Interchange, St. No: 4

Dubai

Tel. 0097 143147500
E-Mail general.accounts@du.abb.com
Homepage www.abb.com/ae

Qatar

ABB L.L.C.
HSBC Building, Building 150
7th Floor Left
Al Matar Street (Airport Road)
QA Umm Ghuwailina, Doha
Tel. 00974 44253888

Singapore

ABB Pte. Ltd.
2, Ayer Rajah Crescent
SGP-139935 Singapore
Tel: +65 6 7765711
Fax: +65 6 7780222

India

ABB Limited
Plot N°. 1, Sector- 1 B, I.I.E. SIDCUL,
Haridwar-249403. India
Tel: +91 1334235447
Fax: +91 1334 235449
Helpline number: 1800 425 0707
Toll Free (BSNL/MTNL)
E-mail: helpline.abbindia@in.abb.com

More information:

