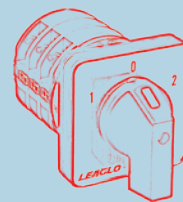
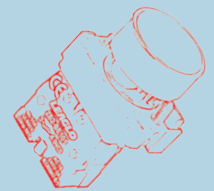


Lead the Globe

L e a g l o E l e c t r i c a l



LEAGLO

www.leaglo.com



L e a d t h e g l o b e



www.leaglo.com

Company Profile

Zhejiang Leaglo Electrical Co., Ltd. is one of the leading manufacturer in China which specialized in rotary switch, pushbutton switch, indicator, pushbutton switch control box, joystick etc. With more than 15 years' experience in the switch field, Leaglo enjoyed a good reputation in domestic and abroad, and now Leaglo has mature craft, advanced technology and strong technical power, which enable us to have comprehensive ability on researching, developing, designing and production, and present obvious advanced ability and profession.

Leaglo Company has passed ISO 9001:2008 quality management system. Most of the products have been CCC and CE certified.



Regarding “Lead the Globe” as our everlasting topic, we are always focus on “Top Quality, High Reputation, Excellent Service” . Leaglo insists on developing business with science & technology, researching and developing new products continuously. Leaglo wishes to cooperate with clients from all over the world to create brilliant future.

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XB2-B Metal, XB2-E Plastic

Pushbutton Switch ϕ 22mm

LEAGLO

Environment

| | |
|--------------------------------------|--|
| Conforming to Standards | IEC 60947-5-1, EN 60947-5-1, GB/T 14048.1, GB/14048.5-2008 |
| Ambient temperature | Operation: -25 °C to +70°C . Storage: -40°C to +70°C . |
| Vibration resistance | ϕ 60mm mushroom head pushbuttons: 8g, Other pushbuttons: 15g (40Hz < frequency < 500Hz) conforming to IEC 68-2-6 |
| Shock resistance | Pushbuttons: 70g. Mushroom head pushbuttons: 15g. Selector switches: 200g. conforming to IEC 68-2-27. |
| Electric shock protection | Class I, conforming to IEC 536 and NF C 20-030. |
| Degree of protection | IP65: flush and convex, illuminated and non-illuminated pushbuttons (mounted). IP66: booted and mushroom head pushbuttons, selector switches, pilot lights (mounted). |
| Conforming to IEC529 and NF C 20-010 | Double headed pushbuttons: Without pilot light: IP40 or IP65. With pilot light: IP40 (IP65 with boot ZB2-BW008) |
| Mechanical life | 1million operations (latching mushroom head pushbuttons: 300000 operations). |

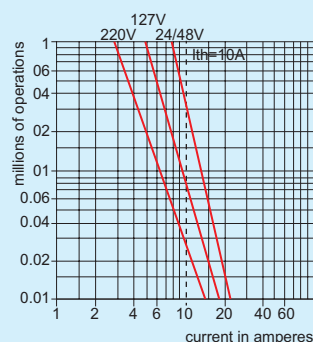
Contact block characteristics

| | |
|-----------------------------|--|
| Rated thermal current | ~ AC-15: A600 or $U_e = 240V$, $I_e = 3A$; $U_e = 380V$, $I_e = 1.9A$ = DC-13: Q600 or $U_e = 250V$, $I_e = 0.27A$ conforming to IEC 947-5-1 Appendix A |
| Rated insulation voltage | $U_i = 600V$, class of pollution 3, conforming to IEC 60947-1 |
| Contact operation | Slow break N/C or N/O |
| Resistance across terminals | $\leq 25m\Omega$ conforming to NF C 93-050 method A or IEC 255-7 category 3. |
| Operation force | Flush and convex pushbuttons - with 1 N/O contact: 1daN - with 1N/C contact: 0.85daN. Additional contacts - N/O: +0.5daN - N/C: +0.3daN |
| Terminal reference | Conforming to CENELEC EN 50013 |
| Short circuit protection | 10A cartridge fuses type g1 or N conforming to IEC 337-1 B, VDE 0660-200. |
| Rated power | Conforming to IEC 337-1, Utilization categories AC11 and DC11. Operating rate: 3600 operations/hour. Load factor:0.5 |

Standard contact blocks

~ supply (ac) 50-60Hz

Inductive



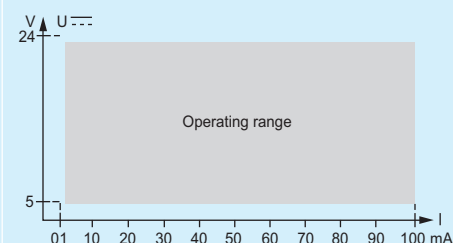
DC supply = (dc)

Power broken in W

For 1 million operations

| Voltage V | 24 | 48 | 120 |
|-----------|----|----|-----|
| W | 65 | 48 | 40 |

Contact block for low currents



Cabling

Screw and captive cable clamp terminals. Clamping capacity: min $1 \times 0.5mm^2$. Max with or without cable end: $2 \times 1.5mm^2$ or $1 \times 2.5mm^2$ or by Faston connectors conforming to NF C 20-120 (on request).

