

# Concept bs

Naturally aesthetic



- high quality polycarbonate material with improved flame-retardant characteristics
- practical light switch range includes electronics
- hospitality solutions
- compatible with KNX and ABB wiring accessories

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**We touch them every day. Thanks to them we power and control various devices. They are integral part of our living space. Light switches and socket outlets. Besides their perfect functionality they meet also aesthetic requirements and individual tastes of customers. With their distinctive curves, Concept bs switches add an extra natural flow to your interior environments.**

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## Naturally aesthetic

Nature rarely presents us with straight lines and the Concept bs range of switches reflects this. Rather than rigidly sticking to squares, it steps outside the box to add some subtle curves to your interior design.



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## Timeless design in modern colors

Its unique design makes it the perfect range to meet your desired look and feel of switches and sockets. Its colour variety makes it always a perfect fit to the room decor, and sets an elegant accent to the overall look. Because elegance lies in the detail.

- 01 White
- 02 Silver - S
- 03 Elegant Grey - G
- 04 Silver Champagne - C
- 05 Pearl Gold - PG

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# Applications

With their distinctive curves, Concept bs switches add an extra subtlety to your room design in any environment whether at homes, in a hotel room or a commercial building.



## Homes

With its unique design – its square rocker combined with a slight curve on the top and bottom – Concept bs can be combined with any architectural style, and thus helps to turn a house into a home.



## Hotels

The Concept bs assortment fulfills the high expectations of owners and guests in all main areas such as guest rooms, restaurants, meeting rooms, and lobbies. With its room thermostat, and its variety of function control products, it even helps to save energy and protect the environment.



## Commercials

Concept bs is the right choice, for any project. Whether it is a restaurant, a bar, a shopping mall, or an office building, one can be sure that this switch range will increase the aesthetical appraisal of the room, decrease the energy costs, and thus the impact on the environment.



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## Benefits & features

The strengths of Concept bs switch range derive from numerous technical features, that convert technology into comfort.

### Excellent material for durability

High quality poly carbonate material with improved flame-retardant characteristics is used, which is flexible and will not deform or change colour even after long-term use or prolonged exposure to direct sunlight.



### LED indicator light

The switches with LED light indicators combine the attribute of low electricity consumption with the longevity of over 100,000 operating hours. The decorative line uses combined moulding technology, allowing the perfect shape for the LED light.

### More safety with Concept bs surge protection products

Surge protection is available for international, computer and telephone socket outlets. Concept bs surge protection devices help to safeguard from the risk of personal injury and/or damage to equipment resulting from lightning strikes or voltage surges.



### Hospitality range

Concept bs also offers a wide range of products such as shaver socket outlet, volume control, key card switch and doorbell switch. The doorbell switch can be customized with “Do Not Disturb”, “Please Clean Room” and “Please Wait” markings and indicators.



### Wide variety of data communication outlets

For all kinds of applications in one gang and two gang versions. The labeling field avoids confusion in a structured PC network. The Concept bs series provides both cat. 5e and cat. 6 computer socket outlets to meet present customer expectations.

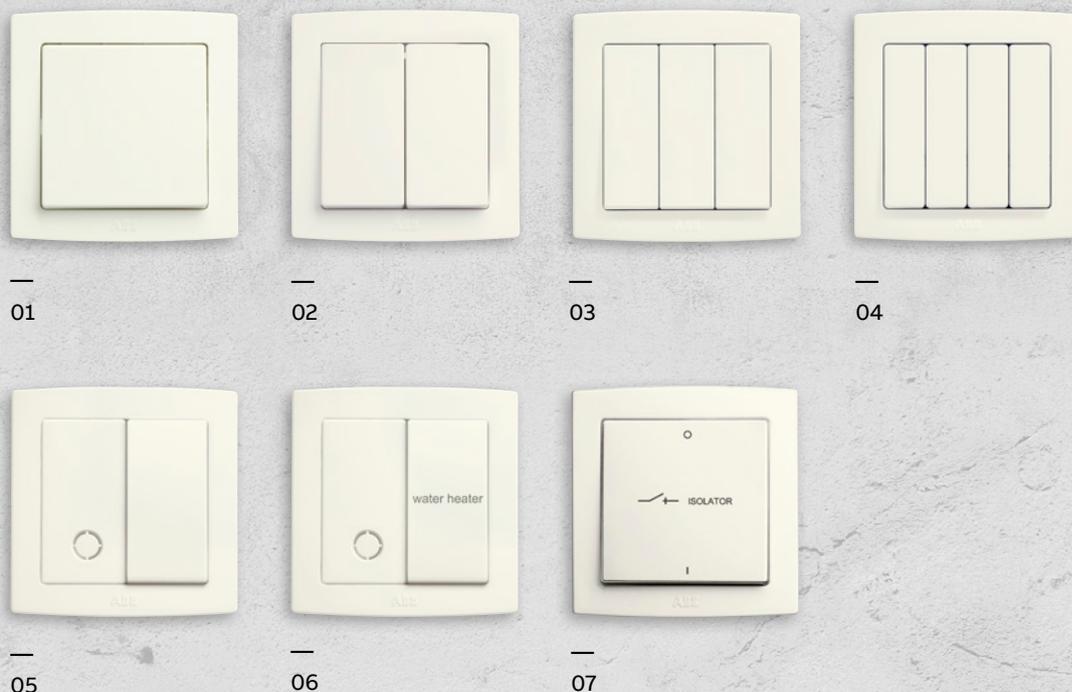


### More options, less time to install, compatible with KNX range

Modular design cuts the time and cost of installation, fixtures are placed onto the grid structure and simply clicked into place. Choice of single, dual, triple and quadruple frame options in different color. More options also possible with ABB's i-bus® KNX and wiring accessories assortment.

