GUARANTEE, CONFORMITY OF LONG-LASTING PRODUCTS

BACO facilitates the daily work offering ingenious and easy to implement solutions

► A KEY PLAYER IN THE MARKET
As a key player on the market for control and signalling devices, cam switches and switch disconnectors, BACO is recognized for its professional expertise and compliance with safety standards. BACO is committed not only to provide technical solutions that offer a perfect match for customers’ requirements, but also to offer dedicated sales support and assistance. Users of electrical switches and control devices have come to trust BACO for reliable and durable components.

► A 10-YEAR GUARANTEE
We are committed to a demanding quality charter so you know you’re getting the very best deal. Our products have a 10-year guarantee and are exceptionally reliable, that is why they are ideal for integration into systems that do not tolerate any failure.

► WIDELY USED AROUND THE WORLD
Conform to the best international standards:
- IEC 60947-5-1
- IEC 60947-5-5
- IEC 60947-5-4
- ISO 13850
- UL 508-CSA 22.2
- CCC
- BV Marine rules

► HIGH DEGREE OF PROTECTION
Waterproof according to Ingress Protection (IP) Ratings:

| IP 66 | against strong water jets |
| IP 67 | against temporary water immersion |
| IP 69K | against water jets with high temperature and pressure |

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**DESIGNED TO LAST**

- Insulating material ensures electrical safety
- Integrated anti-rotation tab
- Legend holder frame keeps IP 66 + IP 65K protection
- Auto-grip ring on all heads allows single hand mounting
- Choice of bezels: black or chrome plastic
- Innovative and varied functions
- Optimised dimensions

“Cleverly designed to be both ergonomic and clearly visible”

- Secured assembly
- Metal latch on clip secures every assembly
- Contact blocks are simply snapped onto the clip
- Four different types of terminal connections

“Flexibility of configuration: 1, 3 or 5 position clips. Contact blocks can be assembled in any order.”

- Securely fixed by clipping into place
- Stackable
- Grade protection: IP 20 as “finger safe” on screw and plug-in terminals
- Electrical insulation
- LED blocks combining long life and economy (100,000 hours)
- Corrosion resistant to some

“Imaginatively designed to be safe, robust and durable”

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- Four different types of terminal connections

“Imaginatively designed to be safe, robust and durable”

**QUICK AND EASY TO ASSEMBLE**

- Auto-grip ring: head held firmly in the drilling hole during assembly
- Locking ring: to fix the head
- Fixing: Locate block onto head and lock in place with rotating metallic latch
- Quick connection: No tool required for wires with ferrules. New plug-in terminals

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PUSH-BUTTONS - NON ILLUMINATED

SPRING RETURN - FLUSH
L21AA01/2/3/4/5/6/8
With engraving
Red L21AA81
Green L21AA82
Black L21AA83
On demand engraving*
L21AAS1/2/3/4/5/6_ _ _
Supplied with shroud
L22AF01/2/3
L22AG04/5/6

SPRING RETURN - SUPER FLUSH
L23AA01/2/3/4/5/6
On demand engraving*
L23AA31/2/3/4/5/6_ _ _

SPRING RETURN - PROJECTING
L21AB01/2/3/4/5/6
On demand engraving*
L21AB31/2/3/4/5/6_ _ _

STAY-PUT - FLUSH
L21CA01/2/3/4/5/6
On demand engraving*
L21CA31/2/3/4/5/6_ _ _

STAY-PUT - PROJECTING
L21CB01/2/3/4/5/6

PUSH-BUTTONS - ILLUMINATED

FLUSH
SPRING RETURN
L21AH10/20/40/60/80
On demand engraving*
L21AHS1/2/3/4/5/6_ _ _
STAY PUT
L21CH10/20/40/60/80
On demand engraving*
L21CHS1/2/3/4/5/6_ _ _

PROJECTING
SPRING RETURN
L21AK10/20/40/60/80
On demand engraving*
L21AKS1/2/3/4/5/6_ _ _
STAY PUT
L21CK10/20/40/60/80
On demand engraving*
L21CKS1/2/3/4/5/6_ _ _

ADJUSTABLE MECHANICAL PUSH-BUTTONS

FLUSH
L21HA01/2/3/4/5/6
On demand engraving*
L21HAS1/2/3/4/5/6_ _ _

PROJECTING
L21HB01/2/3/4/5/6

PUSH-BUTTONS WITHOUT BUTTON PLATE

SPRING RETURN - FLUSH
Non illuminated
L21AA00
Illuminated
L21AH00

BUTTON PLATES FOR NON-ILLUMINATED PUSH-BUTTONS
Without engraving
L201/2/3/4/5/6
On demand engraving*
L202/3/4/5/6_ _ _

