

# Yachts



19



## CONTENTS

### PASSION THAT CONNECTS.

JUNG – progress as tradition	04
Precision “Made in Germany”	06

### DESIGN THAT SIMPLY CONVINCES.

Design classic LS 990	08
Modern classic LS ZERO	10
The LS 990 shows its colours	12
LS 1912 – new interpretation of a rocker switch	14
LS 990 – the modular system	16
A creation – set accents	18
A creation – the modular system	20
Multimedia terminals – for the best connections	22
Proven in applications worldwide	24

### COMFORT, EVERYWHERE LIKE AT HOME.

KNX system – the worldwide standard	26
Experience KNX with JUNG	28
KNX Sensors F 40	30
KNX Sensors F 50	32
KNX push-button and rotary sensor	34



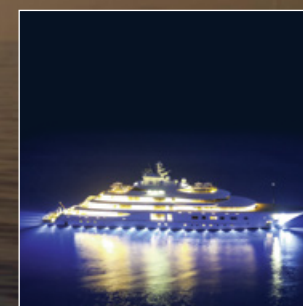
04  
JUNG – progress as tradition



10  
Modern classic LS ZERO



14  
LS 1912 – new interpretation  
of a rocker switch



26  
KNX system –  
the worldwide standard

Unique engineering performance and the greatest precision, the know-how of experienced specialists from various trades, passion for that particular something and passion for the sea – significant factors to create something exclusive such as a yacht. A yacht that causes excitement and means freedom and offers comfort in all its facets. JUNG has been a reliable partner in yacht building for decades. Precision work “Made in Germany”, highest quality and extraordinary material competence join with sophisticated technology – and all of that worldwide.





Ernst Paris

Company founder Albrecht Jung

## JUNG – progress as tradition

As a pioneer of his time, in 1912 Albrecht Jung created the basis of the JUNG success story with the founding of the company and the development of his 45° rotation pull switch. The original incentive remains the driving force for all products to this day: JUNG develops and produces timelessly designed products and future-oriented solutions with pioneering spirit. As a premium supplier of modern building technology, switches, sockets, dimmers, observers and smart control systems can be found in the portfolio of our traditional, medium-sized company.

Convenient regulation of lighting, temperature, sun protection and shading systems and music in every room, timeless switch design, intelligent security systems or the smart control of the whole technology using touch screen and mobile devices – JUNG stands for a skilful interplay of design demands and innovation strength.

### WE ARE JUNG:

**1912** Medium-sized third generation family-owned company



“Made in Germany” for more than 100 years



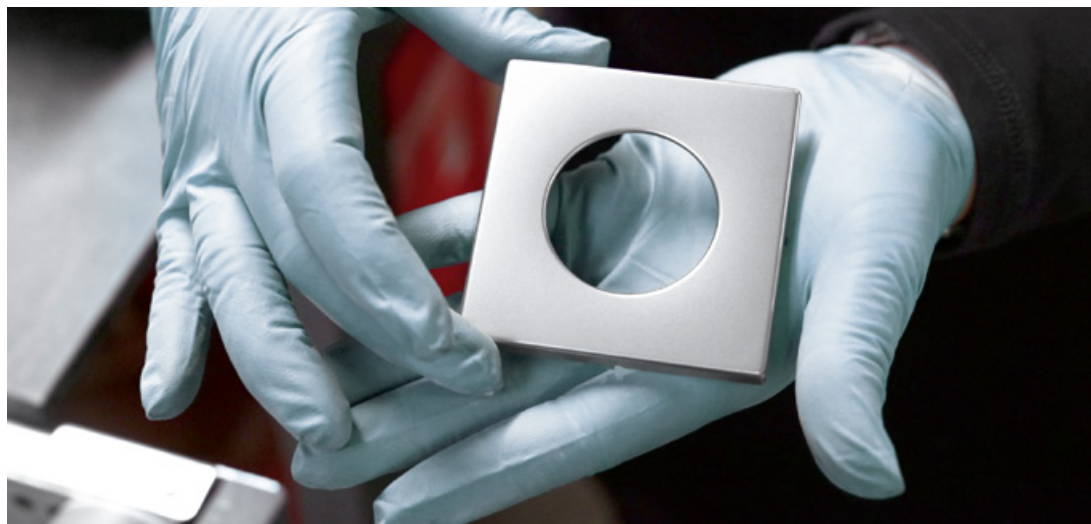
About 1,200 employees



17 subsidiaries and over 67 agencies worldwide



## Precision “Made in Germany”



For decades, JUNG has shown particular know how in metal processing. The switch designs, including the LS 990 design classic and the new LS 1912 rocker switch, are made in genuine metal.