# Product overview

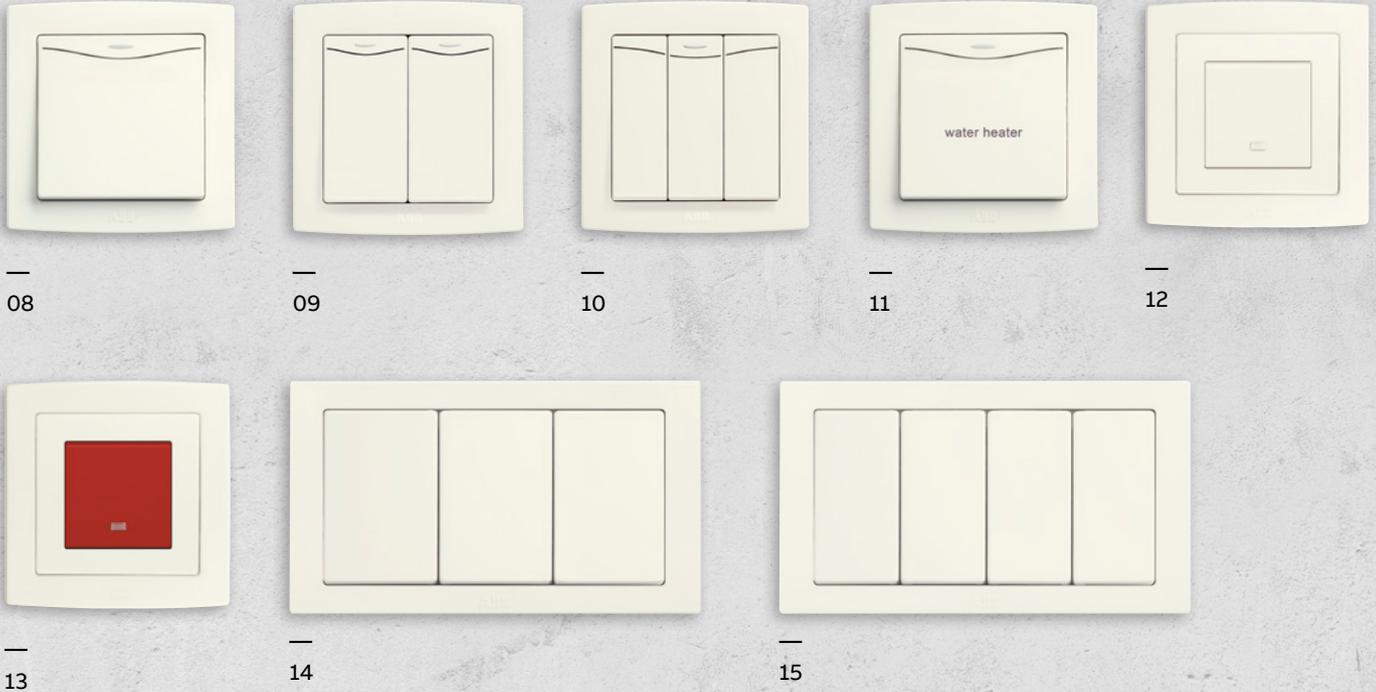
## Switches



See product picture	Order Code	Type	Description	Technical Data	Flush-mounted Box Dimension
<b>Switches</b>					
1	CBA031A011S1010	AC101	1G 1W switch,10AX	10AX	35mm
2	CBA031A031S1010	AC102	2G 1W switch,10AX	10AX	35mm
3	CBA031A051S1010	AC103	3G 1W switch,10AX	10AX	35mm
4	CBA031A191S1010	AC104	4G 1W switch,10AX	10AX	35mm
1	CBA031A021S1010	AC105	1G 2W switch,10AX	10AX	35mm
2	CBA031A041S1010	AC106	2G 2W switch,10AX	10AX	35mm
3	CBA031A061S1010	AC107	3G 2W switch,10AX	10AX	35mm
4	CBA031A311S1010	AC108	4G 2W switch,10AX	10AX	35mm
1	CBA031A013S1010	AC110	1G 1W switch,20AX	20AX	35mm
1	CBA031A283S1010	AC111	1G 1W double pole switch with marking "On",20AX	20AX	35mm
1	CBA031A023S1010	AC112	1G 2W switch,20AX	20AX	35mm
2	CBA031A303S1010	AC113	2G 1W double pole switch with marking "On",20AX	20AX	35mm
2	CBA031A033S1010	AC114	2G 1W switch,20AX	20AX	35mm
2	CBA031A043S1010	AC115	2G 2W switch,20AX	20AX	35mm
3	CBA031A052S1010	AC116	3G 1W switch,16AX	16AX	35mm
4	CBA031A192S1010	AC117	4G 1W switch,16AX	16AX	35mm
2	CBA031A326S1010	AC118	Cooker switch double pole with neon, 45A	45A	47mm
1	CBA031A261S1010	AC119	Intermediate switch,10AX	10AX	35mm
3	CBA031A062S1010	AC121	3G 2W switch,16AX	16AX	35mm
1	CBA031A433S1010	AC196	1G 2W double pole Switch,20AX	20AX	35mm
1	CBA034A161S1010	AC430	1G 1W push switch,10A	10A	35mm
2	CBA034A171S1010	AC438	2G 1W push switch,10A	10A	35mm
5	CBA031A343S1010	AC120	1G 1W double pole switch with marking "On", with flex outlet,20AX	20AX	35mm
6	CBA031A343S1110	AC120WH	1G 1W double pole switch with marking "On","water heater",with flex outlet,20AX	20AX	35mm
7	CBA031A351S1010	AC134	Fan isolator 3 pole,10A	10A	35mm