FOR ILLUMINATED PUSH-BUTTONS
Without engraving
LT01/2/3/4/5/6
On demand engraving*
LT31/2/3/4/5/6_ _ _

PILOT LIGHTS

MODULAR, SEPARATE UNITS
Without engraving
L20SE10/20/40/60/80
On demand engraving*
L20SES1/2/3/4/5/6_ _ _
SUPER FLUSH
Without engraving
L23SE10/20/40/60/80
On demand engraving*
L23SES1/2/3/4/5/6_ _ _

ONE PIECE, INTEGRATED LED
Replace “x” for voltage:
L: 24V AC/DC
M: 130V AC/DC
H: 230V AC/DC

Without engraving
L20SC10x/20x/40x/60x
On demand engraving*
L20SCS1x/2x/4x/5x/6x_ _ _

CLIPS
1 position
331E
3 positions
333E
5 positions
335E

* For ”on demand engraving” products, please replace the _ _ _ with the 3 digits code:
303 for ON, 304 for OFF, 301 for START, 302 for STOP, for more digit codes, please see BACO general catalogue: www.baco-international.com

distributed by www.laumans.com
## Mushroom Head Buttons, ISO 13850 Compliant

### Stay Put, Pull to Release

<table>
<thead>
<tr>
<th>Non Illuminated</th>
<th>Illuminated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 32mm L22DQ01</td>
<td>Ø 40mm L22DN10</td>
</tr>
<tr>
<td>Ø 40mm L22DR01</td>
<td></td>
</tr>
<tr>
<td>Ø 54mm with flag indicator  L22DU01A, L22DU01</td>
<td></td>
</tr>
</tbody>
</table>

### Stay Put, Turn to Release

| Ø 40mm L22ER01 |
| Ø 40mm with ISO 13850 symbol L22ER01K |

### Stay Put, Turn Key to Release

| Ø 32mm L22GQ01 |
| Ø 40mm L22GR01 |

### Mushroom Head Buttons

### Stay Put, Non Illuminated

<table>
<thead>
<tr>
<th>Turn to Release</th>
<th>Pull to Release</th>
<th>Turn Key to Release</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 32mm L22EC01, L22ED01/2, L22ED02/3, L22ED04/3/4</td>
<td>Ø 32mm L22DC01, L22DD04/2</td>
<td>Ø 40mm L22GM01/2/3/4</td>
</tr>
</tbody>
</table>

### Contact Blocks

#### Screw Terminals

| No | 33E10 |
| No/NC | 33E01, 33E11 |

#### Plug-In Terminals

| No | 33R10 |
| No/NC | 33R01 |

#### Faston Terminals

| No | 33D10 |
| No/NC | 33D01 |

#### Pin-Style Terminals

| No | 33P10 |
| No/NC | 33P01 |

### LED Blocks

#### Screw Terminals

| Voltage: L = 24 V AC/DC, M = 130 V AC, H = 230 V AC | Voltage: L = 24 V AC/DC, M = 130 V AC, H = 230 V AC |
| 33EA/W/R/G/B/ | 33DA/W/R/G/B/ |
| 33EAWDM = 110 V DC |

#### Plug-In Terminals

| Voltage: L = 24 V AC/DC, M = 130 V AC, H = 230 V AC |
| 33PA/WL, 33PAGL, 33PAPL, 33PWL |

#### Faston Terminals

| Voltage: L = 24 V AC/DC, M = 130 V AC, H = 230 V AC |
| 33DA/W/R/G/B/ |

### Contact Block Replacements

Replace _ by the corresponding letter: L, L4, M or H

### Distributed by

Distributed by www.laumans.com
**SELECTOR SWITCHES**  Replace _ by the corresponding letter: A, B, C...Y

### NON ILLUMINATED WITH KNOB

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>F</th>
<th>K</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>0</td>
<td>2</td>
<td>0</td>
<td>2</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

### NON ILLUMINATED WITH HANDLE

<table>
<thead>
<tr>
<th>2 positions</th>
<th>L21T _ 03</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>B</td>
</tr>
<tr>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>0</td>
<td>2</td>
</tr>
</tbody>
</table>

### NON ILLUMINATED WITH KEY

<table>
<thead>
<tr>
<th>2 positions</th>
<th>L21L _ 00</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>B</td>
</tr>
<tr>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>0</td>
<td>2</td>
</tr>
</tbody>
</table>

### ILLUMINATED WITH HANDLE

<table>
<thead>
<tr>
<th>2 positions</th>
<th>L21K _ 01/2/3/8</th>
</tr>
</thead>
<tbody>
<tr>
<td>E</td>
<td>F</td>
</tr>
<tr>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

