

CONTROL & SIGNALLING UNITS Ø 22

► QUICK REFERENCE GUIDE



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



ISO 9001 & 14001 certified

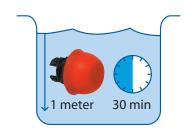


► HIGH DEGREE OF PROTECTION

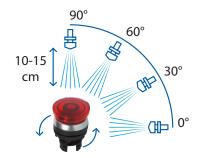
Waterproof according to Ingress Protection (IP) Ratings:



IP 66: against strong water jets



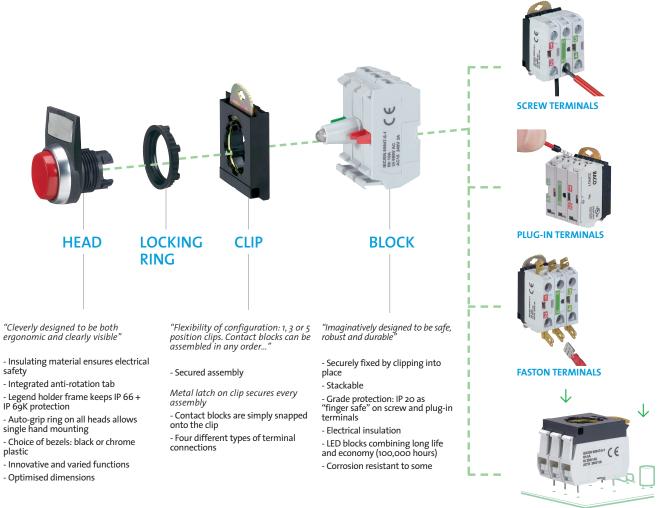
IP 67: against temporary water immersion



IP 69K: against water jets with high temperature and pressure

PIN STYLE TERMINALS (FOR PCB)

▶ DESIGNED TO LAST



► QUICK AND EASY TO ASSEMBLE



► PUSH-BUTTONS - NON ILLUMINATED

SPRING RETURN - FLUSH



L21AA01/2/3/4/5/6/8

With engraving **L21AA81** Red

L21AA82 Green Black L21AA83



On demand engraving* L21AA31/2/3/4/5/6___

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

STAY-PUT - FLUSH



L21CA01/2/3/4/5/6

On demand engraving* L21CA31/2/3/4/5/6

SPRING RETURN - PROJECTING



L21AB01/2/3/4/5/6

On demand engraving L21AB31/2/3/4/5/6

BACO°

STAY-PUT - PROJECTING



L21CB01/2/3/4/5/6

PUSH-BUTTONS - ILLUMINATED

FLUSH



SPRING RETURN

L21AH10/20/40/50/60

On demand engraving* L21AH31/2/4/5/6___

STAY PUT L21CH10/20/40/50/60

On demand engraving* L21CH31/2/4/5/6___

PROJECTING



SPRING RETURN L21AK10/20/40/50/60

STAY PUT

L21CK10/20/40/50/60

SUPER FLUSH



SPRING RETURN L23AH10/20/40/50/60

On demand engraving* L23AH31/2/4/5/6___

STAY PUT

L23CH10/20/40/50/60

On demand engraving* L23CH31/2/4/5/6

ADJUSTABLE MECHANICAL PUSH-BUTTONS

FLUSH



L21HA01/2/3/4/5/6

On demand engraving* L21HA31/2/3/4/5/6/___

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 LT01/2/3/4/5/6

On demand engraving* LT21/2/3/4/5/6___

FOR ILLUMINATED PUSH-BUTTONS



Without engraving LT10/20/40/50/60

On demand engraving* LT31/2/4/5/6___

PILOT LIGHTS

MODULAR, SEPARATE UNITS



Without engraving L20SE10/20/40/50/60

On demand engraving* L20SE31/2/4/5/6___



SUPER FLUSH Without engraving L23SE10/20/40/50/60

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/50x/60x



On demand engraving* L20SC31x/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