XB2-B

Metal Pushbutton Switch ϕ 22mm

LEAGLO

Spring return pushbutton



XB2-BA31



XB2-BA45



XB2-BL42



XB2-BP31



XB2-BC31



XB2-BR42

| Description | Contact | | Color | Model | Dimension |
|---|---------|----|----------|----------|-----------|
| | NO | NC | | | |
| Flush | 1 | | ○ White | XB2-BA11 | |
| | 1 | | ● Black | XB2-BA21 | |
| | 1 | | ● Green | XB2-BA31 | |
| | 1 | | ● Yellow | XB2-BA51 | |
| | 1 | | ● Blue | XB2-BA61 | |
| | 1 | | ● Black | XB2-BA22 | |
| | 1 | | ● Red | XB2-BA42 | |
| Flush | 1 | 1 | ○ White | XB2-BA15 | |
| | 1 | 1 | ● Black | XB2-BA25 | |
| | 1 | 1 | ● Green | XB2-BA35 | |
| | 1 | 1 | ● Red | XB2-BA45 | |
| | 1 | 1 | ● Yellow | XB2-BA55 | |
| | 1 | 1 | ● Blue | XB2-BA65 | |
| Convex | 1 | | ○ White | XB2-BL11 | |
| | 1 | | ● Black | XB2-BL21 | |
| | 1 | | ● Green | XB2-BL31 | |
| | 1 | | ● Yellow | XB2-BL51 | |
| | 1 | | ● Blue | XB2-BL61 | |
| | 1 | | ● Black | XB2-BL22 | |
| Booted Flush button with clear silicone | 1 | | ○ White | XB2-BP11 | |
| | 1 | | ● Black | XB2-BP21 | |
| | 1 | | ● Green | XB2-BP31 | |
| | 1 | | ● Yellow | XB2-BP51 | |
| | 1 | | ● Blue | XB2-BP61 | |
| | 1 | | ● Red | XB2-BP42 | |
| Mushroom head ϕ 40mm | 1 | | ● Black | XB2-BC21 | |
| | 1 | | ● Green | XB2-BC31 | |
| | 1 | | ● Yellow | XB2-BC51 | |
| | 1 | | ● Blue | XB2-BC61 | |
| | 1 | | ● Red | XB2-BC42 | |
| Mushroom head ϕ 60mm | 1 | | ● Black | XB2-BR21 | |
| | 1 | | ● Green | XB2-BR31 | |
| | 1 | | ● Red | XB2-BR42 | |

XB2-B

Metal Pushbutton Switch ϕ 22mm

LEAGLO

Spring return pushbutton with function symbols on button



XB2-BA3341



XB2-BL4322

| Description | Contact | Color | Model | Dimension |
|-------------|---------|-------------|------------|-----------|
| | NO NC | | | |
| Flush | 1 | Green | XB2-BA3311 | |
| | 1 | White | XB2-BA3341 | |
| | 1 | Black | XB2-BA3351 | |
| | 1 | Green | XB2-BA3361 | |
| | 1 | Green Start | XB2-BA5331 | |
| | 1 | Black Start | XB2-BA5321 | |
| | 1 | Red | XB2-BA4322 | |
| Convex | 1 | Red Stop | XB2-BA4342 | |
| | 1 | Green | XB2-BL3311 | |
| | 1 | Green | XB2-BL3361 | |
| | 1 | White | XB2-BL3341 | |
| | 1 | Black | XB2-BL3351 | |
| | 1 | Red | XB2-BL4322 | |
| | 1 | Red Stop | XB2-BL4342 | |

Latching mushroom head "emergency stop" pushbutton



XB2-BT42



XB2-BS542



XB2-BS142

| Description | Contact | Mushroom diameter | Model | Dimension |
|------------------------------|---------|-------------------|-----------|-----------|
| | NO NC | | | |
| Push-pull Red | 1 | ϕ 40 | XB2-BT42 | |
| | 1 1 | ϕ 40 | XB2-BT45 | |
| Turn to release Red | 1 | ϕ 30 | XB2-BS442 | |
| | 1 | ϕ 40 | XB2-BS542 | |
| | 1 | ϕ 60 | XB2-BS642 | |
| Key release (key n° 455) Red | 1 | ϕ 30 | XB2-BS742 | |
| | 1 | ϕ 40 | XB2-BS142 | |

