Hager Dream wiring accessories

Live your dream









:hager

Milestones of Hager wiring accessories









1919

Berker Brothers began to manufacture the first batch of rotary switches in Schalksmühle. Every detail was as simple, elegant, and functional as all Berker's other subsequent models. 1948

Traditionally, water-proof switches are made of cast resin or ceramics. Therefore, Berker's molded plastics rotary switch is a real innovation. The threads of the rotary switch are pressed into the top of the gland cover and grease cavity seals are installed on the axle. This type of switches features optimal waterproof performance. Its basic design features remained unchanged for decades of years.

1966

Although it seems quite natural today, dating back to 1966, the launch of a switch equipped with a dismountable switch cover that can be backfilled after the completion of the painting engineering indicated a significant innovation and great progress in terms of convenience. Moreover, since the switch cover is easy to change, many of the 1966 rocker switches are still in good keep today and can still work normally.

1980

The combination of circle and square was one of our most successful products in the grim technical environment in the 1980s.

1996

'Twinpoint' design has interchangeable decorative rings, which provides all kinds of design possibilities



1928

Form + Function: When Bauhaus began to carry this concept forward, Berker Brothers have turned to the famous architect Louis Henri Sullivan's design concept. Functional and perfect design combined with reliable technology—Berker's switches already had all the elements that a product needs to become classic. These products later became classic indeed.



1957

The cover of this type of switch is as colorful as any of the modern works of art—That is why this colorful sample is called 'Chagall'.



1972

A big success, where modularization is used, the first type of stainless all-metal switch— Another real innovation.



1983

An expert to deal with difficult tasks:
'ISO-Panzer' has excellent waterproof and shockproof performances excellent waterproof and shockproof performances



1999

TS series can not only assist in creating special lighting effect, but can also combine KNX system for operating the complete smart home system.











2003

Full ranges included system 8000, 9000, 9088 metal ranges for Asia launched.

2008

The greatest feature of TS Crystal Ball is its glittering Swarovski crystal and sensitive optical reflection sensor, very charming.

2009

Touch of style as system 10088 equipped with large rocker and blue LED indication.

2016

Berker Q.7 not only highlights its form, functions, and craftsmanship, but also lifts architectural individuality and material application to a higher level.

2020

Hager Dream,
Hager Inspire,
Hager Muse with
best-in-class
aesthetics design,
quality and full
functions to answer
all needs.



2004

Intelligence is a kind of beauty. Undoubtedly, B.IQ looks very beautiful: The first type of smart and fashionable home control unit in the world indicates the arrival of the new era of comfort.



2007

Only by touching...
That is the artistic
state to start to control
a room. Technical
progress makes it
possible for us to
combine minimalism
with modern
technology and create
a new exchange mode.



2011

R.1 series explains its design of round angle of the excircle in its unique way. It has a soft framework outline and all kinds of functional versions. It is a good choice for all residential and decoration projects.



2013

stylea with slim and nice profile large rocker provided affordable option.



2018

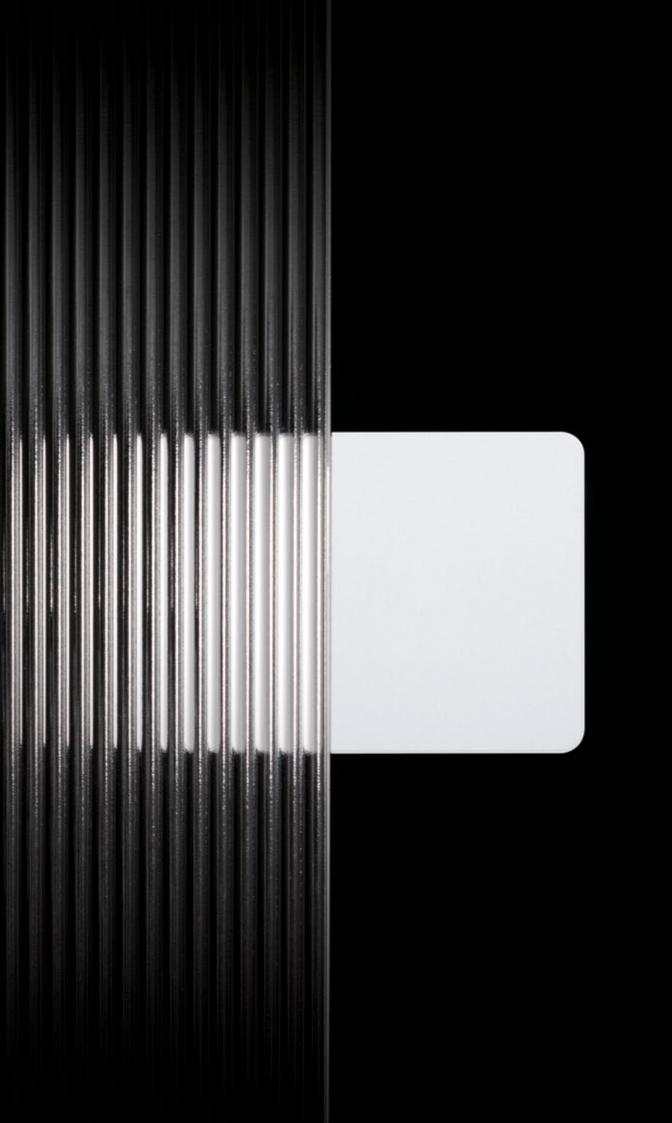
Dream series, designed by the European designer, Erwin van Handenhoven, a winner of many international awards, bring elegant life experience to customers.



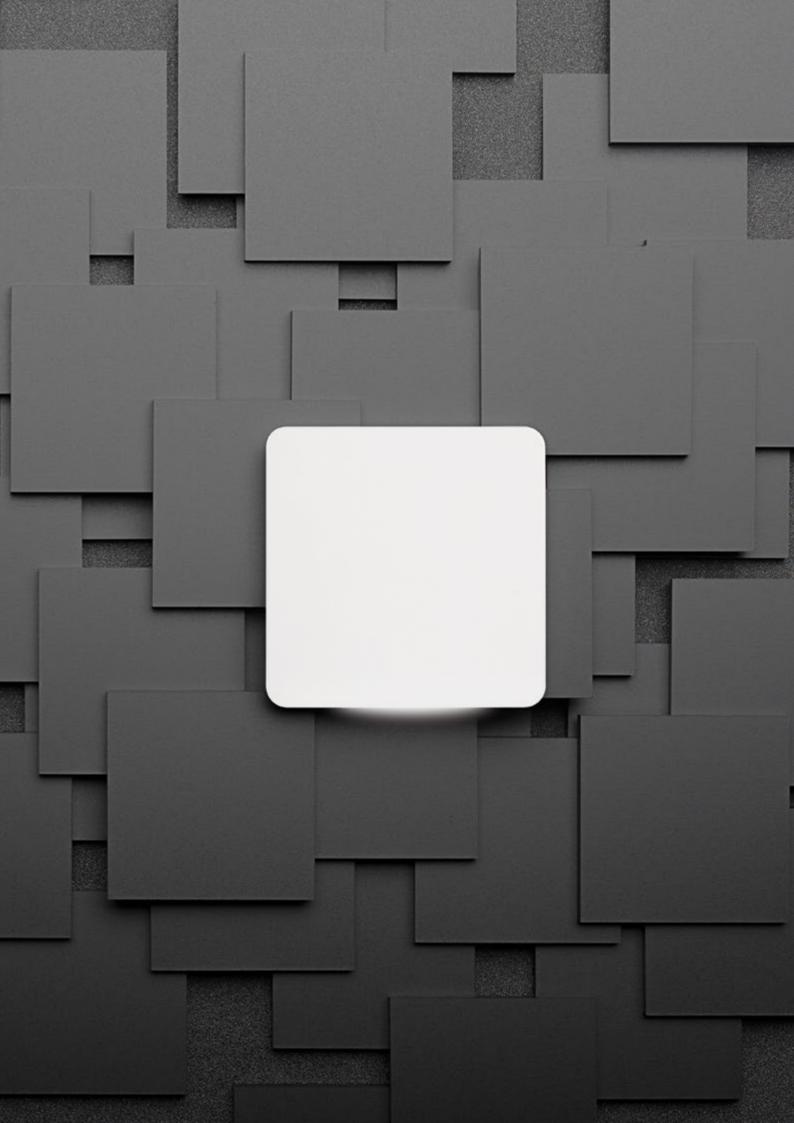
Dream with ambition

Frameless design

The ultra-slim, frameless design allows the switch to be integrated into the wall; the simple and large panel makes the contact easy, and each touch creates the most pleasant moment.