Matt finished or painted aluminium, stainless steel blasted with glass beads, brushed brass, metal with chrome finish or almost 24 carat gold plating – switches are made on a daily basis at JUNG, processed to the last detail and in some cases even finished by hand. They are produced at the two locations in Schalksmühle and Lünen. As a result, JUNG received the certifi-

cate “Made in Germany” from TÜV Nord in 2011. With deep roots in the region and a constant employer for many decades, customers throughout the world rely on the continuing high quality. At the same time, JUNG is aware of its particular responsibility for sustainable and energy-efficient production.



COMPACT ROOM CONTROLLER F 50



PUSH-BUTTON SENSOR F 40 IN STAINLESS STEEL



Simply press: large buttons for controlling cabin technology

COMPACT ROOM CONTROLLER IN STAINLESS STEEL



Well combined: indicator in the graphical display, operation by pressing a button

ROTARY SENSOR IN STAINLESS STEEL



Works like a standard rotary dimmer, but can do much more

BCU PUSH-BUTTONS IN STAINLESS STEEL



Looks like a normal switch, but controls smart KNX functions

## LS 990 Design classic

The LS 990 is the classic among flat switches: Introduced to the market as early as 1968 by JUNG, 50 years later it still enjoys great popularity thanks to its timeless elegance.

Founder Albrecht Jung's guiding idea of "progress as tradition", followed to this day, was the drive for JUNG to develop a flat switch. Inspired by the philosophy of the Bauhaus style, which demands an uncomplicated design oriented on the practical value and relies on elementary, clear forms, the LS 990 reduces the design to the absolute essentials. At the same time,

it harks back to a basic geometric shape: the classic square. For this switch range, JUNG keeps numerous colour and material variants available. With them, over 200 functions are possible – from multimedia terminals and a door intercom system to international socket systems. The 1- to 5-gang frames can be used horizontally and vertically.

## LS ZERO modern classic

The LS ZERO is the contemporary interpretation of the LS 990 JUNG classic. The purist switch design picks up the design of the iconic flat switch with its narrow frame. The special point: the LS ZERO is installed flush.

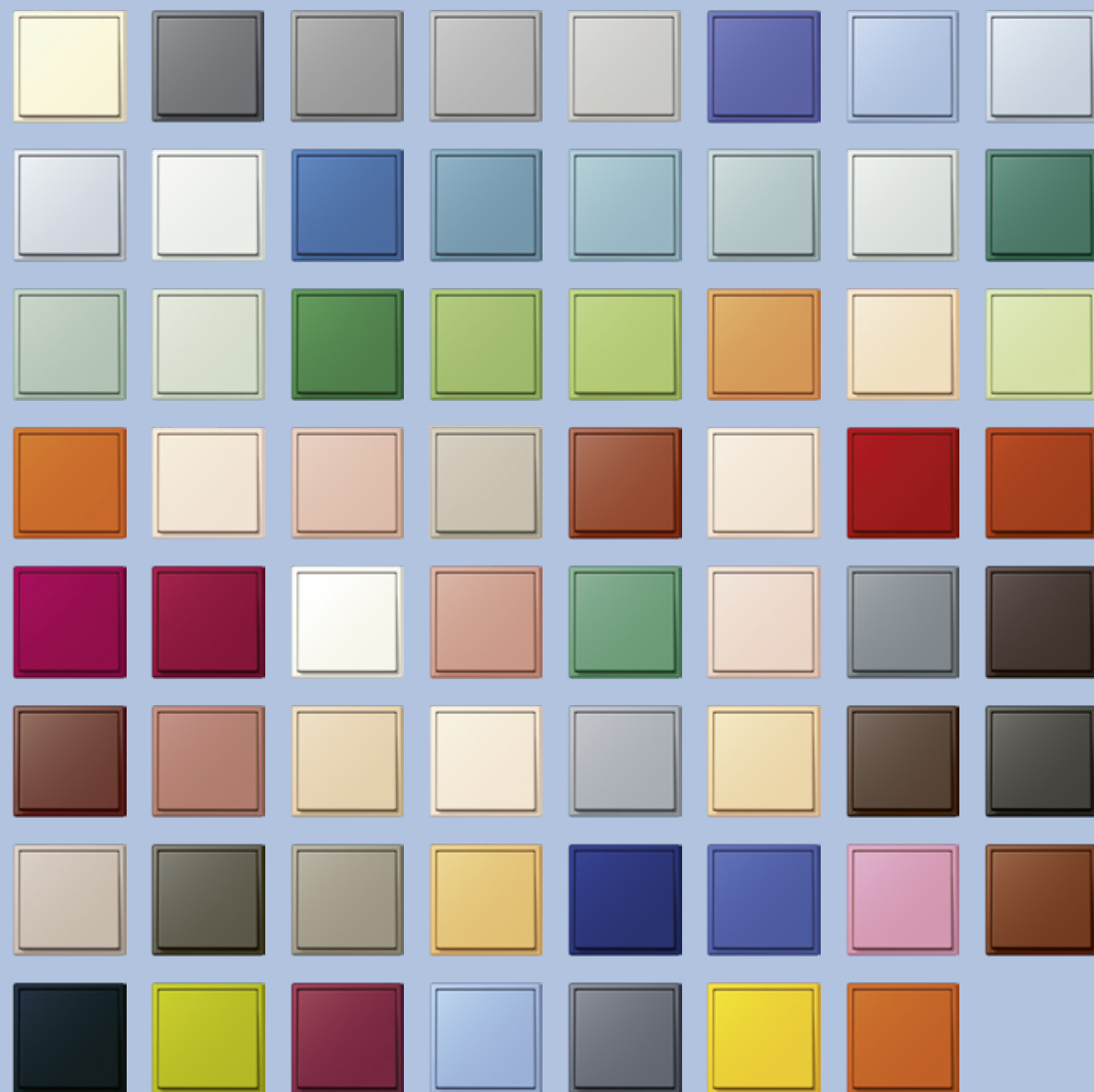
Flowing, level transitions between switches, sockets and smart operating elements are created. Thanks to the consistent, flush integration in the walls, ceilings and furniture items with this product solution, JUNG has made a reduced and stringent interior con-