XB2-B

Metal Pushbutton Switch ϕ 22mm

LEAGLO

Selector switch



XB2-BD21



XB2-BJ33

| Operator | Description | Position | Contact | | Model | Dimension |
|-----------------|--|----------|---------|----|----------|-----------|
| | | | NO | NC | | |
| Standard handle | 2 Position stay put | ∨ | 1 | | XB2-BD21 | |
| | | | 1 | 1 | XB2-BD25 | |
| | 2 Position 1 spring return from right to left | ∩ | 1 | | XB2-BD41 | |
| | | | 1 | 1 | XB2-BD45 | |
| | 3 Position stay put | ∨ | 2 | | XB2-BD33 | |
| | 3 Position 2 spring return to centre position | ∩ | 2 | | XB2-BD53 | |
| Long handle | 3 Position 1 spring return from left to centre position | ∩ | 2 | | XB2-BD73 | |
| | 3 Position 1 spring return from right to centre position | ∩ | 2 | | XB2-BD83 | |
| | 2 Position stay put | ∨ | 1 | | XB2-BJ21 | |
| | | | 1 | 1 | XB2-BJ25 | |
| | 2 Position 1 Spring return from right to left | ∩ | 1 | | XB2-BJ41 | |
| | | | 1 | 1 | XB2-BJ45 | |
| | 3 Position stay put | ∨ | 2 | | XB2-BJ33 | |
| | 3 Position 2 spring return to centre position | ∩ | 2 | | XB2-BJ53 | |
| | 3 Position 1 spring return from left to centre position | ∩ | 2 | | XB2-BJ73 | |
| | 3 Position 1 spring return from right to centre position | ∩ | 2 | | XB2-BJ83 | |
| | | | | | | |

Selector switch with LED



XB2-BK2465



XB2-BK3365

| Description | Position | Contact | | Color | Model | Dimension |
|-------------------------------------|----------|---------|----|----------|------------|-----------|
| | | NO | NC | | | |
| 2 Position stay put | ∨ | 1 | 1 | ● Green | XB2-BK2365 | |
| Standard handle | | 1 | 1 | ● Yellow | XB2-BK2565 | |
| Direct supply | | 1 | 1 | ● Blue | XB2-BK2665 | |
| 220/240V BA 9s bulb | | 1 | 1 | ○ White | XB2-BK2765 | |
| Neon | | 1 | 1 | ● Red | XB2-BK2465 | |
| LED | ∨ | 1 | 1 | ● Green | XB2-BK2375 | |
| 2 Position stay put | | 1 | 1 | ● Yellow | XB2-BK2575 | |
| Standard handle | | 1 | 1 | ● Blue | XB2-BK2675 | |
| Direct supply | | 1 | 1 | ○ White | XB2-BK2775 | |
| 220/240V BA 9s bulb with resistance | | 1 | 1 | ● Red | XB2-BK2475 | |
| Neon | ∨ | 1 | 1 | ● Green | XB2-BK3365 | |
| LED | | 1 | 1 | ● Yellow | XB2-BK3565 | |
| 3 Position stay put | | 1 | 1 | ● Blue | XB2-BK3665 | |
| Standard handle | | 1 | 1 | ○ White | XB2-BK3765 | |
| Direct supply | | 1 | 1 | ● Red | XB2-BK3465 | |
| 220/240V BA 9s bulb | | 1 | 1 | | | |
| Neon | | 1 | 1 | | | |
| LED | | 1 | 1 | | | |

Remarks: ∨ stay put, ∩ spring return, ⌘ key pull out

XB2-B

Metal Pushbutton Switch ϕ 22mm

LEAGLO

Pilot light



XB2-BV63

| Description | Scheme | Supply Voltage | Color | Model | Dimension |
|---|--------|----------------------------|----------|----------|-----------|
| Direct bulb not supplied ★ | | $\leq 380V$ | ○ White | XB2-BV61 | |
| | | | ● Green | XB2-BV63 | |
| | | | ● Red | XB2-BV64 | |
| | | | ● Yellow | XB2-BV65 | |
| | | | ● Blue | XB2-BV66 | |
| Direct through resistor BA 9s, 130V bulb supplied | | 220V 250V | ○ White | XB2-BV71 | |
| | | | ● Green | XB2-BV73 | |
| | | | ● Red | XB2-BV74 | |
| | | | ● Yellow | XB2-BV75 | |
| | | | ● Blue | XB2-BV76 | |
| Via integral transformer 1.2 VA BA 9s, 6V bulb supplied | | 110V/50Hz 110-120V/60Hz | ● Green | XB2-BV33 | |
| | | | ● Red | XB2-BV34 | |
| | | | ● Yellow | XB2-BV35 | |
| | | 220V/50Hz | ○ White | XB2-BV41 | |
| | | | ● Green | XB2-BV43 | |
| | | | ● Red | XB2-BV44 | |
| | | | ● Yellow | XB2-BV45 | |
| | | | ● Blue | XB2-BV46 | |
| | | 380V/50Hz | ● Green | XB2-BV53 | |
| | | | ● Red | XB2-BV54 | |
| | | | ● Yellow | XB2-BV55 | |
| | | | | | |