# Product overview

## Switches



See product picture	Order Code	Type	Description	Technical Data	Flush-mounted Box Dimension
<b>Switches</b>					
8	CBA031A081S1010	AC161	1G 1W switch with LED/decorative line,10AX	10AX	35mm
9	CBA031A121S1010	AC162	2G 1W switch with LED/decorative line,10AX	10AX	35mm
10	CBA031A161S1010	AC163	3G 1W switch with LED/decorative line,10AX	10AX	35mm
8	CBA031A101S1010	AC164	1G 2W switch with LED/decorative line,10AX	10AX	35mm
9	CBA031A141S1010	AC165	2G 2W switch with LED/decorative line,10AX	10AX	35mm
10	CBA031A181S1010	AC166	3G 2W switchwith LED/decorative line,10AX	10AX	35mm
8	CBA031A083S1010	AC170	1G 1W switch with LED/decorative line,20AX	20AX	35mm
8	CBA031A293S1010	AC171	1G 1W double pole switch with LED/decorative line, with marking "On",20AX	20AX	35mm
11	CBA031A293S1110	AC171WH	1G 1W double pole switchwith LED/decorative line,with marking "On","water heater",20AX	20AX	35mm
8	CBA031A103S1010	AC172	1G 2W switch with LED/decorative line,20AX	20AX	35mm
9	CBA031A123S1010	AC173	2G 1W switch with LED/decorative line,20AX	20AX	35mm
9	CBA031A143S1010	AC174	2G 2W switch with LED/decorative line,20AX	20AX	35mm
10	CBA031A182S1010	AC175	3G 2W switch with LED/decorative line,16AX	16AX	35mm
8	CBA031A363S1010	AC178	2G 1W double pole switch with LED/decorative line,with marking"On",20AX	20AX	35mm
12	CBA031A295S1010	AC176	1G 1W double pole switch with LED,32A	32A	47mm
13	CBA031A296S1010	AC177	1G 1W double pole switch with LED,45A	45A	47mm
14	CBA031A371S1010	AC128	3G 1W switch(146 type), 10AX	10AX	35mm
15	CBA031A391S1010	AC129	4G 1W switch(146 type), 10AX	10AX	35mm
14	CBA031A381S1010	AC190	3G 2W switch(146 type), 10AX	10AX	35mm
15	CBA031A401S1010	AC191	4G 2W switch(146 type), 10AX	10AX	35mm
14	CBA031A373S1010	AC192	3G 1W switch(146 type), 20AX	20AX	35mm
15	CBA031A393S1010	AC193	4G 1W switch(146 type), 20AX	20AX	35mm
14	CBA031A383S1010	AC194	3G 2W switch(146 type), 20AX	20AX	35mm
15	CBA031A403S1010	AC195	4G 2W switch(146 type), 20AX	20AX	35mm