Hidden LED Soft and discrete LED light to locate the switch as soon as you enter the room. No need to feel your way in the dark. Guided by the LED light, experience the convenience and safety.



Multiple choices of color for your switch

Pursue uniqueness and elegance, white, elegant gold, interstellar grey, noble bronze and knight black, the color tone personifies the style and poise.



Multiple choices of color for the switch ring

Details are carefully deliberated in the design. Ultra-slim panel with changeable colored ring is trendy and stylish.



Expert tips



01

Frameless design

The ultrathin and frameless appearance design makes the switch integrate with the wall into an integral whole; the simple but huge rocker makes contact very easy, and each touch creates the most touching moment.



04

Noise reduction design

Noise reduction is designed for the large switch panel, which embodies the sound and hand feeling of the products imported from Europe. The design idea from multi-dimensions such as impression, light perception, sense of touch, and phonoreception makes the large rocker perfect.



07

Color-changeable switch ring

The switch rings of Dream series can change colors to match the interior decoration as you like, providing more possibilities for the overall design.



02

Hidden LED

Soft and distinguishable LED light, you can find where the switch is located as soon as you enter the room, and you don't need to navigate your way in the dark to get up at night. Guided by LED light, you will experience convenience and safety.



05

U type screwed terminals

Capacity of terminal can fit 3 x 4mm² flexible/ rigid wire. However, it is easy to wiring, high efficient for installation.



OS

IP55 waterproof box

The integrated production makes the waterproof and dustproof functions reach the high waterproof level of IP55. The design of a transparent large space box provides more space for the power cable to turn naturally, realizing real waterproof at power consumption.



03

Identification for power

Humanized delayed power off is designed, which save power in a smart way. The insert tag switch has LED indicator, which makes it easy for you to find the slot in the dark. After power on, the indicator will turn off automatically.



06

Beehive-like support

Beehive structure has the advantages of super-strong intensity and light weight. It is accurately used for the installing support of the product, which makes it more firm, durable, and not deformed over time.



09

Safety and stability

The international standard rated current of switch is 16AX, which ensures safer and more stable use of the switch.







10

Shutter

Having safety awareness all the time comes from the care for every family member. The socket panel is designed with child lock. Source isolating safety shutter is installed at the jacks to prevent children from putting their single finger in. It can completely block current.



11

Surge protection capability

The surge capability of electronic products can reach 2500V, it is 2.5 times higher than standard.



Monobloc rocker & frame design

Rocker and the frame can be taken out by one time only, easy for installation. This is a perfect alignment of rockers all the time.







13

USB charger

4.2A, 5V charger is suitable for all kinds of electronic devices (1 type C + 2 type A). No need for extra charger, can be easily charged via USB cable, it also can be used for charging 3 devices at the same time.

14

Certified by British Nemko

The shaver socket is certified by British Nemko. Grade II safety isolating transformer is used, which makes transformation safer and products more durable.



Dust-protection Cover

Dust-protection cover is supplied for each product. It can be used for protecting the dust during decorating, keeping the product clean.





17

Eco-packaging

We adhere to environmental philosophy all the time and won international iF design award for the packaging.



Designed by European master

Designed by Erwin van Handenhoven, who has won many international awards.



Ensuring communication quality

The network socket ensures communication quality. It is certified by UL lab and ensures high-quality communication.

Hager Dream series





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Hager Dream Wall switches



- Complies with IEC 60669-1 CB certificate
- 'AX' rated No need to derate for fluorescent loads
- Supplied with M3.5 x 37 $_{\mbox{\scriptsize mm}}$ long fixing screws
- Capacity of each terminal: $3 \times 1.5 \text{ mm}^2$ $2 \times 4.0 \text{ mm}^2$
- Two way switches can be wired either 1 way or 2 way
- Terminal markings denote:

L1 = one way L2 = two way C = common

- Material: Polycarbonate

		Description	Pack qty.	Cat. Ref. White	Cat. Ref. Interstellar Grey	Cat. Ref. Noble Bronze	Cat. Ref Knight Black	Cat. Ref Elegant Gold
		Large dolly switch 16AX, 1 gang 1 way	10	WGDL111	WGDL111IG	WGDL111NB	WGDL111KB	WGDL111EG
		16AX, 1 gang 2 way	10	WGDL112	WGDL112IG	WGDL112NB	WGDL112KB	WGDL112EG
WGDL111 WGDL112	WGDL121 WGDL122	16AX, 2 gang 1 way	10	WGDL121	WGDL121IG	WGDL121NB	WGDL121KB	WGDL121EG
WGDL112	WGDL122	16AX, 2 gang 2 way	10	WGDL122	WGDL122IG	WGDL122NB	WGDL122KB	WGDL122EG
		16AX, 3 gang 1 way	10	WGDL131	WGDL131IG	WGDL131NB	WGDL131KB	WGDL131EG
		16AX, 3 gang 2 way	10	WGDL132	WGDL132IG	WGDL132NB	WGDL132KB	WGDL132EG
WODI 101	WOD! 141	16AX, 4 gang 1 way	10	WGDL141	WGDL141IG	WGDL141NB	WGDL141KB	WGDL141EG
WGDL131 WGDL132	WGDL141 WGDL142	16AX, 4 gang 2 way	10	WGDL142	WGDL142IG	WGDL142NB	WGDL142KB	WGDL142EG
WGDL111N WGDL112N	WGDL121N WGDL122N	Large dolly switch with LE 16AX, 1 gang 1 way 16AX, 1 gang 2 way 16AX, 2 gang 1 way 16AX, 2 gang 2 way 16AX, 3 gang 1 way 16AX, 3 gang 2 way	10 10 10 10 10 10 10 10 10	WGDL112N WGDL121N WGDL122N WGDL131N	WGDL112NIG WGDL121NIG WGDL122NIG WGDL131NIG	WGDL112NNB WGDL121NNB WGDL122NNB WGDL131NNB	WGDL111NKB WGDL112NKB WGDL121NKB WGDL122NKB WGDL131NKB	WGDL112NEG WGDL121NEG WGDL122NEG WGDL131NEG
WGDL131N WGDL132N		Large dolly switch 10AX, 1 gang, intermediate 10A, 1 gang, bell switch	10				WGDL113KB WGDL111BKB	
WGDL113	WGDL111B	mark Bell symbol						
DOT		10A, 1 gang, press switch mark "EXIT"	10	WGDL111E	WGDL111EIG	WGDL111ENB	WGDL111EKB	WGDL111EEG