Illuminated flush pushbutton



XB2-BW3361

| Description | Scheme | Supply Voltage | Contact | Color | Model | Dimension |
|--|--------|----------------|---------|----------|------------|-----------|
| | | | NO NC | | | |
| Direct bulb not supplied ★ | | $\leq 380V$ | 1 | ○ White | XB2-BW3161 | |
| | | | 1 | ● Green | XB2-BW3361 | |
| | | | 1 | ● Red | XB2-BW3461 | |
| | | | 1 | ● Yellow | XB2-BW3561 | |
| | | | 1 | ● Blue | XB2-BW3661 | |
| | | | 1 | ● Red | XB2-BW3462 | |
| Direct through resistor BA 9s, 130V bulb supplied | | 220V 250V | 1 | ○ White | XB2-BW3171 | |
| | | | 1 | ● Green | XB2-BW3371 | |
| | | | 1 | ● Red | XB2-BW3471 | |
| | | | 1 | ● Yellow | XB2-BW3571 | |
| | | | 1 | ● Blue | XB2-BW3671 | |
| | | | 1 | ● Red | XB2-BW3472 | |

★ Bulb types for use with direct supply: BA 9s, base fitting-Incandescent bulb $U \leq 130V$, max. power 2.6W. Neon bulb $110V \leq U \leq 380V$, LED light sources, max. ϕ 11mm, max. length 28mm.

XB2-B

Metal Pushbutton Switch ϕ 22mm

LEAGLO

Double-headed pushbutton



XB2-BL8325



XB2-BL9325



XB2-BW8465

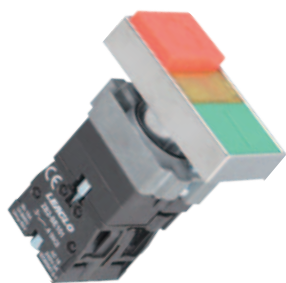
| Description | Contact | | Sealing boot | Degree of protection | Color | Model | Dimension |
|--|---------|----|--------------|----------------------|--|------------|-----------|
| | NO | NC | | | | | |
| Without pilot light 1 flush green pushbutton 1 flush red pushbutton unmarked | 1 | 1 | Without | IP40 | <div>Green</div> <div>Red</div> | XB2-BL8325 | |
| Without pilot light 1 flush green pushbutton (marked I) 1 convex red pushbutton (marked O) | 1 | 1 | Without | IP40 | <div>Green</div> <div>Red</div> | XB2-BL8425 | |
| Without pilot light 1 flush green pushbutton 1 flush red pushbutton unmarked | 1 | 1 | With | IP65 | <div>White</div> <div>Green</div> <div>Red</div> | XB2-BL9325 | |
| Without pilot light 1 flush green pushbutton (marked I) 1 convex red pushbutton (marked O) | 1 | 1 | With | IP65 | <div>White</div> <div>Green</div> <div>Red</div> | XB2-BL9425 | |
| With pilot light 1 flush green pushbutton 1 pilot light with yellow lens Direct supply \leq 380V LED supplied 1 flush red pushbutton unmarked | 1 | 1 | Without | IP40 | <div>Green</div> <div>Red</div> | XB2-BW8365 | |
| With pilot light 1 flush green pushbutton (marked I) 1 pilot light with yellow lens Direct supply \leq 380V LED supplied 1 convex red pushbutton (marked O) | 1 | 1 | Without | IP40 | <div>Green</div> <div>Red</div> | XB2-BW8465 | |

XB2-B

Metal Pushbutton Switch ϕ 22mm

LEAGLO

Double-headed pushbutton



XB2-BW8475

| Description | Contact | Sealing boot | Degree of protection | Color | Model | Dimension |
|--|------------|--------------|----------------------|--------------|------------|-----------|
| | NO NC | | | | | |
| With pilot light 1 flush green pushbutton 1 pilot light with yellow lens Supply direct through resistor 220/250V BA 9s, 130V bulb supplied 1 flush red pushbutton Neon (BA 9s) LED unmarked | 1 1 | Without | IP40 | Green Red | XB2-BW8375 | |
| With pilot light 1 flush green pushbutton (marked I) 1 pilot light with yellow lens Supply direct through resistor 220/250V BA 9s, 130V bulb supplied 1 convex red pushbutton (marked O) Neon (BA 9s) LED | 1 1 | Without | IP40 | Green Red | XB2-BW8475 | |
| With pilot light 1 flush green pushbutton 1 pilot light with yellow lens Supply via integral transformer 1.2VA -220/240V-50Hz BA 9s, 6V bulb supplied 1 flush red pushbutton Neon (BA 9s) LED unmarked | 1 1 | Without | IP40 | Green Red | XB2-BW8345 | |
| With pilot light 1 flush green pushbutton (marked I) 1 pilot light with yellow lens Supply via integral transformer 1.2VA -220/240V-50Hz BA 9s, 6V bulb supplied 1 convex red pushbutton (marked O) Neon (BA 9s) LED | 1 1 | Without | IP40 | Green Red | XB2-BW8445 | |
| Sealing boot (clear silicone) | for XB2-BW | | IP65 | | XB2-BW008 | |