# Product overview

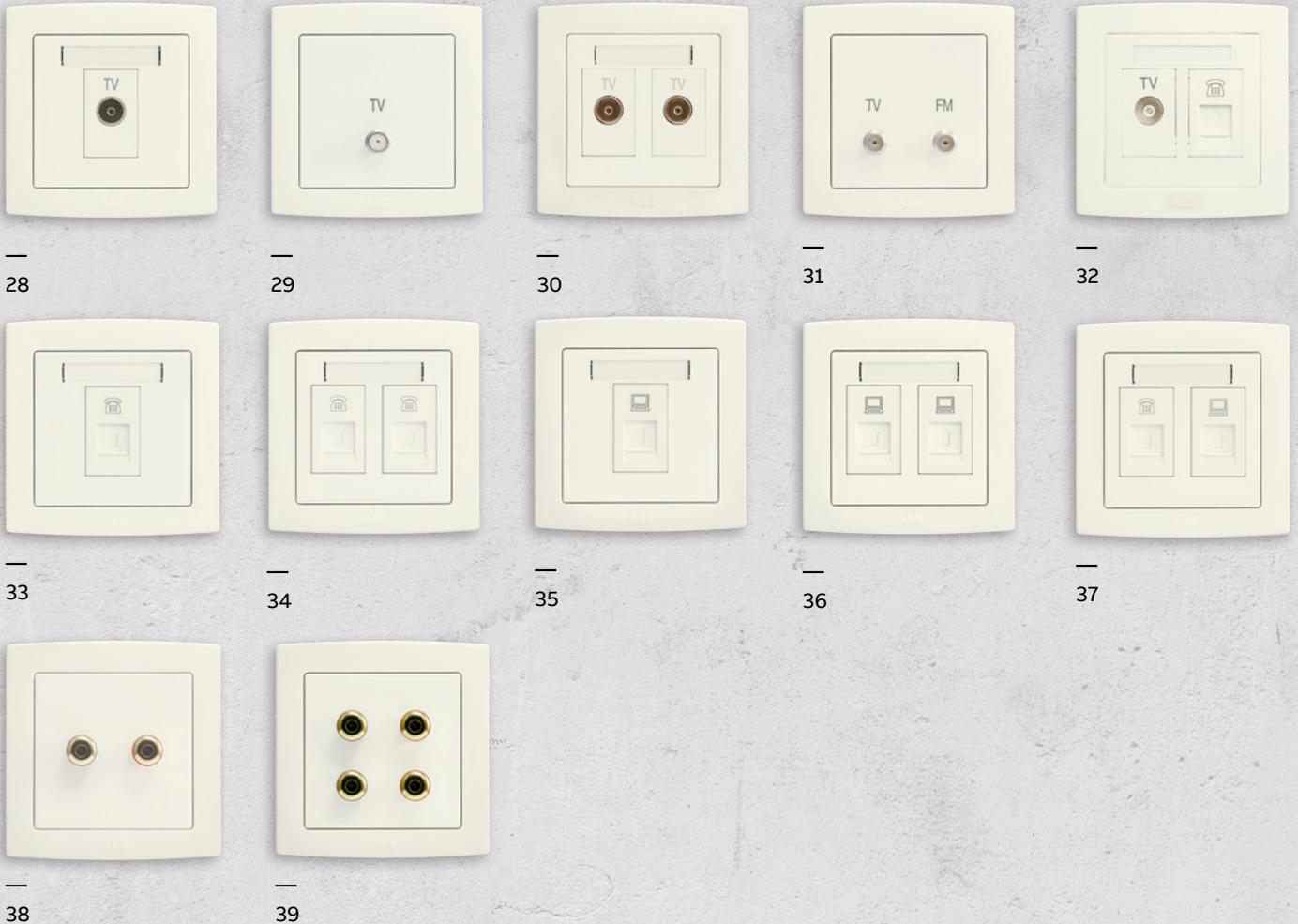
## Socket outlets



See product picture	Order Code	Type	Description	Technical Data	Flush-mounted Box Dimension
Socket					
16	CBA032A166S1020	AC208	1G BS unswitched socket outlet,13A	13A	35mm
21	CBA032A196S1020	AC209	1G BS single pole round pin switched socket outlet,15A	15A	35mm
19	CBA032A236S1020	AC210	1G BS round pin unswitched socket outlet,5A	5A	35mm
20	CBA032A246S1020	AC220	1G BS single pole round pin switched socket outlet,5A	5A	35mm
20	CBA032A266S1020	AC221	1G BS double pole round pin switched socket outlet,5A	5A	35mm
17	CBA032A176S1020	AC224	1G BS single pole switched socket outlet,13A	13A	35mm
18	CBA032A186S1020	AC229	1G BS single pole switched socket outlet with Neon,13A	13A	35mm
17	CBA032A276S1020	AC237	1G BS double pole switched socket outlet,13A	13A	35mm
18	CBA032A286S1020	AC238	1G BS double pole switched socket outlet with Neon,13A	13A	35mm
24	CBA032A071S1010	AC222	2G Euro-American switched socket outlet,10A	10A	35mm
27	CBA032A216S1020	AC227	2G BS single pole switched socket outlet,13A	13A	35mm
27	CBA032A226S1020	AC230	2G BS single pole switched socket outlet with Neon,13A	13A	35mm
22	CBA032A206S1020	AC231	1G BS single pole round pin switched socket outlet with Neon,15A	15A	35mm
25	CBA032A121S1010	AC234	2G Euro-American switched socket outlet with Neon,10A	10A	35mm
27	CBA032A296S1020	AC239	2G BS double pole switched socket outlet,13A	13A	35mm
27	CBA032A306S1020	AC240	2G BS double pole switched socket outletwith Neon,13A	13A	35mm
26	CBA032A352S1040	AC296	Schuko socket	16A	35mm
26	CBA032A362S1040	AC296-001	Schuko socket without child protection	16A	35mm
23	CBA032A081S1010	AC212	2G Euro-American unswitched socket outlet, 10A	10A	35mm

# Product overview

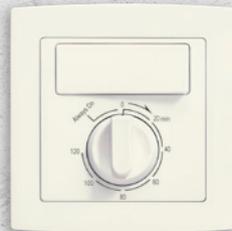
## Data outlets



See product picture	Order Code	Type	Description	Technical Data	Flush-mounted Box Dimension
<b>Data outlets</b>					
28	CBA033A070S1010	AC301	1G TV outlet,dead-end feeder	5-1000MHz	35mm
30	CBA033A180S1010	AC302	2G TV outlet	twin isolated,loop-through,isolated	35mm
29	CBA033A080S1010	AC303	1G Sat(F-type) outlet,isolated	5-1000MHz	35mm
28	CBA033A090S1010	AC304	1G TV outlet,loop-through,isolated	5-1000MHz	35mm
29	CBA033A240S1010	AC307	TV outlet connector	F-type	35mm
31	CBA033A100S1010	AC312	TV&FM outlet,F-type,dead-end-feeder,isolated	5-1000MHz	35mm
33	CBA033A040S1010	AC321	1G telephone outlet,RJ11,4-pole UTP	RJ11	35mm
32	CBA033A110S1010	AC324	2G TV&telephone outlet,UTP	RJ11 5-1000MHz	35mm
34	CBA033A050S1010	AC322	2G telephone outlet,RJ11,4-pole UTP	RJ11	35mm
37	CBA033A060S1010	AC323	2G outlet RJ11,4pole&RJ45 cat.5e,8-pole UTP	RJ45 cat.5e	35mm
36	CBA033A260S1010	AC329	2G computer outlet, RJ45,cat 6,8p UTP	RJ45 cat 6	35mm
37	CBA033A270S1010	AC330	2G telephone/computer outlet,cat.6	cat.6	35mm
35	CBA033A010S1010	AC331	1G computer outlet,RJ45 cat.5e,8-pole UTP	RJ45 cat.5e	35mm
35	CBA033A010S0001	AC331-H	1G computer outlet housing	RJ45 cat.5e/cat.6	35mm
36	CBA033A020S1010	AC332	2G computer outlet,RJ45,cat.5e UTP	RJ45 cat.5e	35mm
36	CBA033A020S0001	AC332-H	2G computer outlet housing	RJ45 cat.5e/cat.6	35mm
35	CBA033A030S1010	AC333	1G computer outlet,RJ45 cat.6,8-pole UTP	RJ45 cat.6	35mm
38	CBA033A130S1010	AC341	Audio outlet	2 terminals	35mm
39	CBA033A140S1010	AC342	Audio outlet	4 terminals	35mm