### NON ILLUMINATED WITH LONG HANDLE

<table>
<thead>
<tr>
<th>2 positions</th>
<th>L21LM _ 01/2/3/8</th>
</tr>
</thead>
<tbody>
<tr>
<td>L</td>
<td>M</td>
</tr>
<tr>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>0</td>
<td>2</td>
</tr>
</tbody>
</table>

### DOUBLE TOUCH AND TRIPLE TOUCH SPRING RETURN BUTTONS

**DOUBLE TOUCH**

**FLUSH-FLUSH**

<table>
<thead>
<tr>
<th>Non-illuminated</th>
<th>Illuminated</th>
</tr>
</thead>
<tbody>
<tr>
<td>L61QA21</td>
<td>L61QH21</td>
</tr>
<tr>
<td>L61QA21B</td>
<td>L61QH21A</td>
</tr>
<tr>
<td>L61QA33</td>
<td>L61QH53B</td>
</tr>
<tr>
<td>L61QA22</td>
<td>L61QH22V</td>
</tr>
<tr>
<td>L61QA22K</td>
<td>L61QH22A</td>
</tr>
<tr>
<td>L61QA33C</td>
<td>L61QH33C</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Non-illuminated</th>
<th>Illuminated</th>
</tr>
</thead>
<tbody>
<tr>
<td>L61QK21</td>
<td>L61QK21</td>
</tr>
<tr>
<td>L61QK21A</td>
<td>L61QK21A</td>
</tr>
<tr>
<td>L61QK53</td>
<td>L61QK53</td>
</tr>
<tr>
<td>L61QK22</td>
<td>L61QK22</td>
</tr>
<tr>
<td>L61QK22A</td>
<td>L61QK22A</td>
</tr>
<tr>
<td>L61QK33</td>
<td>L61QK33C</td>
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</tbody>
</table>

**FLUSH-PROJECTING**

<table>
<thead>
<tr>
<th>Non-illuminated</th>
<th>Illuminated</th>
</tr>
</thead>
<tbody>
<tr>
<td>L61QB21</td>
<td>L61QH21</td>
</tr>
<tr>
<td>L61QB21B</td>
<td>L61QH21A</td>
</tr>
<tr>
<td>L61QB53</td>
<td>L61QH53B</td>
</tr>
<tr>
<td>L61QB22</td>
<td>L61QH22V</td>
</tr>
<tr>
<td>L61QB22K</td>
<td>L61QH22A</td>
</tr>
<tr>
<td>L61QB33C</td>
<td>L61QH33C</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
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<th>Illuminated</th>
</tr>
</thead>
<tbody>
<tr>
<td>L61QK21</td>
<td>L61QK21</td>
</tr>
<tr>
<td>L61QK21A</td>
<td>L61QK21A</td>
</tr>
<tr>
<td>L61QK53</td>
<td>L61QK53</td>
</tr>
<tr>
<td>L61QK22</td>
<td>L61QK22</td>
</tr>
<tr>
<td>L61QK22A</td>
<td>L61QK22A</td>
</tr>
<tr>
<td>L61QK33</td>
<td>L61QK33C</td>
</tr>
</tbody>
</table>

**TRIPLE TOUCH**

**FLUSH-PROJECTING-FLUSH**

<table>
<thead>
<tr>
<th>Non-illuminated</th>
<th>Illuminated</th>
</tr>
</thead>
<tbody>
<tr>
<td>L61QA22</td>
<td>L61QH21</td>
</tr>
<tr>
<td>L61QA22B</td>
<td>L61QH21A</td>
</tr>
<tr>
<td>L61QA22G</td>
<td>L61QH22V</td>
</tr>
<tr>
<td>L61QA22F</td>
<td>L61QH22A</td>
</tr>
<tr>
<td>L61QA33</td>
<td>L61QH33C</td>
</tr>
</tbody>
</table>

<table>
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<th>Illuminated</th>
</tr>
</thead>
<tbody>
<tr>
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</tr>
<tr>
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<td>L61QK21A</td>
</tr>
<tr>
<td>L61QK53</td>
<td>L61QK53</td>
</tr>
<tr>
<td>L61QK22</td>
<td>L61QK22</td>
</tr>
<tr>
<td>L61QK22A</td>
<td>L61QK22A</td>
</tr>
<tr>
<td>L61QK33</td>
<td>L61QK33C</td>
</tr>
</tbody>
</table>