XB2-B

Metal Pushbutton Switch ϕ 22mm

LEAGLO

Key switch (Ronis key n° 455)



XB2-BG21



XB2-BG33

| Description | Position | Contact | Key removal | Model | Dimension |
|---|----------|---------|--------------------|----------|-----------|
| | | NO NC | | | |
| 2 Position stay put | | 1 | LH position | XB2-BG21 | |
| | | 1 1 | LH position | XB2-BG25 | |
| | | 1 | LH and RH position | XB2-BG41 | |
| | | 1 1 | LH and RH position | XB2-BG45 | |
| 2 Position 1 spring return from right to left | | 1 | LH position | XB2-BG61 | |
| | | 1 1 | LH position | XB2-BG65 | |
| 3 Position stay put | | 2 | Centre position | XB2-BG33 | |
| | | 2 | LH and RH position | XB2-BG53 | |
| | | 2 | All position | XB2-BG03 | |
| 3 Position 2 spring return to centre position | | 2 | Centre position | XB2-BG73 | |

Position O, I, II are for operator viewed from front.

Remarks: stay put, spring return, key pull out

Joystick



XD2-PA12

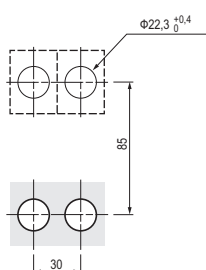


XD2-PA14

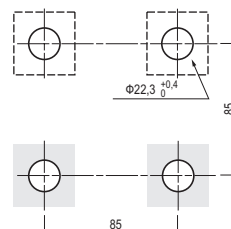
| Description | Contact | Operation | Model | Dimension |
|------------------|---------|---------------|----------|-----------|
| | NO NC | | | |
| 2 Directions | 2 | Stay put | XD2-PA12 | |
| | 2 | Spring return | XD2-PA22 | |
| 4 Directions | 4 | Stay put | XD2-PA14 | |
| | 4 | Spring return | XD2-PA24 | |

Thickness of installation panel

2 Directions



4 Directions



XB2-E

Plastic Pushbutton Switch ϕ 22mm

LEAGLO

Spring return pushbutton



XB2-EA42



XB2-EA35



XB2-EL31



XB2-EP31



XB2-EC31



XB2-ER31

| Description | Contact | | Color | Model | Dimension |
|---|---------|----|----------|----------|-----------|
| | NO | NC | | | |
| Flush | 1 | | ○ White | XB2-EA11 | |
| | 1 | | ● Black | XB2-EA21 | |
| | 1 | | ● Green | XB2-EA31 | |
| | 1 | | ● Yellow | XB2-EA51 | |
| | 1 | | ● Blue | XB2-EA61 | |
| | 1 | | ● Black | XB2-EA22 | |
| | 1 | | ● Red | XB2-EA42 | |
| Flush | 1 | 1 | ○ White | XB2-EA15 | |
| | 1 | 1 | ● Black | XB2-EA25 | |
| | 1 | 1 | ● Green | XB2-EA35 | |
| | 1 | 1 | ● Red | XB2-EA45 | |
| | 1 | 1 | ● Yellow | XB2-EA55 | |
| | 1 | 1 | ● Blue | XB2-EA65 | |
| Convex | 1 | | ○ White | XB2-EL11 | |
| | 1 | | ● Black | XB2-EL21 | |
| | 1 | | ● Green | XB2-EL31 | |
| | 1 | | ● Yellow | XB2-EL51 | |
| | 1 | | ● Blue | XB2-EL61 | |
| | 1 | | ● Black | XB2-EL22 | |
| | 1 | | ● Red | XB2-EL42 | |
| Booted Flush button with clear silicone | 1 | | ○ White | XB2-EP11 | |
| | 1 | | ● Black | XB2-EP21 | |
| | 1 | | ● Green | XB2-EP31 | |
| | 1 | | ● Yellow | XB2-EP51 | |
| | 1 | | ● Blue | XB2-EP61 | |
| | 1 | | ● Red | XB2-EP42 | |
| Mushroom head ϕ 40mm | 1 | | ● Black | XB2-EC21 | |
| | 1 | | ● Green | XB2-EC31 | |
| | 1 | | ● Yellow | XB2-EC51 | |
| | 1 | | ● Blue | XB2-EC61 | |
| | 1 | | ● Red | XB2-EC42 | |
| Mushroom head ϕ 60mm | 1 | | ● Black | XB2-ER21 | |
| | 1 | | ● Green | XB2-ER31 | |
| | 1 | | ● Red | XB2-ER42 | |