# Product overview

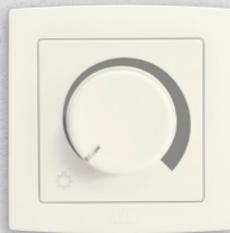
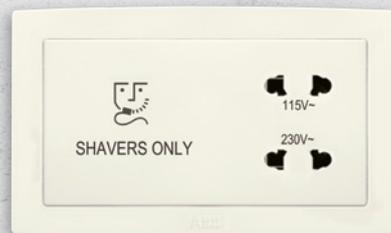
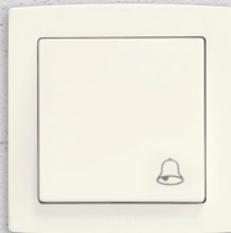
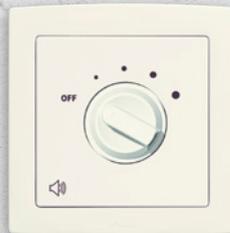
## Function control switches

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See product picture	Order Code	Type	Description	Technical Data	Flush-mounted Box Dimension
Function control switches					
40	CBA034A020S1010	AC402	Card switch,16A	16A	35mm
41	CBA034A041S1010	AC403	Push switch with Bell symbol,"DO NOT DISTURB"&"PLEASE WAIT"&"PLEASE CLEAN ROOM" marking and indicator,10A	10A	35mm
42	CBA034A141S1010	AC403-001	Push-switch with Bell symbol, "DO NOT DISTURB" marking and indicator,10A	10A	35mm
43	CBA034A151S1010	AC403-002	Push switch with Bell symbol, "DO NOT DISTURB"&"PLEASE CLEAN ROOM" marking and indicator,10A	10A	35mm
44	CBA034A031S1010	AC411	1G 1W countdown time switch,10AX	10AX	35mm
45	CBA034A110S1010	AC419	Emergency Switch,6A	6A	35mm
46	CBA034A320S1010	AC422	Speed rotary control	500VA	35mm

# Product overview

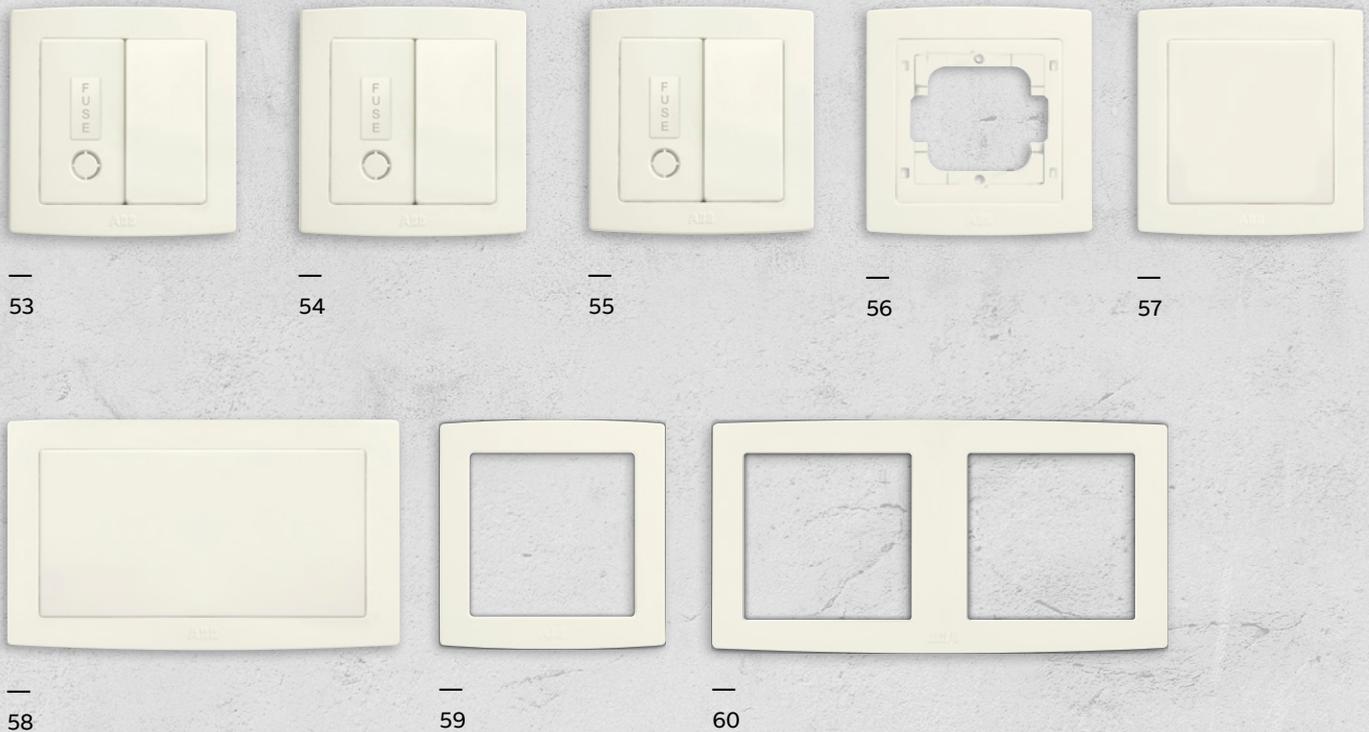
## Function control switches

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See product picture	Order Code	Type	Description	Technical Data	Flush-mounted Box Dimension
<b>Function control switches</b>					
49	CBA034A010S1010	AC401	Shaver socket outlet, Vertical	input: 230V~, 50Hz/60Hz output: 115V/230V~,20VA	47mm
50	CBA034A220S1010	AC401-001	Shaver socket outlet, Horizontal	input: 230V~, 50Hz/60Hz output: 115V/230V~,20VA	47mm
48	CBA034A050S1010	AC412	Rotary dimmer	25-600W	47mm
47	CBA034A060S1010	AC413	4 step rotary switch	300W	35mm
52	CBA034A090S1010	AC416	Volume Control, 5-15W	5-15W	35mm
51	CBA034A121S1010	AC429	Push switch with Bell symbol,10A	10A	35mm