**FLUSH-PROJECTING-FLUSH**

<table>
<thead>
<tr>
<th>STOP</th>
<th>STOP</th>
<th>STOP</th>
<th>STOP</th>
<th>STOP</th>
<th>DOWN</th>
<th>OPEN</th>
<th>CLOSE</th>
</tr>
</thead>
<tbody>
<tr>
<td>L61BA22</td>
<td>L61BA22B</td>
<td>L61BA22G</td>
<td>L61BA22F</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**AUDIBLE WARNING BUZZERS**

- **80 dB sound intensity at 10 cm**
- **Supply voltage:**
  - 18 to 30V AC/DC
  - 85 to 140V AC/DC
  - 185 to 265V AC/DC
- **Type A/A**

**USB COMMUNICATION INTERFACE**

- **USB interface 3.0 type A/A**
- **L21VB03**

**CONTROL STATIONS**

- **Ø 40mm**
  - Emergency Stop
  - Stay put, push-turn to reset
  - LBX10510
- **Ø 40mm ISO 13850**
  - Emergency Stop +
  - Stay put, push-turn to reset
  - LBX17301

**EMPTY CONTROL STATIONS**

- **1 HOLE, BLACK BASE**
  - Grey cover: LBX0100
  - Yellow cover: LBX0100J
  - Black cover: LBX0100NR
  - Red cover: LBX0100RN
- **2 HOLES, BLACK BASE**
  - Grey cover: LBX0200
  - Yellow cover: LBX0200J
- **3 HOLES, BLACK BASE**
  - Grey cover: LBX0300
- **4 HOLES, BLACK BASE**
  - Grey cover: LBX0400
- **5 HOLES, BLACK BASE**
  - Grey cover: LBX0500

**ACCESSORIES**

**ACCESSORIES Ø22**

- **LWA0219**
  - Reduction ring Ø 30/22
- **LWA0225**
  - Grey guard
- **LWA0226**
  - Padlockable shroud
- **LWA0229**
  - Blanking plug
- **LWA0230**
  - Square frame
- **LWA0234**
  - Fixing tool
- **LWA0238**
  - DIN rail adaptor
- **LWA0240**
  - Yellow padlockable guard
- **LWA0242**
  - Yellow guard ring
- **LZ1RP03**

**SHROUDS**

- **LWA0203/4/5**
  - For non illuminated projecting buttons
- **LWA0228**
  - For illuminated projecting buttons
- **LWA0251/2/3**
  - For non illuminated flush buttons
- **LWA0255**
  - For illuminated flush buttons
- **LWA0223**
  - For double and triple touch buttons

**FRAMES**

- **LWP3**
  - Standard black frame for LIA plates
- **LWG3**
  - Large black frame for LIB plates
- **LWP4**
  - Square black frame for LIA plates
- **LWP2**
  - Black frame for twin and triple touch for LIA plates

**LED BLOCKS FOR CONTROL STATIONS**

- **33SA/R/G/B/Y_**
  - Replace _ by the corresponding letter: L, M or H
  - L = 24V AC/DC
  - M = 130V AC
  - H = 230V AC

**CONTACT BLOCKS FOR CONTROL STATIONS**

- **Screw terminals**
  - 33510
  - 33501

**CONTACT STATIONS**

- **Ø22**
  - Reduction ring Ø 30/22
- **LWA0225**
  - Grey guard
- **LWA0226**
  - Padlockable shroud
- **LWA0229**
  - Blanking plug
- **LWA0230**
  - Square frame
- **LWA0234**
  - Fixing tool
- **LWA0238**
  - DIN rail adaptor
- **LWA0240**
  - Yellow padlockable guard
- **LWA0242**
  - Yellow guard ring
- **LZ1RP03**

**ENGRAVED LEGEND PLATES**

- **LIA9081**
  - O-I
- **LIA9082**
  - I-II
- **LIA9091**
  - I-O-II
- **LIA9191**
  - Manu-O-Auto
- **LIA9291**
  - Hand-O-Auto
- **LIA9301**
  - Start
- **LIA9303**
  - On
- **LIA9304**
  - Off
- **LIA9315**
  - Reset
- **LIA9327**
  - Run
- **LIA9383**
  - Hand-Auto

**METAL ROUND LEGEND PLATES**

- According to ISO 13850
  - **LWEI6232**
    - Ø60: Not-Halt +
  - **LWEI6300**
    - Ø60: Emergency stop +
  - **LWE00232**
    - Ø80: Not-Halt +
  - **LWE00300**
    - Ø80: Emergency stop +
  - **LWEI6200**
    - Ø60: Not aus
  - **LWEI6352**
    - Ø60: Emergency stop
  - **LWE00200**
    - Ø80: Not aus
  - **LWE00352**
    - Ø80: Emergency stop

**accessible by www.laumans.com**
Please refer to www.baco-international.com to find your local distributor.