► MUSHROOM HEAD BUTTONS, ISO 13850 COMPLIANT

STAY PUT, PULL TO RELEASE



NON ILLUMINATED

Ø 32mm L22DQ01

Ø 40mm L22DR01



Ø 54mm with flag indicator L22DU01A L22DU01 STOP - I



ILLUMINATED Ø 40mm L22DN10

STAY PUT, TURN TO RELEASE



Ø 40mm L22ER01

Ø 40mm with ISO 13850 symbol 👽 L22ER01K

BACO°

STAY PUT, TURN KEY TO RELEASE



Ø 32mm L22GQ01

Ø 40mm L22GR01

MUSHROOM HEAD BUTTONS

STAY PUT, NON ILLUMINATED



TURN TO RELEASE Ø 32mm L22EC01/2/3/4

Ø40mm L22ED01/2/3/4



PULL TO RELEASE

Ø 32mm L22DC01 Ø 40mm L22DD01/2/3/4



TURN KEY TO RELEASE Ø 40mm L22GM01/2/3/4

STAY PUT, ILLUMINATED



TURN TO RELEASE Ø 32mm

L22EL10/20/40 Ø 40mm L22EM10/20/40



PULL TO RELEASE

Ø 32mm L22DL10 Ø 40mm L22DM10/20/40/50

SPRING RETURN



NON ILLUMINATED

Ø 32mm L21AC01/2/3/4 Ø 40mm L21AD01/2/3/4/6 Ø 70mm L21AE01/3/6



ILLUMINATED

Ø 32mm L21AL10/20/40/50

CONTACT BLOCKS



SCREW TERMINALS

NO 33E10 NC 33E01 NO/NC 33E11



PLUG-IN TERMINALS

NO 4 33R10 1 33R01 NC



(9)