# Product overview

## FCU & Flex outlets /Accessories



See product picture	Order Code	Type	Description	Technical Data	Flush-mounted Box Dimension
<b>FCU &amp; Flex outlets</b>					
53	CBA035A146S1020	AC506	Unswitched Fused connection unit,13A	13A	35mm
54	CBA035A156S1020	AC507	Switched Fused connection unit with Neon,13A	13A	35mm
55	CBA035A570S1020	AC577	Unswitched Fused connection unit with Neon,13A	13A	35mm
<b>Accessories</b>					
56	CBA035A030S1010	AC503	1G adapter plate for Busch-Jaeger	-	35mm
57	CBA035A040S1010	AC504	1G Blank plate	-	35mm
58	CBA035A130S1010	AC505	2G Blank plate	-	35mm
59	CBA035A110S1010	AC5101	1G frame concept BS	-	35mm
60	CBA035A120S1010	AC5201	2G frame Concept BS	-	35mm

# Product overview

## Accessories



61



62



63

See product picture	Order Code	Type	Description	Technical Data	Flush-mounted Box Dimension
<b>Accessories</b>					
61	CBA035A230S1010	AC5103	3G frame concept BS	-	35mm
62	CBA035A240S1010	AC5104	4G frame concept BS	-	35mm
63	CBA035A430S1010	AC5105	5G frame concept BS	-	35mm

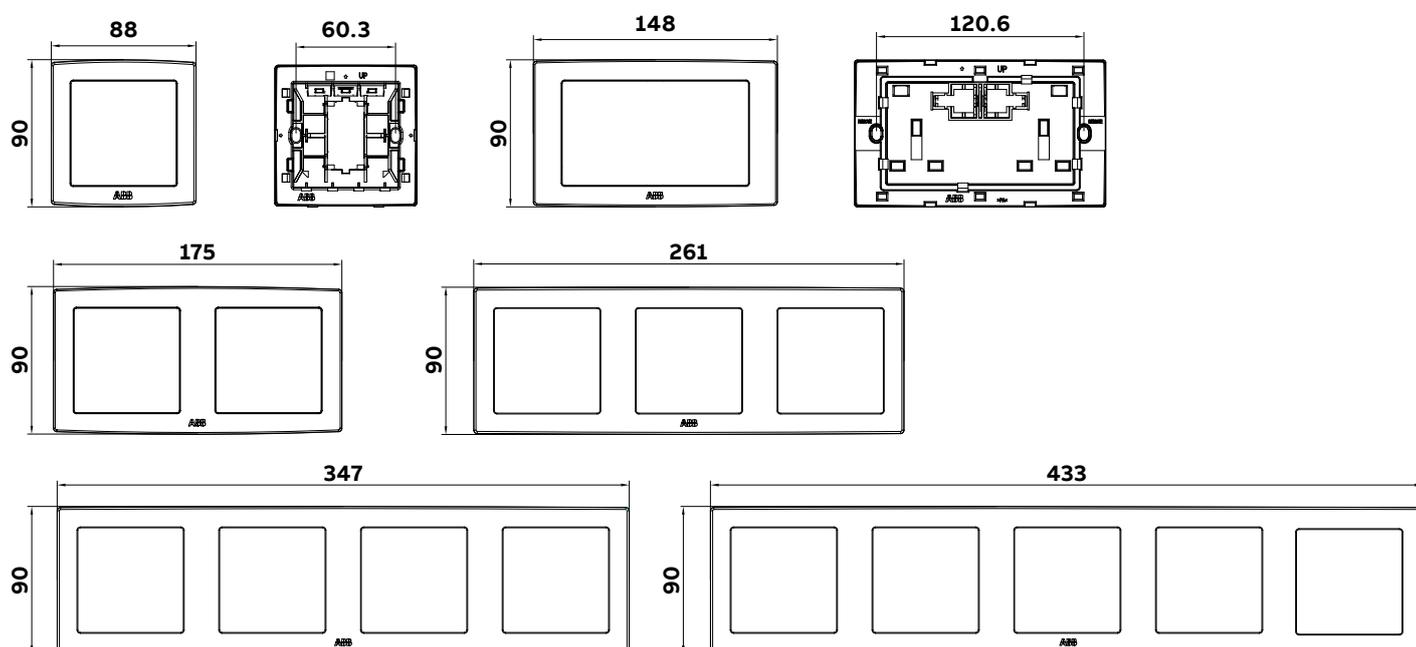
## Concept bs

### 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
Euro-American socket outlets	IEC 60884/BS 5733	Plugs and socket outlets for Household and Similar Purposes
Universal socket outlets	BS 5733/IEC 60884/IEC 61643-1	Plugs and socket outlets for Household and Similar Purposes
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 power transformers, power supply units and similar-Part 2-5: particular requirement for shaver transformers and shaver supply units
Electronic Switches	IEC 60669-2-1	Switches for household and similar fixed electrical installations-Part 2-1: Particular requirements-Electronic switches
Night light	IEC 60598-1/IEC 60598-2-1	Luminaires-Part2-1:Particular requirements-fixed general purpose Luminaires
Frames and plates	BS 5733 / MS 1144	Specification for general requirements for electrical accessories