WGDL111E



	Description		Cat. Ref. White	Cat. Ref. Interstellar Grey	Cat. Ref. Noble Bronze	Cat. Ref Knight Black	Cat. Ref Elegant Gold
	Press switch 10A, 1 gang		WGDL111P	WGDL111PIG	WGDL111PNB	WGDL111PKB	WGDL111PEG
	10A, 2 gang	10	WGDL121P	WGDL121PIG	WGDL121PNB	WGDL121PKB	WGDL121PEG
WGDL111P WGDL121P WGDL111NP WGDL121NP WGDL121NP-12V	10A, 3 gang	10	WGDL131P	WGDL131PIG	WGDL131PNB	WGDL131PKB	WGDL131PEG
	Press switch	with	220V LED				
	10A, 1 gang			WGDL111NPIG	WGDL111NPNB	WGDL111NPKB	WGDL111NPEG
	10A, 2 gang	10	WGDL121NP	WGDL121NPIG	WGDL121NPNB	WGDL121NPKB	WGDL121NPEG
WGDL131P WGDL131NP WGDL131NP-12V	10A, 3 gang	10	WGDL131NP	WGDL131NPIG	WGDL131NPNB	WGDL131NPKB	WGDL131NPEG
	Press switch 10A, 1 gang			WGDL111NP-12VIG	WGDL111NP-12VNB	WGDL111NP-12VKB	WGDL111NP-12VEG
	10A, 2 gang	10	WGDL121NP-12V	WGDL121NP-12VIG	WGDL121NP-12VNB	WGDL121NP-12VKB	WGDL121NP-12VEG
	10A, 3 gang	10	WGDL131NP-12V	WGDL131NP-12VIG	WGDL131NP-12VNB	WGDL131NP-12VKB	WGDL131NP-12VEG
Hager Dream Dimmer and fan cor	ntroller sv	wito	ches				
- Complies with IEC 60669-2-1	 Supplied w long fixing 	ith M3 screw	3.5 x 37 mm s	- Material: Poly	carbonate		
	- Capacity of 3 x 1.5 mm ²	each	terminal:				
	Description	Pack qty.	Cat. Ref. White	Cat. Ref. Interstellar Grey	Cat. Ref. Noble Bronze	Cat. Ref Knigt Black	Cat. Ref Elegant Gold
	Dimmer 40-500W single, 2 way	6	WGDEDR500	WGDEDR500IG	WGDEDR500NB	WGDEDR500KB	WGDEDR500EG



WGDEFR250 WGDEFR250IG WGDEFR250NB WGDEFR250KB WGDEFR250EG

WGDEFR250

WGDEDR500

Fan control

250VA, single 6



- Material: Polycarbonate

 Complies with
IEC 60669-1
CB certificate

- Supplied with M3.5 x 37 mm long fixing screws

Capacity of each terminal:20AX

L, N, E: 2 x 4 mm²

32A, 45A

L, N: 2.5 mm² ~ 16 mm² Ex2: 2.5 mm² ~ 16 mm²

			E X 2 . 2.3 mm-~ 10 mm-								
		Description		Cat. Ref. White	Cat. Ref. Interstellar Grey	Cat. Ref. Noble Bronze	Cat. Ref Knight Black	Cat. Ref Elegant Gold			
		DP switch 20AX 1 gang	j 8	WGDL2D1	WGDL2D1IG	WGDL2D1NB	WGDL2D1KB	WGDL2D1EG			
		20AX 2 gang	8	WGDL2D2	WGDL2D2IG	WGDL2D2NB	WGDL2D2KB	WGDL2D2EG			
WGDL2D1	WGDL2D2	Remark: Gre	y refe	rence product	- coming soon						
		DP switch wi) WGDL2D1N	WGDL2D1NIG	WGDL2D1NNB	WGDL2D1NKB	WGDL2D1NEG			

		DP switch with LE 20AX 1 gang 8	D WGDL2D1N	WGDL2D1NIG	WGDL2D1NNB	WGDL2D1NKB	WGDL2D1NEG
_	_ _	20AX 2 gang 8	WGDL2D2N	WGDL2D2NIG	WGDL2D2NNB	WGDL2D2NKB	WGDL2D2NEG
WGDL2D1N WGDL2D12N	WGDL2D2N	20AX 1 gang 8 2 way	WGDL2D12N	WGDL2D12NIG	WGDL2D12NNB	WGDL2D12NKB	WGDL2D12NEG

Special marks	Abbreviation	Special marks	Abbreviation	Special marks	Abbreviation
"AIR CONDITONER"	AC	"HOB"	HB	"WASHER"	WS
"DISH WASHER"	DW	"HOOD"	HD	"WASHING MACHINE"	' WM
"DRYER"	DR	"MICROWAVE"	MW	"WATER HEATER"	WH
"FRIDGE"	FR	"OVEN"	OV		

Example: "WATER HEATER" WH

20AX 1 gang WGDL2D1WH WGDL2D1IGWH WGDL2D1NBWH WGDL2D1KBWH WGDL2D1EGWH

		Control sw	itch wi	ith LED				
		32A DP	8	WGDR32D1	WGDR32D1IG	WGDR32D1NB	WGDR32D1KB	WGDR32D1EG
		45A DP	8	WGDR45D1	WGDR45D1IG	WGDR45D1NB	WGDR45D1KB	WGDR45D1EG
100.	404.							
WGDR32D1	WGDR45D1							



- Material: polycarbonate



- 25A Connection units BS 5733 IEC 60998-1 IEC 60998-2-1
- Fused connection units complies with BS 1363-4
- Supplied with M3.5 x 37 $\ensuremath{\mathsf{mm}}$ long fixing screws
- Capacity of each terminal:

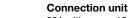
25A L, N, E: 4 x 2.5 mm² or 2 x 4 mm² or 1 x 6 mm^2

13A FCU

L, N: 3 x 4.0 mm²

E: 2 x 4.0 mm²

Description	Pack Cat. Ref. qty. White	Cat. Ref. Interstellar Grey	Cat. Ref. Noble Bronze	Cat. Ref Knight Black	Cat. Ref Elegant Gold



flex outlet

flex outlet

w/ LED

25A with

WGDR25IG

WGDR25NB

WGDR13NNB

WGDR25KB

WGDR25EG





WGDR13





WGDR13S



Fused connection unit

13A fused 10 WGDR13 WGDR13IG WGDR13NB w/ flex outlet

WGDR13N WGDR13NIG 13A fused 10 w/ LED +

WGDR25

flex outlet 13A switched 10 WGDR13S fused w/

13A switched 10 fused w/ flex outlet

WGDR13SIG

WGDR13SNB

WGDR13SKB

WGDR13KB

WGDR13NKB

WGDR13SEG

WGDR13EG

WGDR13NEG

WGDR13SN WGDR13SNIG WGDR13SNNB WGDR13SNKB WGDR13SNEG

Remark: Grey reference product - coming soon



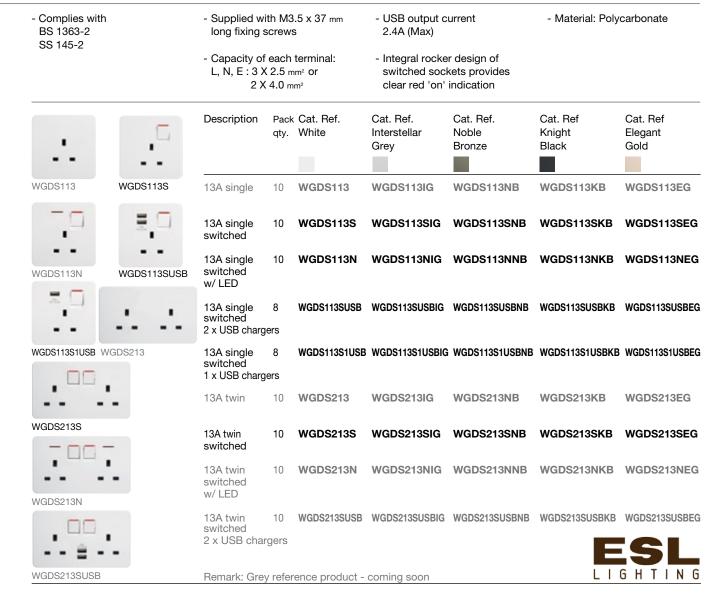


- Complies with SS 472 (5A socket) BS 546 (5A socket) IEC 60884-1(10A socket)
- Supplied with M3.5 x 37 mm long fixing screws
- Capacity of each terminal: L, N, E: 3 X 2.5 mm² or 2 X 4.0 mm²
- Integral rocker design of switched sockets provides clear red 'on' indication
- Material: Polycarbonate