cept possible. With the LS ZERO, over 200 functions can be realised, from conventional to smart home – without special tools and specialised wall boxes but with standard components. In 2018, JUNG presents its purists for the first time in a quality brass design.



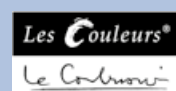
LS ZERO in Classic Brass

LS ZERO



## The LS 990 shows its colours

In numerous designs in plastic and metal, JUNG offers the LS 990 design classic in the 63 Les Couleurs® Le Corbusier colours.



4320K BLEU OUTREMER 59

Le Corbusier counts as one of the most important and most influential architects of the 20th century, and he was also established as a painter and artist. In his eyes, the colour of a building was just as important for a successful design as its layout and form.

With the LS 990 in the Les Couleurs® Le Corbusier colours, JUNG, as the only switch manufacturer, makes a unique architectural colour scheme possible. All colours have a naturally harmonious effect and can be combined with each other.

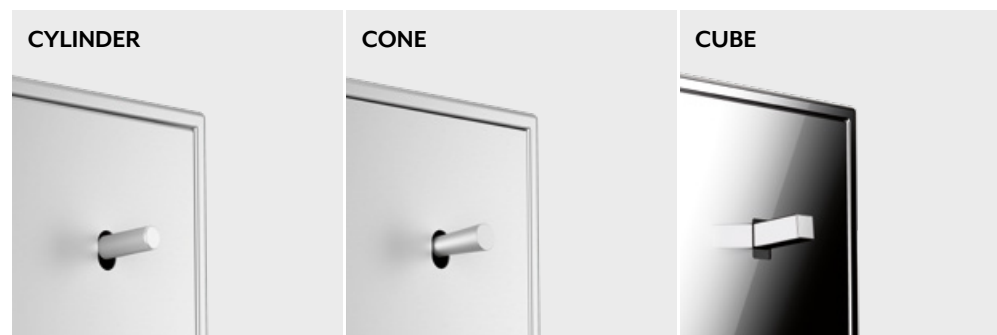


## LS 1912 – new interpretation of a rocker switch

LS 1912 is a homage to the founding year of JUNG. The rocker switch combines historical switch technology with today's demands and technical possibilities.

With LS 1912, the switch mechanism is designed so that the cover closes flush with the frame. Only the rocker lever rises out of the unit as a style element. The lever, available as cylinder, cone and cube, is matched to the material: JUNG is setting standards for the manufacture of these high-quality switch versions with the perfect machining. Rocker switch, cover and

switch mechanism were developed in a modular design so that no screws are visible when attached. The switch can thus be combined in all 1- to 5-gang frames in the LS range and fits in every common flush mounting box. Over 200 inserts such as sockets, multifunctional connections and international systems can be combined with the LS 1912.



aluminium		aluminium		chrome	
stainless steel		stainless steel			
dark*		dark*			
classic brass		classic brass			

\* (lacquered aluminium)



LS 1912 cones in Classic Brass

LS1912


















## LS 990 – the modular system

LS 990 offers numerous combination possibilities – up to five control elements can be combined in only one multiple frame.

