Yachts
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.
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:

<table>
<thead>
<tr>
<th>Year</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1912</td>
<td>Medium-sized third generation family-owned company</td>
</tr>
<tr>
<td>1912</td>
<td>“Made in Germany” for more than 100 years</td>
</tr>
<tr>
<td></td>
<td>About 1,200 employees</td>
</tr>
<tr>
<td></td>
<td>17 subsidiaries and over 67 agencies worldwide</td>
</tr>
</tbody>
</table>
Matt finished or painted aluminium, stainless steel blasted with glass beads, brushed brass, metal with chrome finish or almost 24 caret 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 certificate “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.

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.
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.
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 concept 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.

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.
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.

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.
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.

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.

LS 1912 – new interpretation of a rocker switch

### LS 1912 cones in Classic Brass

<table>
<thead>
<tr>
<th>CYLINDER</th>
<th>CONE</th>
<th>CUBE</th>
</tr>
</thead>
<tbody>
<tr>
<td>aluminium</td>
<td>aluminium</td>
<td>chrome</td>
</tr>
<tr>
<td>stainless steel</td>
<td>stainless steel</td>
<td>* (lacquered aluminium)</td>
</tr>
<tr>
<td>dark*</td>
<td>dark*</td>
<td>dark*</td>
</tr>
<tr>
<td>classic brass</td>
<td>classic brass</td>
<td></td>
</tr>
</tbody>
</table>

LS 1912 cones in Classic Brass
LS 990 – the modular system

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

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.

LS 990 colours/materials:

<table>
<thead>
<tr>
<th>Plastic</th>
<th>Metal</th>
</tr>
</thead>
<tbody>
<tr>
<td>white</td>
<td>golden</td>
</tr>
<tr>
<td>alpine white</td>
<td>gold-plated</td>
</tr>
<tr>
<td>light grey</td>
<td>stainless steel</td>
</tr>
<tr>
<td>black</td>
<td>brass classic</td>
</tr>
<tr>
<td>* (lacquered aluminium)</td>
<td>brass antique</td>
</tr>
</tbody>
</table>

Les Couleurs® Le Corbusier

LS 990 frames:

1-gang frames
2-gang frames
4-gang frames
5-gang frames
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-glass 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.

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, temperature 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.
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.

<table>
<thead>
<tr>
<th>British Standard 13 A</th>
<th>British Standard 5 A, switchable</th>
<th>British Standard 5 A, switchable with indicator lamp</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCHUKO® standard</td>
<td>Indian standard</td>
<td>Chinese standard</td>
</tr>
<tr>
<td>SCHUKO® standard</td>
<td>NEMA standard</td>
<td>NRC standard</td>
</tr>
</tbody>
</table>

Proven in applications worldwide

Dual combination in SCHUKO® and G-I sockets
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.

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

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

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.
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.

KNX push-button and rotary sensor

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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