		Description	Pack qty.	Cat. Ref. White	Cat. Ref. Interstellar Grey	Cat. Ref. Noble Bronze	Cat. Ref Knight Black	Cat. Ref Elegant Gold
• □		Socket outle 5A round pin switched	t 8	WGDS105S	WGDS105SIG	WGDS105SNB	WGDS105SKB	WGDS105SEG
WGDS105S	WGDS110US	10A 2 pin switched universal	10	WGDS110US	WGDS110USIG	WGDS110USNB	WGDS110USKB	WGDS110USEG
4 >		10A 2 pin + 2 pin universal	10	WGDS210U	WGDS210UIG	WGDS210UNB	WGDS210UKB	WGDS210UEG
WGDS210U		Remark: Grey	refere	ence product -	coming soon			

Hager Dream

13A socket outlets







- Complies with BS 546 (15A socket) SS 472 (15A socket)

IEC 60884-1 (German socket) (Euro-American socket)

- Supplied with M3.5 x 37 mm long fixing screws
- Capacity of each terminal: L, N, E: $3 \times 2.5 \text{ mm}^2$ or

Description

round pin switched

- USB output current 2.4A (Max)
- Material: Polycarbonate

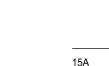
2 X 4.0 mm²

Pack Cat. Ref.

WGDS115S

qty. White

- Integral rocker design of switched sockets provides clear red 'on' indication



Cat. Ref. Interstellar Grey

WGDS115SIG

Cat. Ref. Noble Bronze

WGDS115SNB

Cat. Ref Knight Black

WGDS115SKB

Cat. Ref Elegant Gold

WGDS115SEG



WGDS115S



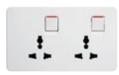
WGDS116EA



WGDS216EA WGDS116IS



WGDS116ISUSB



WGDS216IS

16A German socket w/ shutter	8	WGDS116S	WGDS116SIG	WGDS116SNB	WGDS116SKB	WGDS116SEG
16A single Euro-America	8 ın	WGDS116EA	WGDS116EAIG	WGDS116EANB	WGDS116EAKB	WGDS116EAEG
16A twin Euro-America	8 ın	WGDS216EA	WGDS216EAIG	WGDS216EANB	WGDS216EAKB	WGDS216EAEG
16A single switched universal	10	WGDS116IS	WGDS116ISIG	WGDS116ISNB	WGDS116ISKB	WGDS116ISEG
16A single switched universal 2 x USB charge	8 ers	WGDS116ISUSB	WGDS116ISUSBIG	WGDS116ISUSBNB	WGDS116ISUSBKB	WGDS116ISUSBEG
16A twin switched universal	10	WGDS216IS	WGDS216ISIG	WGDS216ISNB	WGDS216ISKB	WGDS216ISEG





- Supplied with M3.5 x 37 $_{\mbox{\scriptsize mm}}$ long fixing screws

- Material: Polycarbonate

		Description		Cat. Ref. White	Cat. Ref. Interstellar Grey	Cat. Ref. Noble Bronze	Cat. Ref Knight Black	Cat. Ref Elegant Gold
2	= =	RJ11 outlet 1 mod	10	WGDT1RJ	WGDT1RJIG	WGDT1RJNB	WGDT1RJKB	WGDT1RJEG
		2 mod	10	WGDT2RJ	WGDT2RJIG	WGDT2RJNB	WGDT2RJKB	WGDT2RJEG
VGDT1RJ	WGDT2RJ	D 145 aat6 a	.41.4					
		RJ45 cat6 or 1 mod	10	WGDT1RJ6	WGDT1RJ6IG	WGDT1RJ6NB	WGDT1RJ6KB	WGDT1RJ6EG
		1 mod without symbol	10	WGDT1RJ6NM	WGDT1RJ6NMIG	WGDT1RJ6NMNB	WGDT1RJ6NMKB	WGDT1RJ6NME
/GDT1RJ6	WGDT1RJ6NM	2 mod	10	WGDT2RJ6	WGDT2RJ6IG	WGDT2RJ6NB	WGDT2RJ6KB	WGDT2RJ6EG
åå		2 mod without symbol	10	WGDT2RJ6NM	WGDT2RJ6NMIG	WGDT2RJ6NMNB	WGDT2RJ6NMKB	WGDT2RJ6NME0
VGDT2RJ6	WGDT2RJ6NM							
		RJ45 cat5e			WORTARIEIO	WODTAD ISNID	WODTAD ISKD	WODT4D ISEO
	<u> </u>	1 mod	10	WGDT1RJ5	WGDT1RJ5IG	WGDT1RJ5NB	WGDT1RJ5KB	WGDT1RJ5EG
		2 mod	10	WGDT2RJ5	WGDT2RJ5IG	WGDT2RJ5NB	WGDT2RJ5KB	WGDT2RJ5E0
/GDT1RJ5	WGDT2RJ5							
8 8	₩ E	RJ11 + RJ45 2 mod	cat5 10	e outlet WGDT2RJRJ5	WGDT2RJRJ5IG	WGDT2RJRJ5NB	WGDT2RJRJ5KB	WGDT2RJRJ5E0
VGDT2RJRJ5	WGDT2TVRJ5	RJ11 + RJ45 2 mod	10		WGDT2RJRJ6IG	WGDT2RJRJ6NB	WGDT2RJRJ6KB	WGDT2RJRJ6E0
/GDT2RJRJ6	11001211100	Plate for RJ		•				
		1 mod	20	WGDT1RJ6LP	WGDT1RJ6LPIG	WGDT1RJ6LPNB	WGDT1RJ6LPKB	WGDT1RJ6LPE
		1 mod without symbo	20 ol	WGDT1RJ6LPNM	WGDT1RJ6LPNMIG	WGDT1RJ6LPNMNB	WGDT1RJ6LPNMKB	WGDT1RJ6LPNMI
VGDT1RJ6LP	WGDT1RJ6LPNM	2 mod	20	WGDT2RJ6LP	WGDT2RJ6LPIG	WGDT2RJ6LPNB	WGDT2RJ6LPKB	WGDT2RJ6LPE
å å	0.0	2 mod without symbo	20 ol	WGDT2RJ6LPNM	WGDT2RJ6LPNMIG	WGDT2RJ6LPNMNB	WGDT2RJ6LPNMKB	WGDT2RJ6LPNME
VGDT2RJ6LP	WGDT2RJ6LPNM	TV inlet/outl 2 mod			WGDT2TVRJ5IG	WGDT2TVRJ5NB	WGDT2TVRJ5KB	WGDT2TVRJ5E0
•	o 🗆	TV inlet/outl 1 mod		WGDT1TV	WGDT1TVIG	WGDT1TVNB	WGDT1TVKB	WGDT1TVEG
/GDT1TV	WGDT2TVRJ6	TV inlet/outl 2 mod		RJ45 cat6 (DAT WGDT2TVRJ6	Ο,	WGDT2TVRJ6NB	WGDT2TVRJ6KB	WGDT2TVRJ6E
9	0 7	TV outlet, F		WGDT1TVF	WGDT1TVFIG	WGDT1TVFNB	WGDT1TVFKB	WGDT1TVFEG
VGDT1TVF	WGDT2TVFRJ6	TV outlet, F		+ RJ45 Cat6 (D WGDT2TVFRJ6	•	WGDT2TVFRJ6NB	WGDT2TVFRJ6KB	WGDT2TVFRJ6E
VGDTTVF	WGDIZIVFNJO	SMATV Outl SAT+TV+FM		WGDTSMATV	WGDTSMATVIG	WGDTSMATVNB	WGDTSMATVKB	WGDTSMATVEG