### LS 990 colours/materials:

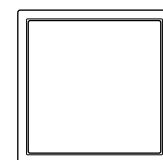
Plastic		Metal			
white		aluminium		golden	
alpine white		stainless steel		gold-plated	
light-grey		anthracite*		brass classic	
black		dark*		brass antique	
		chrome		* (lacquered aluminium)	

\* (lacquered aluminium)

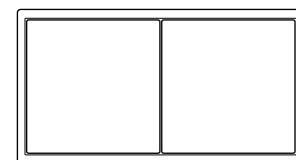
### Les Couleurs® Le Corbusier



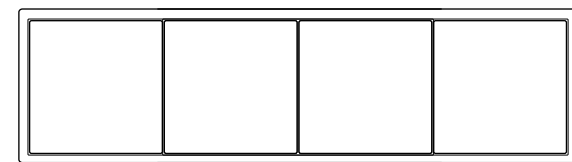
### LS 990 frames:



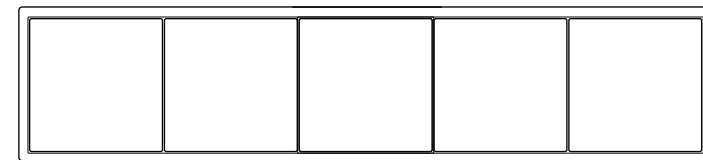
1-gang frames



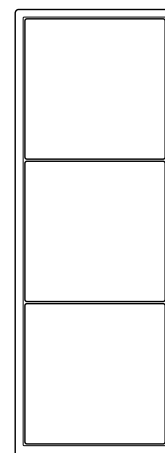
2-gang frames



4-gang frames



5-gang frames



3-gang frames

JUNG offers impressive freedom of design – in appearance and functionality. Convenient control of lighting and temperature, music in every room, intelligent security systems or smart control of the whole multimedia technology

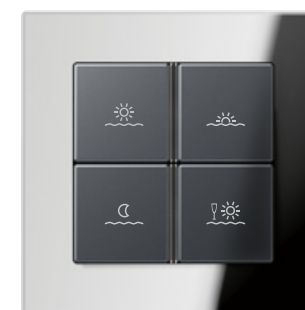
using a touch screen – JUNG makes the greatest convenience possible in the timeless design of the LS 990. 1- to 5-gang frames can be flexibly and modularly equipped with the widest range of functions.



COMPACT ROOM CONTROLLER F 50



PUSH-BUTTON SENSOR F 40



Simply press: large buttons for controlling room functions

PUSH-BUTTON SENSOR F 50



Buttons and design cover in one colour: room for design

ROTARY SENSOR



Works like a standard rotary dimmer, but can do much more

BCU PUSH-BUTTONS



Looks like a usual switch but controls smart KNX functions

## A creation – set accents

A creation is a modern switch range from JUNG that sets accents. The range is persuasive thanks to its clear shape and choice of materials.

JUNG offers A creation with a coloured glass frame, including in black, silver (mirrored), champagne and mocha, which shows once again its competence in materials. In the A creation version in plastic, Duroplast in white, black, aluminium, champagne and mocha, and unbreakable Thermoplast in anthracite

matt along with white and black convince in a high-gloss finish. With the consistent design and function standards, which are oriented on the needs of the customer, over 200 functions are possible with the A creation range – from multimedia connections and sockets to multiple combinations and international systems.

















## A creation – the modular system

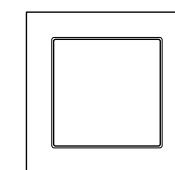
A creation offers numerous combination possibilities – up to five control elements can be combined in only one multiple frame.



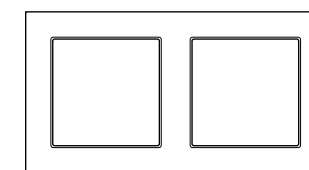
### A creation colours/materials:

Plastic		glass (frame only)			
alpine white		matt white		champagne	
anthracite matt		alpine white		mocha	
aluminium		blue-grey			
black		black			
champagne		red			
mocha		silver			

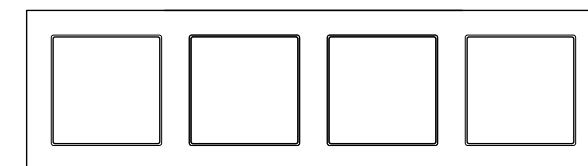
### A creation frames:



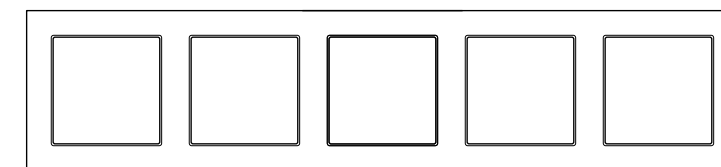
1-gang frames



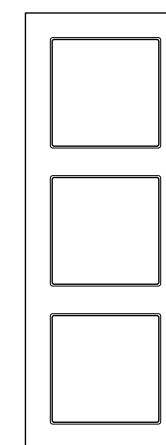
2-gang frames



4-gang frames



5-gang frames



3-gang frames

JUNG offers the expected range of functionality for A creation. 1- to 5-gang frames can also be put together in this switch range in a modular fashion and combined with over 200 functions. Inserts such as to regulate lighting, tempera-

ture and shutters as well as multimedia and security systems can be used in all colour and material versions of A creation. For absolute function and design freedom in the JUNG switch design.





TV, HiFi sound system or laptop: sufficient connection possibilities for the multimedia devices should be available on every yacht. The multimedia connection system in the JUNG design offers all the options – for digital, analogue and also mobile devices. Combined centrally and space-saving. With restrained design and visually matching the other components in the electrical installation.

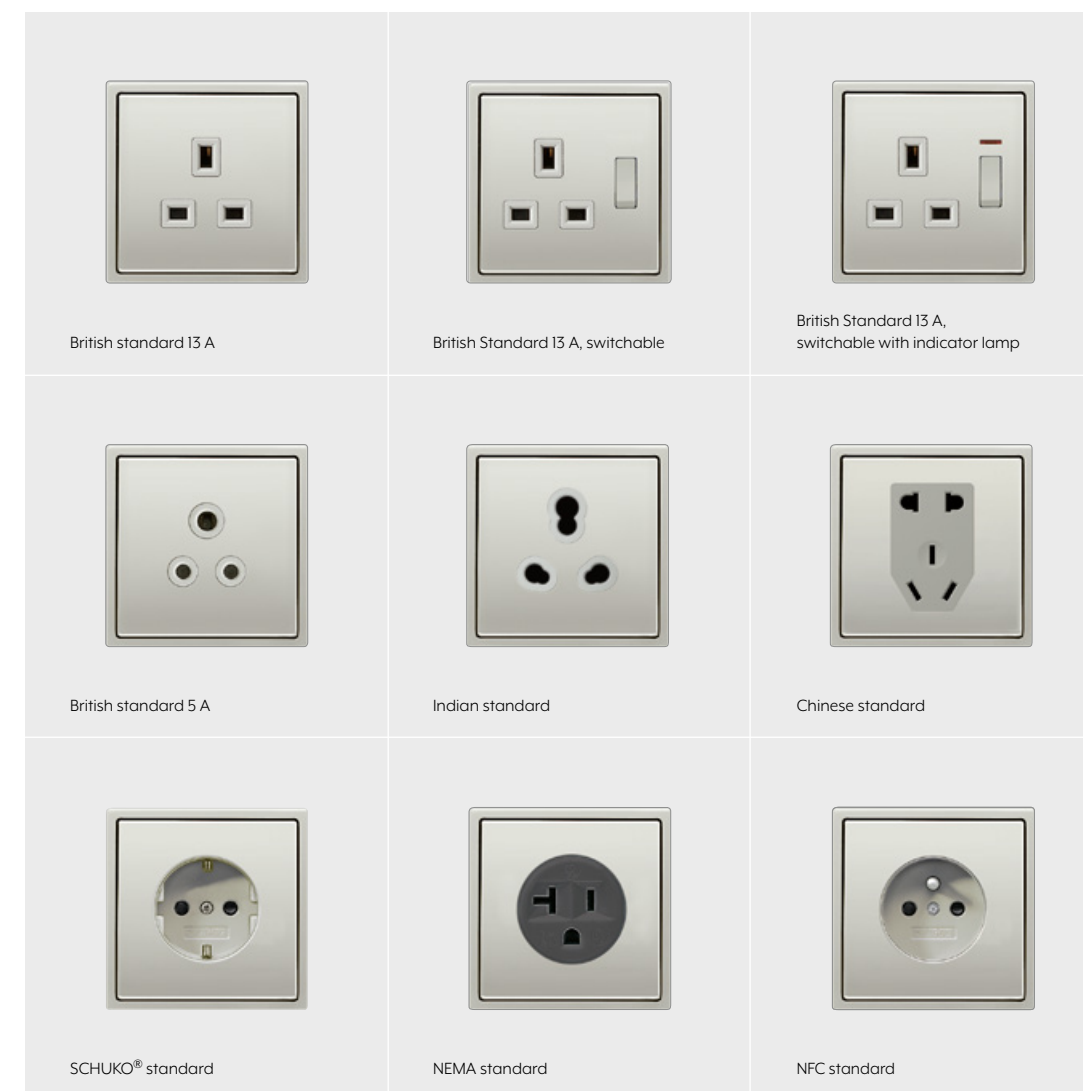
Multimedia terminals –  
for the best connections







Dual combination in SCHUKO® and G+I sockets



## Proven in applications worldwide

Best worldwide connections: in order to completely meet the international requirements, the JUNG range offers socket systems fulfilling country-specific standards. These can naturally also be combined in multiple frames as part of the JUNG modular system – for a uniform design.