## Concept bs

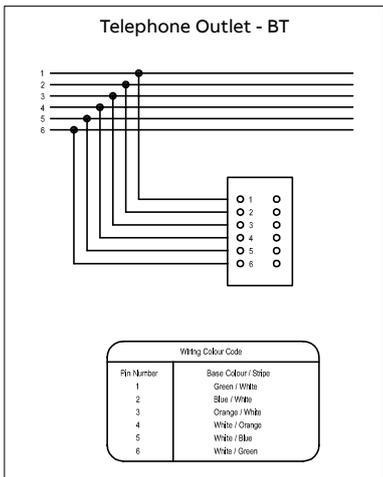
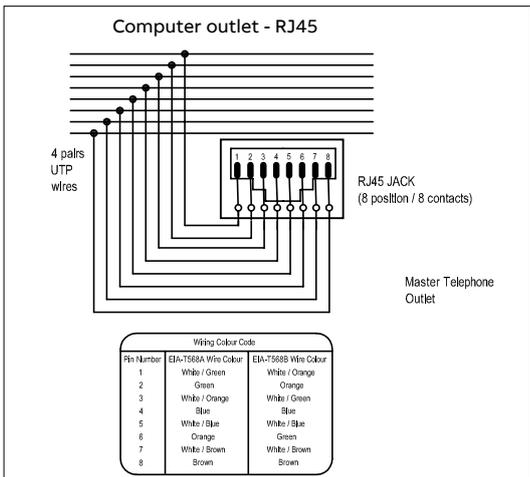
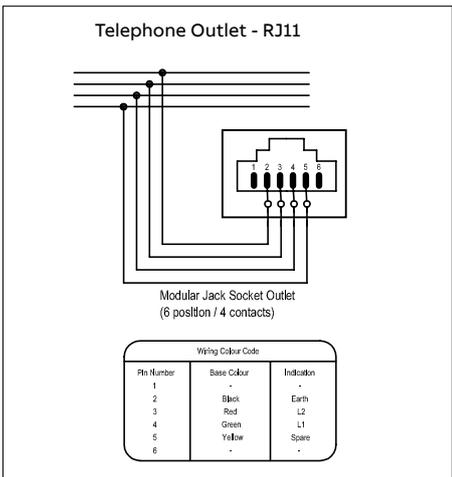
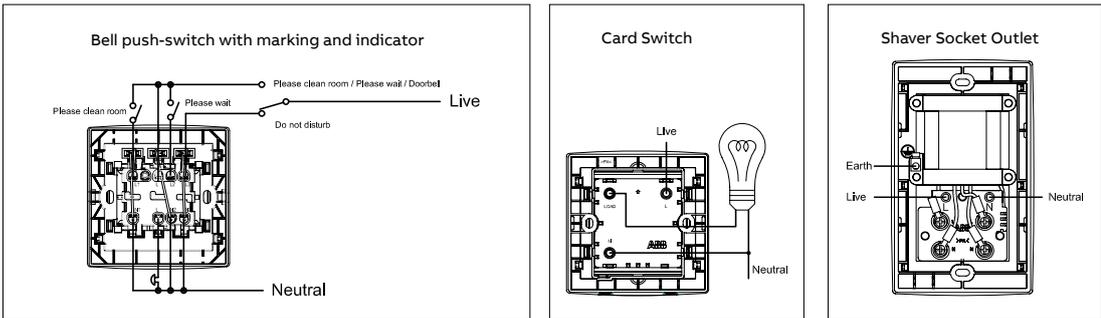
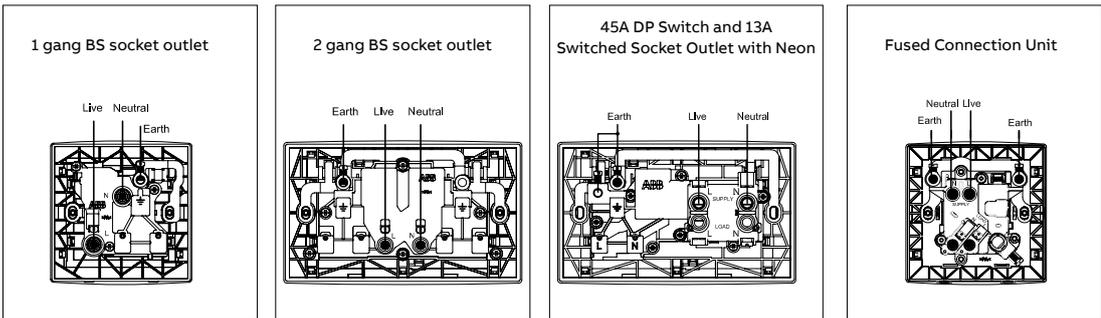
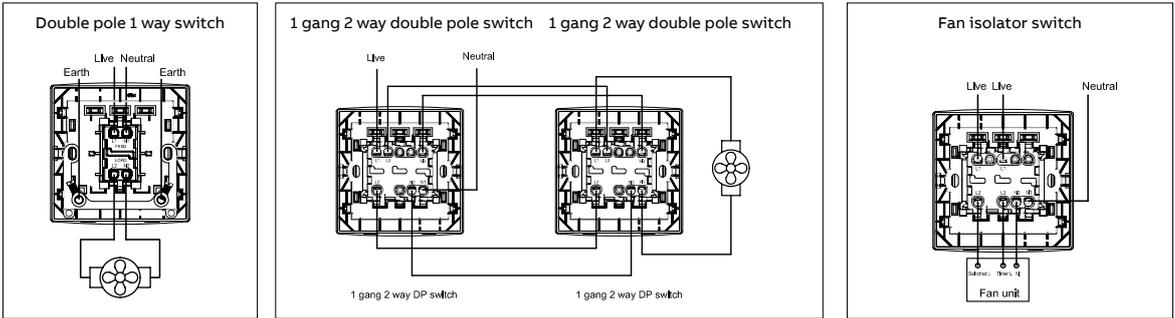
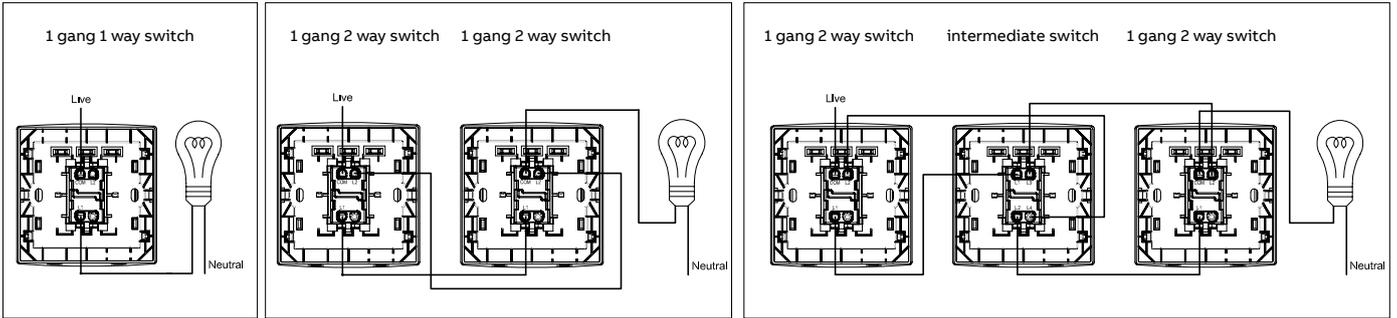
### Dimensions of Concept bs