LIGHTING

WGDTSMATV



 Complies with
IEC 60669-1
IEC 60669-2-1
IEC 62368-1 (USB)

- Supplied with M3.5 x 37 mm long fixing screws

- Material: Polycarbonate

		Description		Cat. Ref. White	Cat. Ref. Interstellar Grey	Cat. Ref. Noble Bronze	Cat. Ref Knight Black	Cat. Ref Elegant Gold
b &	ه ط	16AX DND & MUR with LED (Indoor)	8	WGDHDC	WGDHDCIG	WGDHDCNB	WGDHDCKB	WGDHDCEG
WGDHDC	WGDHBD	4A DND & MUR indicate w/ bell switch		WGDHBD	WGDHBDIG	WGDHBDNB	WGDHBDKB	WGDHBDEG
		16A key tag - mechanical	6	WGDHKTM	WGDHKTMIG	WGDHKTMNB	WGDHKTMKB	WGDHKTMEG
WGDHKTM WGDHKTRFID		16A key tag - RFID	6	WGDHKTRFID	WGDHKTRFIDIG	WGDHKTRFIDNB	WGDHKTRFIDKB	WGDHKTRFIDEG
-	•	HDMI+VGA	10	WGDHHIVA	WGDHHIVAIG	WGDHHIVANB	WGDHHIVAKB	WGDHHIVAEG
WGDHHIVA	WGDHRCASV	RCA+S-Vide	o 10	WGDHRCASV	WGDHRCASVIG	WGDHRCASVNB	WGDHRCASVKB	WGDHRCASVEG
- Control of the Cont	• =	USB charger USB charger 4.2A (1 x type 6 + (2 x type A)	8	WGDS3USB	WGDS3USBIG	WGDS3USBNB	WGDS3USBKB	WGDS3USBEG
WGDS3USB	WGDHUSB35	USB + 3.5mi	n aud 10		WGDHUSB35IG	WGDHUSB35NB	WGDHUSB35KB	WGDHUSB35EG
•	-0	Emergency	switcl 8	n WGDEE1	WGDEE1IG	WGDEE1NB	WGDEE1KB	WGDEE1EG
WGDEE1	WGDEA6	Audio switcl 6W	1 6	WGDEA6	WGDEA6IG	WGDEA6NB	WGDEA6KB	WGDEA6EG
		Sleeping ligh	nt (0.2 8	5w) WGDHSL	WGDHSLIG	WGDHSLNB	WGDHSLKB	WGDHSLEG
WGDHSL	BARRIOUV	Shaver sock 115/230V	et 1	WGDHSR	WGDHSRIG	WGDHSRNB	WGDHSRKB	WGDHSREG
	WGDHSR							





	Description		Cat. Ref. White	Cat. Ref. Interstellar Grey	Cat. Ref. Noble Bronze	Cat. Ref Knight Black	Cat. Ref Elegant Gold
WGDCH2	Multi-gang f 2 gang horizontal	rame 18	WGDCH2	WGDCH2IG	WGDCH2NB	WGDCH2KB	WGDCH2EG
	3 gang horizontal	12	WGDCH3	WGDCH3IG	WGDCH3NB	WGDCH3КВ	WGDCH3EG
WGDCH3	4 gang horizontal	12	WGDCH4	WGDCH4IG	WGDCH4NB	WGDCH4KB	WGDCH4EG
WGDCH4	5 gang horizontal	9	WGDCH5	WGDCH5IG	WGDCH5NB	WGDCH5KB	WGDCH5EG
WGDCH5							
	Blank plate 1 gang	20	WGDBP1	WGDBP1IG	WGDBP1NB	WGDBP1KB	WGDBP1EG
WGDBP1							
	WA covers (IP55 single size	Transp 40	parent) XC9003				
	IP55 twin size	40	XC9004				



XC9003

XC9004



Compliance with standards

Regulation 511-01-01 of BS 7671: Requirements for Electrical Installations, IEE Wiring Regulations Sixteenth Edition is of particular importance to specifiers and installers with respect to product standards.

Regulation 511-01-01 requires every item of equipment to comply with the relevant requirements of the applicable British Standard, or Harmonised Standard appropriate to the intended use of the equipment.

British Standards (BS)

The BSI (British Standards Institution) was the first national standards body in the world. There are now more than 100 similar organisations which belong to the International Organisation for Standardisation (ISO) and the International Electrotechnical Commission (IEC).

British Standards are drawn up by all those who have a particular interest in the subject i.e. manufacturers, users, research organisations, government departments and consumers. This work is co-ordinated by BSI staff, acting as secretaries to the committees where the work is done. All standards are made available for public comment before they are published.

Harmonised standards

A Harmonised standard is a European standard formally presented by CENELEC, to the European Commission and published in the commission's official journal. CENELEC is the Comite European de Normalisation Electrotechnique i.e. European Committee for Electrotechnical Standardisation.

BS 7671 part 2 defines a harmonised standard as a standard which has been drawn up by common agreement between national standards bodies notified to the European Commission by all member states and published under national procedures. The UK national standards body is the British Standards Institution. In the UK a harmonised standard will normally be published as a British Standard European Norm i.e. BS EN.

British Standard European Norm (BS EN)

CENELEC European standards are pre-fixed EN (European Norm). Adoption of the European Standard within the EC is mandatory and member countries of CENELEC are obliged to publish them unchanged. In the UK such standards are further endorsed with the additional prefix 'BS', for example BS EN 60669-1: 1996 is the British Standard European Norm for Switches for household and similar fixed electrical installations.

Whilst a European Standard can be a direct replica of an IEC standard, discussions within CENELEC may result in the formulation of a standard which includes commonly agreed variations and Special National Conditions.

International Electrotechnical Commission (IEC)

Founded in 1906 the International Electrotechnical Commission (IEC) is the world organisation that prepares and publishes international standards for all electrical, electronic and related technologies. The membership consists of 60 participating countries, including all the worlds major trading nations and a growing number of industrialising countries.

Foreign national standards based on IEC standards are permitted to be used by BS 7671. However the specifier must verify that any differences between the foreign standard and the corresponding British Standard or Harmonised Standard does not result in any lesser degree of safety than that afforded by compliance with the British Standard. This assessment would probably need to be made by specialists.

Conclusion

BS 7671 (IEE Wiring Regulations) recognises equipment which complies with a British Standard or Harmonised Standard appropriate to the intended use of the equipment without the need for further qualification.

Hager products have always been designed and manufactured to a high standard to ensure compliance with the current British or Harmonised Standard. See the table below for further information.



Product description	BS / IEC number	Description
Switches	BS EN 60669-1 IEC 60669-1 CB certificate	Switches for household and similar fixed electrical installations
Indicators	BS 5733	General requirements for Electrical Accessories
Fused connection unit, cord outlets	BS 5733	Switches for household and similar fixed electrical installations with particular requirements for timedelay switches (TDS)
Dimmers	BS EN 60669-2-3	Switches for household and similar fixed electrical installations with particular requirements for timedelay switches (TDS)
Frames and plates	BS 5733	Switches for household and similar fixed electrical installations with particular requirements for timedelay switches (TDS)
10 /16 Amp Wall switch	BS EN 60669-1 IEC 60669-1 CB certificate	Switches for household and similar fixed electrical installations
Dimmer switches	BS EN 60669-2-1 IEC 60669-2-1	Electronic variable control switches (dimmer switches) for tungsten filament lighting
13 Amp Socket Outlets	BS 1363- 2 SS145-2	13A plugs, socket-outlets, adaptors and connection units
15 Amp Switched Socket	BS 546 SS472 MS1577	Specification. Two-pole and earthing-pin plugs, socket-outlets and socket-outlet adaptors
20 Amp D.P. Switches	BS EN 60669-1 IEC 60669-1 CB certificate	Switches for household and similar fixed electrical installations
13 Amp Fused Connection Unit	BS 1363-4	Specification for 13A fused connection units switched and unswitched
45 Amp D.P. Switches	BS EN 60669-1 IEC 60669-1 CB certificate	Switches for household and similar fixed electrical installations
45 Amp Cooker Control Unit	BS 4177	Cooker control units
Shaver Socket Outlet	BS EN 61558-2-5	General Requirements Isolating transformers and safety isolating transformers
	IEC 61558-2-5	Electromagnetic compatibility, immunity requirements for household CB certificate appliances tools and similar apparatus.
25 Amp/ Amp Flex Outlet Plate	BS 5733	General Requirements for Electrical Accessories
BS Batten	BS EN 61184 IEC 61184 BS EN 60238 IEC 60238	Home office shield are T2 rated
Ceiling rose	BS 67	



Objective of CE marking.