# KNX system – the worldwide standard

KNX is the only globally recognised standard for building system technology. The EN 50090 standard has become established as a global standard according to ISO/IEC 14543-3. 20 of the largest yachts in the world have already been equipped with KNX. As a founding member of the KNX Association, JUNG has supported this highly intelligent technology since 1990.



## The advantages of KNX at a glance

More than 7,000 devices from over 400 manufacturers communicate with each other thanks to the KNX standard

Constant expansion of functions and applications

Commissioning using manufacturer-independent standard software (ETS)

Easy realisation of orders, operations, surveillance and displays

Easy logic connections between functions and devices

Certified and trained installers

70,000 partners in 190 countries

400 training centres

Connection possible to many other systems, protocols and standards





## Experience KNX with JUNG

With KNX applications from JUNG, life on a yacht becomes secure and convenient. On-board systems such as automation, entertainment, climate technology and steward call can be integrated and controlled centrally. Atmospheric lighting scenes can be set with the press of a button, and light and sun protection can also be controlled easily. The individual room temperature and simple operation of multimedia applications provide feel-good moments. More convenience: an alarm function based on current weather data follows the movements of the yacht. Live audio and video data can be called up at any time.

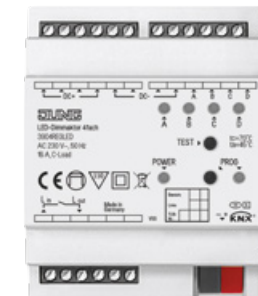


### KNX MULTISTATION



Space-saving compact device

### KNX LED DIMMING ACTUATOR, 4-GANG



For all current lamps

### KNX DALI GATEWAY TW



Control Tunable White conveniently

### KNX POWER SUPPLY INSERT



Compact and energy efficient

JUNG offers future-proof solutions for the control, visualisation and organisation of all convenience functions on board in one place. The operation of the technology is intuitive, because the design of the JUNG components makes the operation self-explanatory. As a result, for example, familiar operating patterns allow the press of a button to operate lighting, shade, climate or complete scenes.

The complete KNX system is assembled with all modules for the respective individual demands – from VDE certified rail-mounting devices to buttons in the switch design. Thanks to the international standards, competent specialist partners are available worldwide for questions and desired convenience adaptations.



The JUNG KNX actuators for rail mounting meet the applicable standards and established engineering practice of the VDE test and certification institute.



## KNX Sensors F 40

### ONE BUTTON OPERATION



Each button with one function

### ONE BUTTON OPERATION



Each button with two functions

### TWO BUTTON OPERATION



Each button with two functions

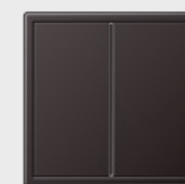
### TWO-BUTTON OPERATION



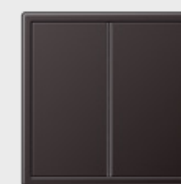
Each button with four functions

The KNX sensors F 40 have a spacious and flat design. Together with the convenient operating concept via large push-buttons, the handling is easy, even for users unfamiliar with KNX.