XB2-E

Plastic Pushbutton Switch ϕ 22mm

LEAGLO

Spring return pushbutton with function symbols on button



XB2-EA4322



XB2-EL3311

| Description | Contact | | Color | Model | Dimension |
|-------------|---------|----|-------------|------------|-----------|
| | NO | NC | | | |
| Flush | 1 | | Green | XB2-EA3311 | |
| | 1 | | White | XB2-EA3341 | |
| | 1 | | Black | XB2-EA3351 | |
| | 1 | | Green | XB2-EA3361 | |
| | 1 | | Green Start | XB2-EA5331 | |
| | 1 | | Black Start | XB2-EA5321 | |
| | 1 | | Red | XB2-EA4322 | |
| | 1 | | Red Stop | XB2-EA4342 | |
| Convex | 1 | | Green | XB2-EL3311 | |
| | 1 | | Green | XB2-EL3361 | |
| | 1 | | White | XB2-EL3341 | |
| | 1 | | Black | XB2-EL3351 | |
| | 1 | | Red | XB2-EL4322 | |
| | 1 | | Red Stop | XB2-EL4342 | |

Latching mushroom head "emergency stop" pushbutton



XB2-ET42



XB2-ES542



XB2-ES142

| Description | Contact | | Mushroom diameter | Model | Dimension |
|------------------------------|---------|----|-------------------|-----------|-----------|
| | NO | NC | | | |
| Push-pull Red | 1 | | ϕ 40 | XB2-ET42 | |
| | 1 | 1 | ϕ 40 | XB2-ET45 | |
| Turn to release Red | 1 | | ϕ 30 | XB2-ES442 | |
| | 1 | | ϕ 40 | XB2-ES542 | |
| | 1 | | ϕ 60 | XB2-ES642 | |
| Key release (key n° 455) Red | 1 | | ϕ 30 | XB2-ES742 | |
| | 1 | | ϕ 40 | XB2-ES142 | |

XB2-E

Plastic Pushbutton Switch ϕ 22mm

LEAGLO

Selector switch



XB2-ED33



XB2-EJ53

| Operator | Description | Position | Contact | | Model | Dimension |
|-----------------|--|----------|---------|----|----------|-----------|
| | | | NO | NC | | |
| Standard handle | 2 Position stay put | ∇ | 1 | | XB2-ED21 | |
| | | | 1 | 1 | XB2-ED25 | |
| | 2 Position 1 spring return from right to left | ↶ | 1 | | XB2-ED41 | |
| | | | 1 | 1 | XB2-ED45 | |
| | 3 Position stay put | ∇ | 2 | | XB2-ED33 | |
| | 3 Position 2 spring return to centre position | ↶ | 2 | | XB2-ED53 | |
| Long handle | 3 Position 1 spring return from left to centre position | ↶ | 2 | | XB2-ED73 | |
| | 3 Position 1 spring return from right to centre position | ↷ | 2 | | XB2-ED83 | |
| | 2 Position stay put | ∇ | 1 | | XB2-EJ21 | |
| | | | 1 | 1 | XB2-EJ25 | |
| | 2 Position 1 Spring return from right to left | ↶ | 1 | | XB2-EJ41 | |
| | | | 1 | 1 | XB2-EJ45 | |
| | 3 Position stay put | ∇ | 2 | | XB2-EJ33 | |
| | 3 Position 2 spring return to centre position | ↶ | 2 | | XB2-EJ53 | |
| | 3 Position 1 spring return from left to centre position | ↶ | 2 | | XB2-EJ73 | |
| | 3 Position 1 spring return from right to centre position | ↷ | 2 | | XB2-EJ83 | |
| | | | | | | |
| | | | | | | |

Selector switch with LED



XB2-EK2361

| Description | Position | Contact | | Color | Model | Dimension |
|-------------------------------------|----------|---------|----|----------|------------|-----------|
| | | NO | NC | | | |
| 2 Position stay put | ∇ | 1 | 1 | ● Green | XB2-EK2365 | |
| Standard handle | | 1 | 1 | ● Yellow | XB2-EK2565 | |
| Direct supply | | 1 | 1 | ● Blue | XB2-EK2665 | |
| 220/240V BA 9s bulb | | 1 | 1 | ○ White | XB2-EK2765 | |
| Neon | | 1 | 1 | ● Red | XB2-EK2465 | |
| LED | ∇ | 1 | 1 | ● Green | XB2-EK2375 | |
| Standard handle | | 1 | 1 | ● Yellow | XB2-EK2575 | |
| Direct supply | | 1 | 1 | ● Blue | XB2-EK2675 | |
| 220/240V BA 9s bulb with resistance | | 1 | 1 | ○ White | XB2-EK2775 | |
| Neon | | 1 | 1 | ● Red | XB2-EK2475 | |
| LED | ∇ | 1 | 1 | ● Green | XB2-EK3365 | |
| Standard handle | | 1 | 1 | ● Yellow | XB2-EK3565 | |
| Direct supply | | 1 | 1 | ● Blue | XB2-EK3665 | |
| 220/240V BA 9s bulb | | 1 | 1 | ○ White | XB2-EK3765 | |
| Neon | | 1 | 1 | ● Red | XB2-EK3465 | |
| LED | | | | | | |