CE marking is a "technical passport" which indicates that a product conforms to all relevant directives which require CE marking, thus enabling the product to travel within the E.U.

A directive is a piece of mandatory European Legislation implemented by regulations in all member countries. Its purpose is to allow free movement of goods that are safe and fit for use into and within the European Union.

CE marking is not a quality mark and it does not indicate that any testing or certification has been carried out.

The marking.

CE marking is a statement by the manufacturer that the product complies with the essential requirements of all relevant Directives, notably in the area of technical safety and conformity assessment.

CE marking can appear on the product or packaging or documentation or combination thereof dependant upon which directive it has to comply with.

CE marking is a very specific graphical symbol and must be clearly separated from other marks.



Directives.

It is the responsibility of the manufacturer or his authorised representative who places the product onto the EC market to decide which Directive(s) apply and to ensure the CE marking is affixed by the dates stated in the relevant directive(s)

For the majority of Hager products only one directive is applicable this is referred to as the Low Voltage Directive. Where some products incorporate electronic devices the Low voltage Directive and the Electromagnetic Compatibility Directive are applicable.

The low voltage directive.

EC directives are requirements adopted by the European Council and published in the official journal of the European Communities and are addressed to the member states.

European Council Directive 73/23/EEC with an amendment 93/68/ EEC is known as the Low Voltage Directive.

The low voltage directive has been implemented into UK law by the "Electrical Equipment (Safety) Regulations 1994" and apply to all electrical / electronic equipment operating at a voltage of 50-1000 V a.c. or 75-1500 V d.c.. They do not apply to plugs, socket outlets and adapters which are covered by the Plugs and Sockets (Safety) Regulations 1994.

Relationship between the Electrical Equipment (Safety)
Regulations, Harmonised standards and the IEE Wiring
Regulations Sixteenth Edition.

The Electrical Equipment (Safety) Regulations requires electrical equipment to be safe. Electrical equipment which satisfies the safety provisions of Harmonised standards shall be taken to comply with this requirement, unless there are reasonable grounds for suspecting that the equipment does not so comply.

Regulation 511-01-01 of BS 7671 Requirements for Electrical Installations, IEE Wiring Regulations Sixteenth Edition requires every item of equipment to comply with the relevant requirements of the applicable British Standard, or Harmonised Standard appropriate to the intended use of the equipment.



The Ingress Protection (IP) for all low voltage enclosures up to 1000 V a.c. and 1500 V d.c. is defined in identical fashion by the standards EN 605 29 - IEC 529 it comprises the letters IP followed by two character numerals:

The first character numeral indicated the degree of protection provided by the enclosure with respect to persons, also to the equipment inside the enclosure.

The second character numeral indicated the degree of protection provided by the enclosure with respect to harmful ingress of water; a third character may be used to indicate mechanical strength. An x signifies that no test has been carried out.

The first character numeral:

protection against solid substances

IP	Description	
0		Non-protected
1	[/]	Protected against solid objects greater than 50mm
2	[<u>/</u>]-	Protected against solid objects greater than 12.5mm
3	[3]	Protected against solid objects greater than 2.5mm
4	[]	Protected against solid objects greater than 1.0mm
5	F	Dust-protected
6	F	Dust-tight

The second character numeral:

protection against liquid substances

IP	Description	
0		Non-protected
1	3	Protected against dripping water
2	3	Protected against dripping water when tilted up to 15°
3	7	Protected against spraying water
4	3	Protected against splashing water
5	• [] •	Protected against water jets
6	* * * *	Protected against heavy seas
7	15 cm	Protected against the effect of immersion
8	<i>y</i>	Protected against submersion

Additional letter (in option)

Protection of people against access to dangerous parts

	Description
А	Protected against access of the back of the hand
В	Protected against access of a finger
С	Protected against access of a tool - ø 2.5mm
D	Protected against access of a tool - ø 1mm

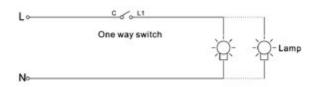
Additional letter (in option)

Specific information on the product

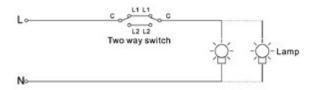
	Description
Н	High voltage material
М	Movements during water test
S	Stationary during water test
W	Bad weather

:hager

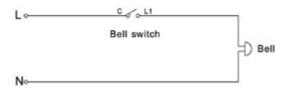
One way switch



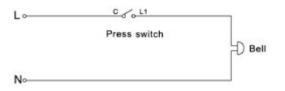
Two way switch



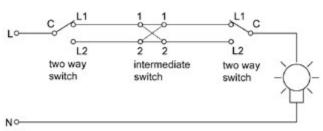
Marked BELL switch



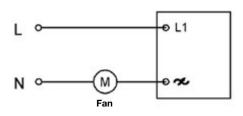
Marked PRESS switch



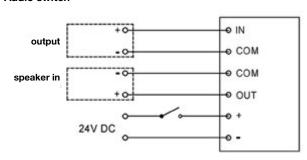
Intermediate switch



Fan control

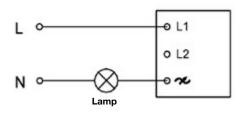


Audio switch

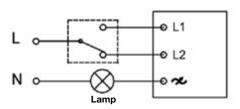


Dimmer switch

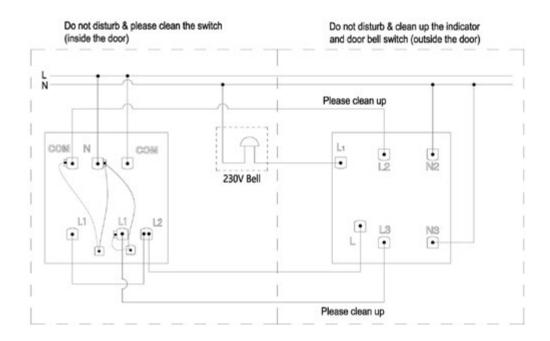
1. One way connection



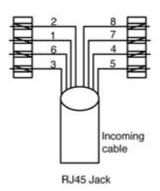
2. Two way connection



Do not disturb and please clean the switch (inside the door) / Do not disturb and please clear the instructions and the doorbell switch (outside the door)

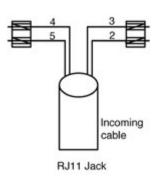


RJ45 Computer module cable diagram EIA/TIA 568B



RJ45 Jack pin. EIA/TIA 568B EIA/TIA 568A 1 White/Orange White/Green 2 Orange Green 3 White/Green White/Orange 4 Blue Blue 5 White/Blue White/Blue 6 Green Orange White/Brown 7 White/Brown 8 Brown Brown

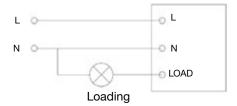
RJ11 Telephone plug-in module cable diagram



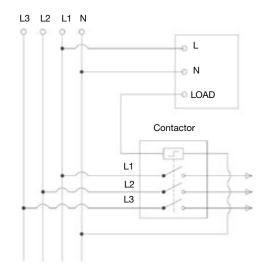
RJ11 Jack pin.