Unit: mm

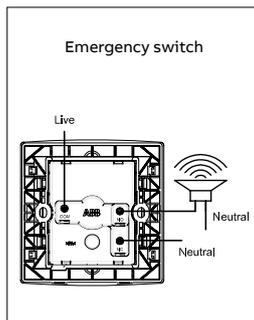
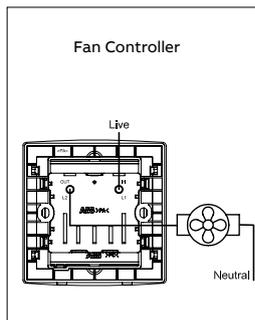
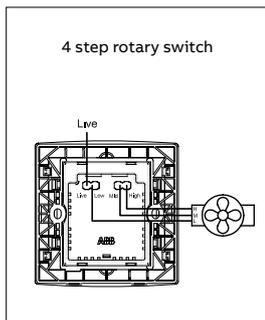
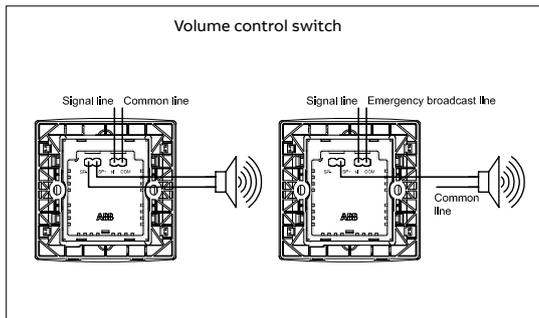
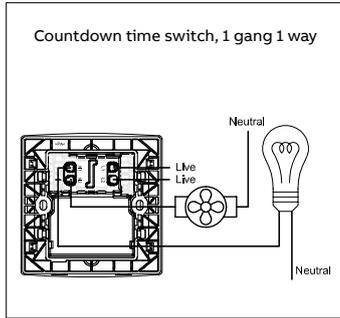
# Concept bs

## Circuit connection diagrams

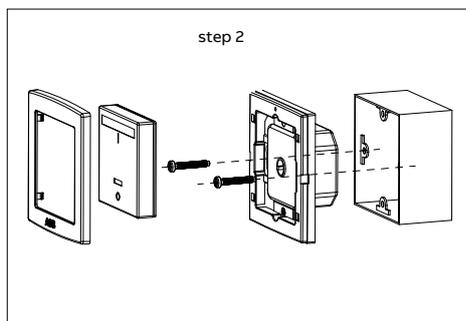
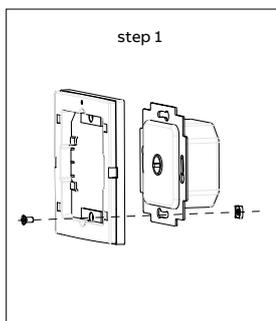


# Concept bs

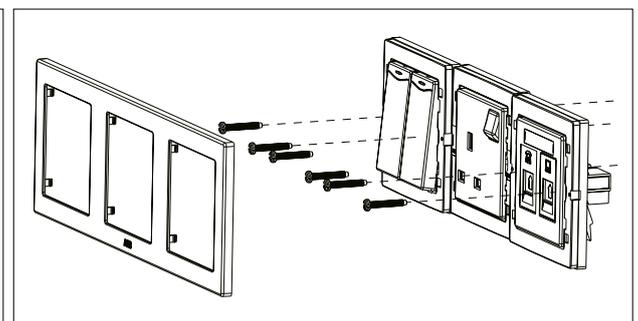
## Circuit connection diagrams



## The usage of AC503 (adapter plate)



## The usage of the multi-gang frame







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