Remarks: ∇ stay put, ↶ spring return, ⚙ key pull out

XB2-E

Plastic Pushbutton Switch ϕ 22mm

LEAGLO

Pilot light



XB2-EV74



XB2-EV44

| Description | Scheme | Supply Voltage | Color | Model | Dimension |
|---|--------|---|--|---|-----------|
| Direct bulb not supplied ★ | | $\leq 380V$ | <div>○ White</div> <div>● Green</div> <div>● Red</div> <div>● Yellow</div> <div>● Blue</div> | <div>XB2-EV61</div> <div>XB2-EV63</div> <div>XB2-EV64</div> <div>XB2-EV65</div> <div>XB2-EV66</div> | |
| Direct through resistor BA 9s, 130V bulb supplied | | 220V 250V | <div>○ White</div> <div>● Green</div> <div>● Red</div> <div>● Yellow</div> <div>● Blue</div> | <div>XB2-EV71</div> <div>XB2-EV73</div> <div>XB2-EV74</div> <div>XB2-EV75</div> <div>XB2-EV76</div> | |
| Via integral transformer 1.2 VA BA 9s, 6V bulb supplied | | <div>110V/50Hz</div> <div>110-120V/60Hz</div> <div>220V/50Hz</div> <div>380V/50Hz</div> | <div>● Green</div> <div>● Red</div> <div>● Yellow</div> <div>○ White</div> <div>● Green</div> <div>● Red</div> <div>● Yellow</div> <div>● Blue</div> <div>● Green</div> <div>● Red</div> <div>● Yellow</div> | <div>XB2-EV33</div> <div>XB2-EV34</div> <div>XB2-EV35</div> <div>XB2-EV41</div> <div>XB2-EV43</div> <div>XB2-EV44</div> <div>XB2-EV45</div> <div>XB2-EV46</div> <div>XB2-EV53</div> <div>XB2-EV54</div> <div>XB2-EV55</div> | |

Illuminated flush pushbutton



XB2-EW3361

| Description | Scheme | Supply Voltage | Contact | Color | Model | Dimension |
|--|--------|----------------|---|---|---|-----------|
| | | | <div>NO</div> <div>NC</div> | | | |
| Direct bulb not supplied ★ | | $\leq 380V$ | <div>1</div> <div>1</div> <div>1</div> <div>1</div> <div>1</div> <div>1</div> | <div>○ White</div> <div>● Green</div> <div>● Red</div> <div>● Yellow</div> <div>● Blue</div> <div>● Red</div> | <div>XB2-EW3161</div> <div>XB2-EW3361</div> <div>XB2-EW3461</div> <div>XB2-EW3561</div> <div>XB2-EW3661</div> <div>XB2-EW3462</div> | |
| Direct through resistor BA 9s, 130V bulb supplied | | 220V 250V | <div>1</div> <div>1</div> <div>1</div> <div>1</div> <div>1</div> <div>1</div> | <div>○ White</div> <div>● Green</div> <div>● Red</div> <div>● Yellow</div> <div>● Blue</div> <div>● Red</div> | <div>XB2-EW3171</div> <div>XB2-EW3371</div> <div>XB2-EW3471</div> <div>XB2-EW3571</div> <div>XB2-EW3671</div> <div>XB2-EW3472</div> | |

★ Bulb types for use with direct supply: BA 9s, base fitting-Incandescent bulb $U \leq 130V$, max. power 2.6W. Neon bulb $110V \leq U \leq 380V$, LED light sources, max. ϕ 11mm, max. length 28mm.