- 2 Blue/White
- 3 White/Blue
- 4 White/Red
- 5 Red/White

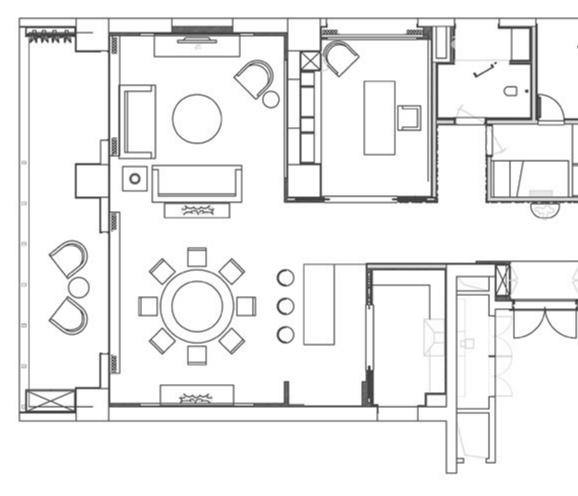
Key card Direct load



Key cardConnected load through contactor



Residential application

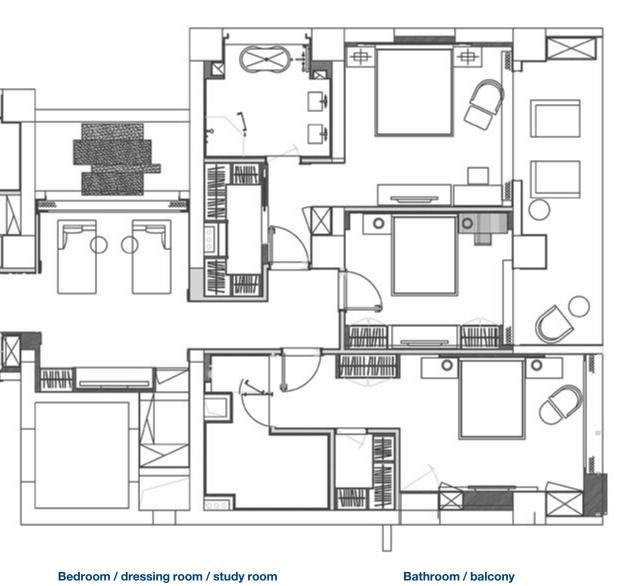


Home garden / dining room

Product catalog	QTY
200W Infrared sensor switch fire control	1
13A single switched socket	2
13A twin socket	2
13A single switched socket + 2 x USB chargers	1
16AX 1 gang 1 way switch	1
16AX 2 gang 2 way switch	1
16AX 2 gang 1 way switch	1
RJ11 outlet, 1 mod	1
RJ45 cat6 outlet	1
TV outlet, 1 mod	1
2 gang horizontal frame	2
5 gang horizontal frame	1

Restaurant / kitchen

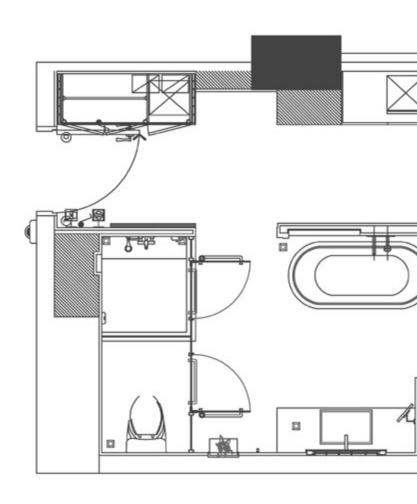
Product catalog	QTY
13A single switched socket	8
13A twin socket	2
13A single switched socket + 2 x USB chargers	1
16AX 2 gang 2 way switch	1
16AX 2 gang 1 way switch	1
TV outlet, 1 mod	1
3 gang horizontal frame	2



Sleeping light

Product catalog	QTY	Product catalog	QTY
10AX 1 gang intermediate	2	16AX 2 gang 1 way switch	1
13A twin socket	2	13A single switched socket	2
13A single switched socket + 2 x USB chargers	1	Blank plate	4
16AX 2 gang 1 way switch	1	WA cover (IP55)	2
RJ11 outlet, 1 mod	1		
RJ45 cat6 outlet	1		
TV outlet, 1 mod	1		

Hotel application

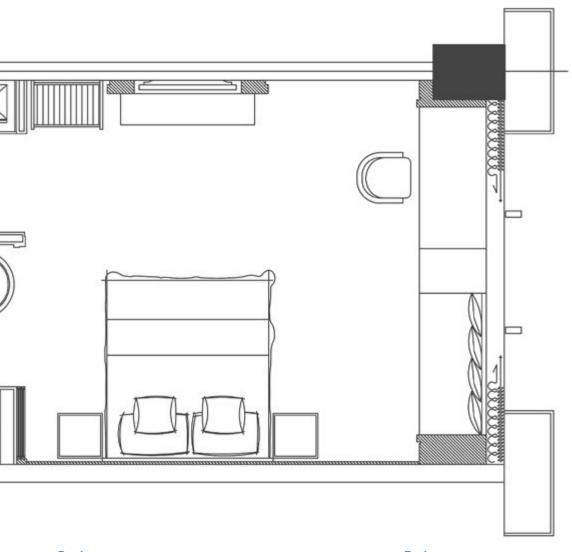


Entrance / Bar counter

Product catalog 4A DND & MUR indicator w/ bell switch 16A key tag RFID 16AX 1 gang 1 way LED switch 16AX 2 gang 2 way LED switch 13A single switched socket

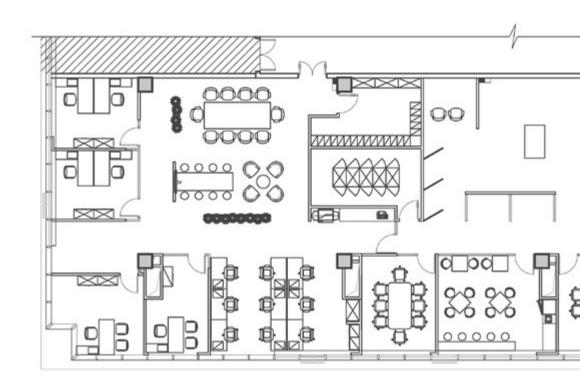
Bed

QTY	Product catalog	QTY
1	16AX 2 gang 1 way w/ LED switch	1
1	13A single switched socket, 2 x USB chargers	1
1	13A single socket	2
1	40-500W 2 way dimmer	2
3	RJ11 outlet, 1 mod	1
	RJ45 ca5e outlet	1
	Sleeping light	1



Desk		Bathroom	
Product catalog	QTY	Product catalog	QTY
16AX 2 gang 1 way w/ LED switch	1	16AX 2 gang 1 way w/ LED switch	2
HDMI+VGA	1	Shaver socket	1
13A single switched socket + 2 x USB chargers	1	Sleeping light	1
13A single socket	2	SOS emergency switch	1
RJ11 outlet, 1 mod	1	6W Audio switch	1
RJ45 cat6 outlet	1	13A single switched socket	3
		RJ11 outlet, 1 mod	1
		WA cover (IP55)	4