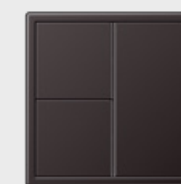
## F 40 Diversity



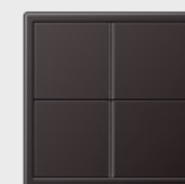
1-gang



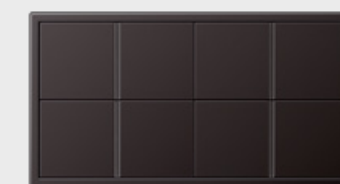
2-gang



3-gang



4-gang



8-gang



2-gang with USB and Schuko® socket

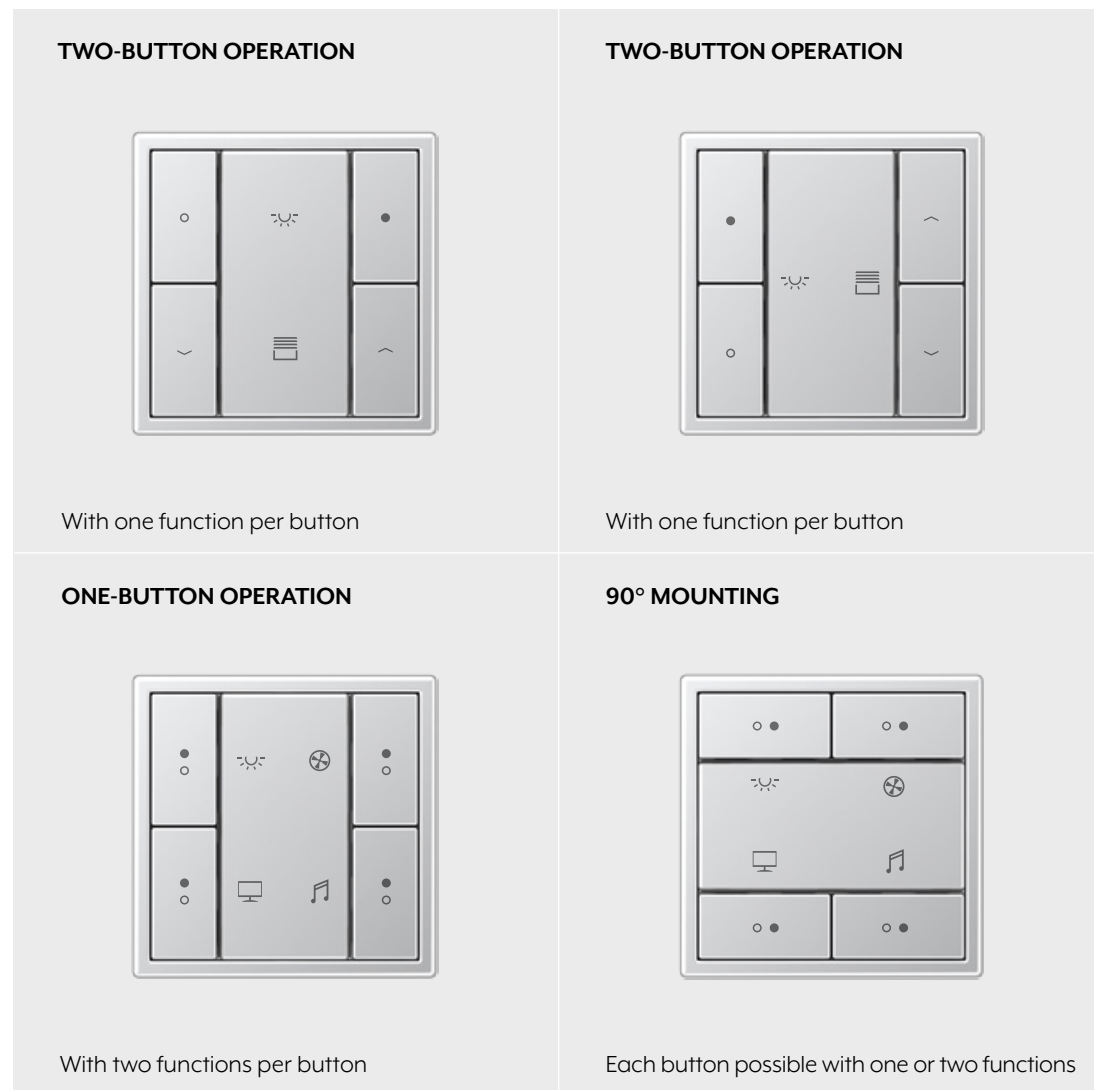


Room controller

The F 40 sensors are available in 1-gang, 2-gang, 3-gang, 4-gang and 8-gang. The room controller with display can be combined with extension modules. These KNX modules can simply be combined in multi-gang frames.