FASTON TERMINALS

33D10 NO NC 2 33D01



► LED BLOCKS

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

SCREW TERMINALS





PLUG-IN TERMINALS

Voltage: **L** = 24 V AC/DC **M** = 130 V AC H = 230 V AC

33RAW/R/G/B/Y

FASTON TERMINALS Voltage: L = 24 V AC/DC M = 130 V AC Ø ₹ H = 230 V AC

33DAW/R/G/B/Y

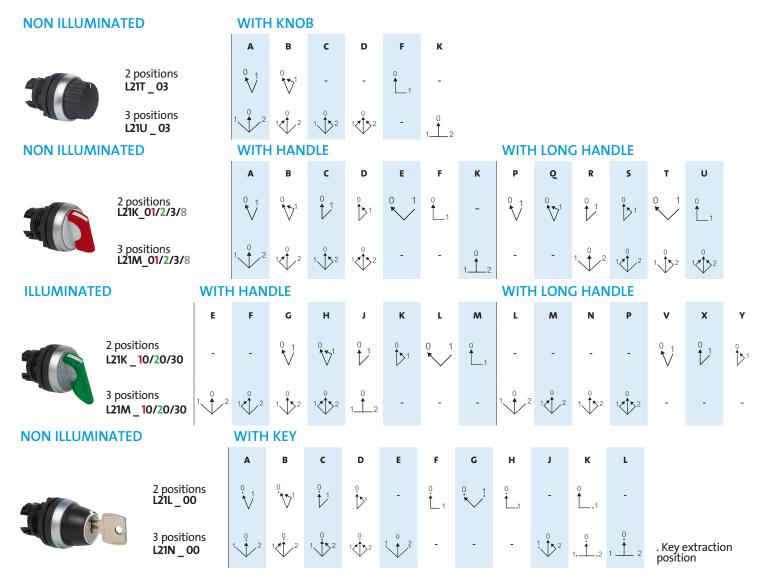
PIN STYLE TERMINALS

33P10

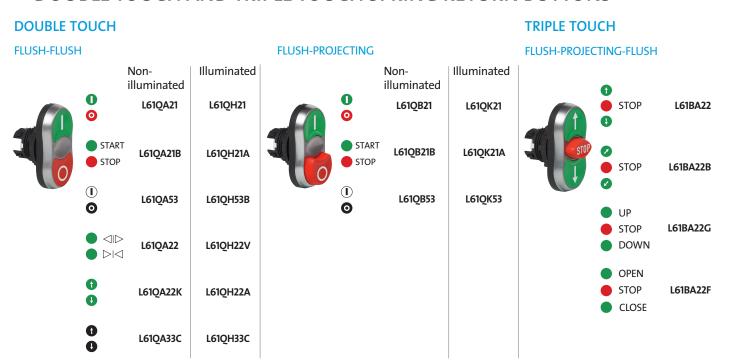
(low voltage 24V AC/DC max) 33PAWL 33PARL 33PAGL 33PABL 33PAYL



► SELECTOR SWITCHES Replace _ by the corresponding letter: A, B, C...Y



DOUBLE TOUCH AND TRIPLE TOUCH SPRING RETURN BUTTONS



AUDIBLE WARNING **BUZZERS**



80 dB sound intensity at 10 cm Supply voltage: 18 to 30V AC/DC L22VA03L 85 to 140V AC/DC L22VA03M 185 to 265V AC/DC L22VA03H

► USB COMMUNICATION **INTERFACE**



USB interface 3.0 type A/A

L21VB03



► JOYSTICKS

LM2F A - 0 - B LM2A A → 0 ← B LM4F C - 0 - D B **LMA4** C→0 ←D

Contact block for Joystick LM11

CONTROL STATIONS



Ø 40mm

Engraved: Emergency Stop Stay put, push-turn to reset LBX10510 = 10 22

Ø 40mm ISO 13850

Engraved: Emergency Stop + W Stay put, push-turn to reset LBX17301 22 LBX17302 11 12 21 22



Stay put, push-pull to reset LBX15301 21 22 LBX15302 ___ 12 21 22

Stay put, key to reset LBX11301 = LBX11302 _____ 12 21

EMPTY CONTROL STATIONS



1 HOLE, BLACK BASE

Grey cover LBX0100 Yellow cover LBX0100J Black cover LBX0100NR Red cover LBX0100RN

1 HOLE, RED BASE

Red cover LBX0100RG



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



CONTACT BLOCKS FOR CONTROL STATIONS

Screw terminals

NO 3 4 **33S10** NC 33501 1 2



Screw terminals 33SAW/R/G/B/Y



Replace _ by the corresponding letter:

L, M or H L = 24V AC/DCM = 130V AC

H = 230V AC

ACCESSORIES



ACCESSORIES Ø22

LWA0219 Reduction ring Ø 30/22 LWA0225 Grey guard Padlockable shroud LWA0226 LWA0229 Blanking plug LWA0230 Square frame Fixing tool LWA0234 DIN rail adaptor LWA0238 LWA0240 Yellow padlockable guard LWA0242 Yellow guard ring L21RP03 **Button for potentiometer**





FRAMES

LWP3 LWG3 LWP4 LWP2

Standard black frame for LIA plates Large black frame for LIB plates Square black frame for LIA plates Black frame for twin and triple touch for LIA plates

LEGEND PLATES

LIA1/3/5/9 Standard plates Large plates LIB1/3/5/9



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 Off LIA9304 LIA9315 Reset LIA9327 Run LIA9383 Hand-Auto



SHROUDS

LWA0203/4/5

LWA0228

LWA0251/2/3

LWA0255

LWA0223

For non illuminated projecting buttons For illuminated projecting buttons For non illuminated flush

buttons For illuminated flush buttons

For double and triple touch buttons



METAL ROUND LEGEND PLATES

According to ISO 13850

Ø60: Not-Halt + 🕼 LWE16232 Ø60: Emergency stop + 🕡 LWE16300 LWE00232 Ø80: Not-Halt + 🕡 LWE00300 Ø80: Emergency stop + 🕡

LWE16200 Ø60: Not aus LWE16352 Ø60: Emergency stop

LWE00200 Ø80: Not aus LWE00352 Ø80: Emergency stop



Please refer to www.baco-international.com to find your local distributor