Office application

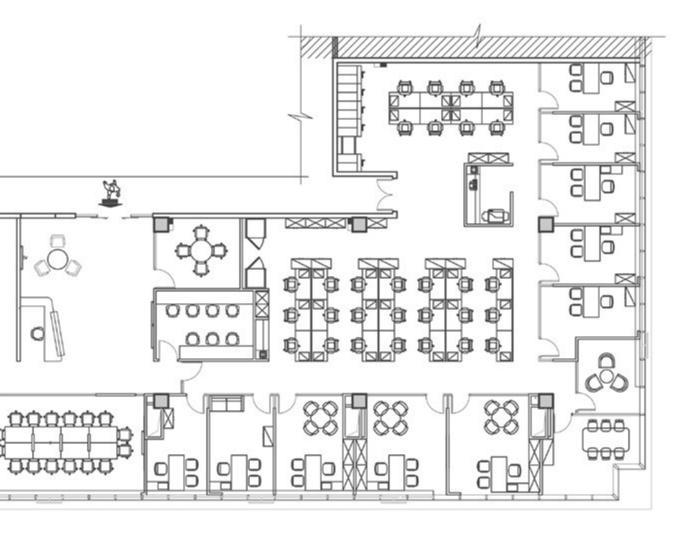


Single office

Product catalog
16AX 1 gang 1 way switch
16AX 2 gang 2 way switch
13A single switched socket
13A single switched socket + 2 x USB chargers
RJ45 cat6 outlet
HDMI+VGA
6A Audio switch
2 gang horizontal frame
3 gang horizontal frame

Open area office

Product catalog	QTY
16AX 1 gang 1 way switch	6
16AX 3 gang 1 way switch	10
16AX 4 gang 1 way switch	8
13A single switched socket	100
RJ11+RJ45 ca5e outlet	50
6A Audio switch	8
2 gang horizontal frame	6
3 gang horizontal frame	54



Meeting room

Product catalog QTY 16AX 1 gang 1 way switch 2 16AX 2 gang 1 way switch 4 16AX 3 gang 1 way switch 4 13A single switched socket 20 RJ11 outlet 2 RJ45 ca6 outlet 12 HDMI+VGA 1 3 gang horizontal frame 6 4 gang horizontal frame 54

Public area:

reception/ corridor/ pantry/ washroom		
Product catalog	QT	
Sleeping light	12	
13A single switched socket	12	
200W Infrared sensor switch fire control	16	
WA cover (IP55)	4	

Success cases

The courage to try to innovate in architectural design; the design of excellence always brings together a lot of ideas; the pursuit of the ultimate detail and the admiration of superior quality. Today, whether in Munich, Berlin and Hamburg, or in Bolzano, Madrid and Seoul, these ideas can be traced in any building in the world. It is no coincidence that Hager switches and systems can be found in all of these places.

Africa

Crystal Cove Hotel, Hurghada, Egypt Somabay, Hurghada, Egypt Hotel Princess, Eilat, Israel Sea Park hotel, Netanya, Israel Mövenpick Resort & Spa Tala Bay, Agaba, Jordan Park Inn by Radisson Nairobi Westlands, Nairobi, Kenya Radisson Blu Nairobi Upper Hill, Nairobi, Kenya Hotel Carlton, Antananarivo, Madagascar La maison des oliviers Hôtel, Marrakech, Morocco Serena - Polana Mar hotel, Maputo, Mozambique Grand Plaza Hotel, Nampula, Mozambique Pemba Express Hotel, Pemba, Mozambique Transcorp Hilton Hotel, Abuja, Nigeria Sheraton Abuja Hotel, Abuja, Nigeria Sheraton Lagos Hotel, Ikeja Lagos, Nigeria Sheraton Hotel, Lagos, Nigeria POD Camps Bay Hotel, Cape Town, South Africa

China

Parrot Hotel, Arusha, Tanzania

Sofitel Shenyang Lido, Shenyang

Sleep in hotel, Dar es Salaam, Tanzania

New World Beijing Hotel, Beijing
Fairmont Beijing, Beijing
Marriott Nanjing South Hotel, Nanjing
Grand Hyatt, Hangzhou
Park Hyatt Ningbo Resort & Spa, Ningbo
The Peninsula, Shanghai
Le Royal Meridien Hotel, Shanghai
Swissôtel Grand Shanghai, Shanghai
Mandarin Oriental Pudong, Shanghai
Sofitel Shanghai Sheshan Oriental, Shanghai
JW Marriott, Hangzhou
Four Points by Sheraton Bijie, Guizhou
Kempinski Hotel, Yinchuan

Hyatt Place Shenzhen Airport, Shenzhen The Ritz-Carlton, Shenzhen InterContinental, Shenzhen Swissôtel, Foshan

New World Wuhan Hotel Wuhan

Mandarin Oriental Hotel Guangzhou

Shangri-La's Sanya Resort & Spa, Hainan

Hong Kong & Macau

Island Shangri-La, Hong Kong Penta Hotel Hotel ICON

Sheraton Hotel Tung Chung

Royal Plaza Hotel
Ritz Cariton Hotel

Best Western Hotel (Causeway bay & Tsim Sha Tsui)

Harbour Grand Hong Kong Hyatt Regency Hotel Harbourview Horizon Hotel Royal View Hotel Grand Lisboa Macau Studio City Macau

Singapore

Galaxy Macau

Grand Hyatt Hotel Goodwood Park Park Regis

Ramada & Days Hotel Singapore at Zhongshan Park Hotel Fort Canning

Indonesia

Westin Hotel, Jakarta
Courtyard by Marriott, Bali
Fairfield by Marriott Sunset Road, Bali
The Ritz-Carlton, Bali Resort & Spa, Bali

Vietnam

Novotel Nha Trang Sealink Phan Thiet Sheraton Da Nang Radison Blu Cam Ranh Movenpick Cam Ranh Melia Cam Ranh Hanoi Hotel

India

Taj Palace, Mumbai Hyatt Place, Hyderabad Ritz Carlton Pune, Pune

Lemon Tree, 3 hotels (Udaipur, Dehradun, Kolkata)

Fairfield Marriott Kolkata, Kolkata

Malaysia

Genting Hotel, Genting Highlands
JW Marriott Hotel, Kuala Lumpur
WEIL Hotel Ipoh, Perak
Alila Bangsar Kuala Lumpur, Kuala Lumpur
Hilton Garden Inn Puchong, Selangor
Alwaqf Hotel, Kelantan
Kimberley Hotel, Penang
Iconic Hotel, Penang

VE Hotel & Residence, Bangsar South, Kuala Lumpur

Europe

Hotel Sacher, Vienna Hotel Lux Alpinae, St. Anton am Arlberg Hotel Schloss Elmau, Elmau Vigilius Mountain Resort, Lana Hotel Puerta l'America, Madrid Llovd Hotel, Amsterdam Zentrum für Virtuelles Engineering ZVE, Stuttgart Herzogin Anna Amalia Bibliothek, Weimar minimum bulthaup, Berlin Privathaus, Berlin Hyatt Regency, Istanbul Sisli Marriott, Istanbul Sheraton Ateşehir, Istanbul Swissôtel, Istanbul Le Meridien, Istanbul Hilton, Izmir

Other Countries

Crowne Plaza, Istanbul

Sedona Hotel, Mandalay, Myanmyar Four Seasons Hotel, Seychelles Makati Shangri-La Hotel, Manila





Hager Dream











Hager Silhouette



Australia 2016



Berker R.1











Berker R. Classic













hagerblu visage







Berker B.IQ













Hager golf





Hager witty





Hager Design turns technical products into familiar friends.



International designer Erwin van Handenhoven has been working with Hager since 2000 and his designs have repeatedly won international design awards. Erwin became the Product Design Director of Hager Group in 2013, focusing on shaping the future of Hager products and brands, making Hager design an international vane.

Before we start designing a new product, we think about the people it is going to serve. Will it assist or entertain, observe or protect, save time or save energy? Ideally, whatever it does, users will feel it is a reliable "friend". We need to know how to connect with people on an emotional level, to ensure that in return they feel connected to our products.

Design links exquisite emotions to great usability and quality. How to illustrate this better then through this new Hager range? I designed it with special care to become a real trendsetter for good taste. We know that the Asian continent is constantly raising its design sensibility and quality expectations. It is exciting to create in this particular context where tradition and change operate together. This new design range will upgrade the standard of living in a clearly visible way. Hope you enjoy it as much as I do.



Erwin van Handenhoven

Hager Group Design Director