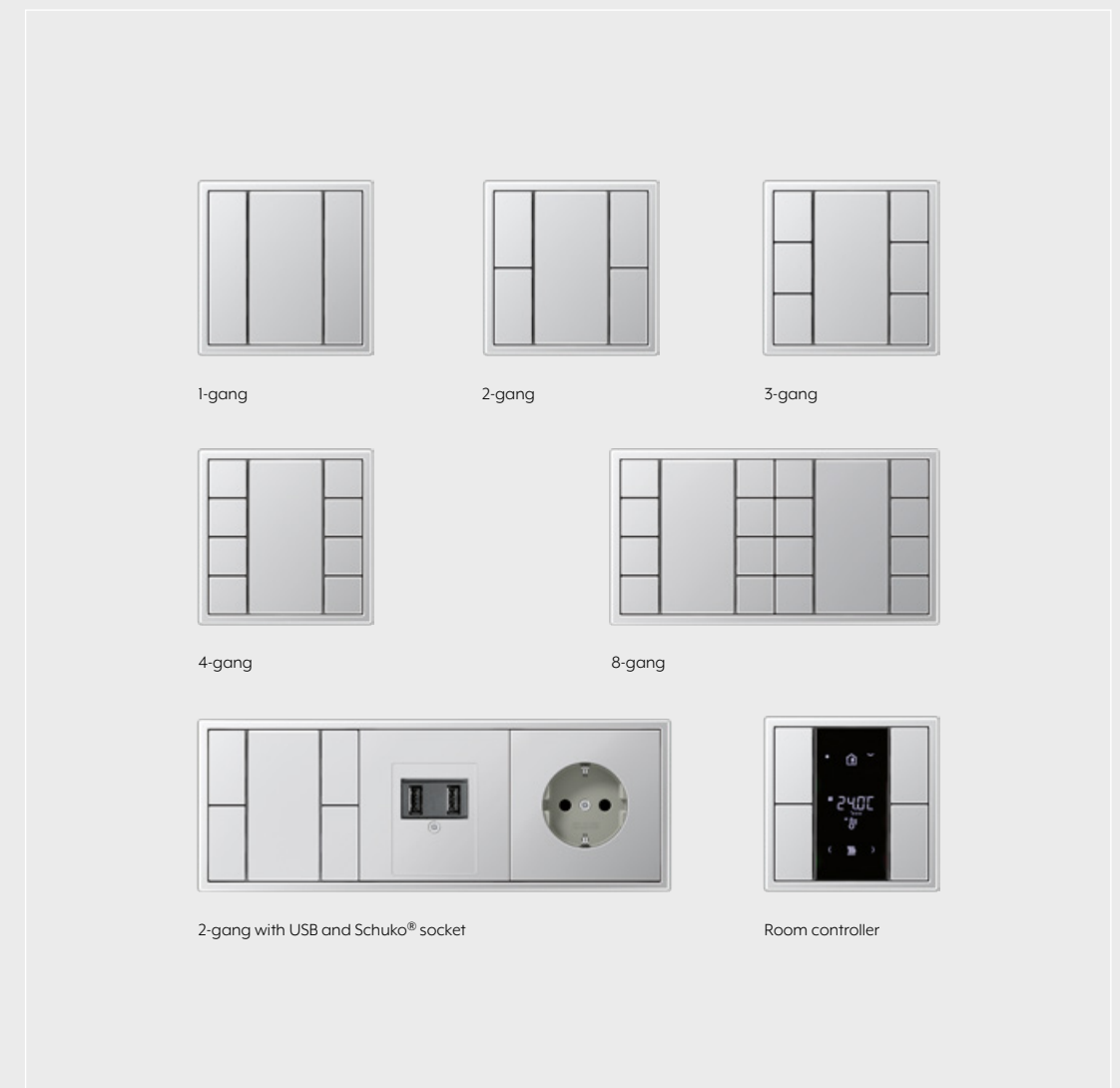


## KNX Sensors F 50



The imprint of the large labelling field ensures a simple and clear functional assignment. In addition, the push-buttons can be marked: symbols in high-quality laser engraving or colour print complement the information on the labelling field and optimize the assignment of functions.

## F 50 Diversity



The KNX sensors F 50 are available from 1-gang to 8-gang and can be elegantly combined in multi-gang frames. It is also possible to connect a sensor extension module to expand the functions. The room controller with display is persuasive due to its intuitive operating concept and two integrated temperature controllers.



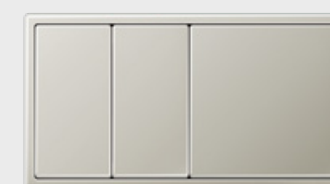
## KNX push-button and rotary sensor



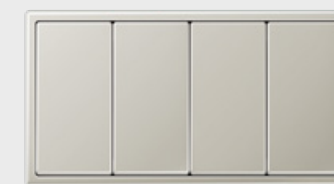
1-gang



2-gang



3-gang



4-gang



Rotary sensor



Room controller



2-gang with USB and Schuko® socket

Convenient control of lighting, temperature and sun protection on the high seas. JUNG offers a range of devices from KNX sensors, rotary dimmers and room controllers to USB charging stations – all from one source.

The KNX push-buttons work like conventional switches and can be programmed intelligently via the insert. The rotary sensor offers the feel of a dimmer and enables the simple operation of a multitude of functions. All the inserts can be easily combined in the frames.

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