XB2-E

Plastic Pushbutton Switch ϕ 22mm

LEAGLO

Double-headed pushbutton



XB2-EL8325



XB2-EL9325



XB2-EL9425



XB2-EW8465

| Description | Contact | | Sealing boot | Degree of protection | Color | Model | Dimension |
|--|---------|----|--------------|----------------------|-----------------------|------------|-----------|
| | NO | NC | | | | | |
| Without pilot light 1 flush green pushbutton 1 flush red pushbutton | 1 | 1 | Without | IP40 | Green Red | XB2-EL8325 | |
| Without pilot light 1 flush green pushbutton 1 convex red pushbutton | 1 | 1 | Without | IP40 | Green Red | XB2-EL8425 | |
| Without pilot light 1 flush green pushbutton 1 flush red pushbutton | 1 | 1 | With | IP65 | White Green Red | XB2-EL9325 | |
| Without pilot light 1 flush green pushbutton 1 convex red pushbutton | 1 | 1 | With | IP65 | White Green Red | XB2-EL9425 | |
| With pilot light 1 flush green pushbutton 1 pilot light with yellow lens Direct supply \leq 380V LED supplied 1 flush red pushbutton | 1 | 1 | Without | IP40 | Green Red | XB2-EW8365 | |
| With pilot light 1 flush green pushbutton 1 pilot light with yellow lens Direct supply \leq 380V LED supplied 1 convex red pushbutton | 1 | 1 | Without | IP40 | Green Red | XB2-EW8465 | |

XB2-E

Plastic Pushbutton Switch ϕ 22mm

LEAGLO

Double-headed pushbutton



XB2-EW8475

| Description | Contact | Sealing boot | Degree of protection | Color | Model | Dimension |
|--|------------|--------------|----------------------|--------------|------------|-----------|
| | NO NC | | | | | |
| With pilot light 1 flush green pushbutton 1 pilot light with yellow lens Supply direct through resistor 220/250V BA 9s, 130V bulb supplied 1 flush red pushbutton Neon (BA 9s) LED | 1 1 | Without | IP40 | Green Red | XB2-EW8375 | |
| With pilot light 1 flush green pushbutton 1 pilot light with yellow lens Supply direct through resistor 220/250V BA 9s, 130V bulb supplied 1 convex red pushbutton Neon (BA 9s) LED | 1 1 | Without | IP40 | Green Red | XB2-EW8475 | |
| With pilot light 1 flush green pushbutton 1 pilot light with yellow lens Supply via integral transformer 1.2VA -220/240V-50Hz BA 9s, 6V bulb supplied 1 flush red pushbutton Neon (BA 9s) LED | 1 1 | Without | IP40 | Green Red | XB2-EW8345 | |
| With pilot light 1 flush green pushbutton 1 pilot light with yellow lens Supply via integral transformer 1.2VA -220/240V-50Hz BA 9s, 6V bulb supplied 1 convex red pushbutton Neon (BA 9s) LED | 1 1 | Without | IP40 | Green Red | XB2-EW8445 | |
| Sealing boot (clear silicone) | for XB2-EW | | IP65 | | XB2-EW008 | |



XB2-E

Plastic Pushbutton Switch ϕ 22mm

LEAGLO

Key switch (Ronis key n° 455)



XB2-EG21



XB2-EG33

| Description | Position | Contact | Key removal | Model | Dimension |
|---|----------|--|--------------------|----------|-----------|
| | | <div> <div>NO</div> <div>NC</div> </div> | | | |
| 2 Position stay put | | 1 | LH position | XB2-EG21 | |
| | | 1 1 | LH position | XB2-EG25 | |
| | | 1 | LH and RH position | XB2-EG41 | |
| | | 1 1 | LH and RH position | XB2-EG45 | |
| 2 Position 1 spring return from right to left | | 1 | LH position | XB2-EG61 | |
| | | 1 1 | LH position | XB2-EG65 | |
| 3 Position stay put | | 2 | Centre position | XB2-EG33 | |
| | | 2 | LH and RH position | XB2-EG53 | |
| | | 2 | All position | XB2-EG03 | |
| 3 Position 2 spring return to centre position | | 2 | Centre position | XB2-EG73 | |

Position O, I, II are for operator viewed from front.

Remarks: stay put, spring return, key pull out

XB2-B/XB2-E Contact Block



ZB2-BE101



ZB2-BE102



ZB2-EZ101



ZB2-BZ101

| Description | Contact | Color | Model |
|---|--|---------|-----------|
| | <div> <div>NO</div> <div>NC</div> </div> | | |
| Contact block | 1 | ● Green | ZB2-BE101 |
| | 1 | ● Red | ZB2-BE102 |
| Plastic bracket+ contact block | 1 | ● Green | ZB2-EZ101 |
| | 2 | ● Green | ZB2-EZ103 |
| | 1 1 | ● Red | ZB2-EZ105 |
| | 1 | ● Red | ZB2-EZ102 |
| | 2 | ● Red | ZB2-EZ104 |
| Metal bracket+ contact block | 1 | ● Green | ZB2-BZ101 |
| | 2 | ● Green | ZB2-BZ103 |
| | 1 1 | ● Red | ZB2-BZ105 |
| | 1 | ● Red | ZB2-BZ102 |
| | 2 | ● Red | ZB2-BZ104 |



ZB2-EV064



ZB2-EW063



ZB2-BV064



ZB2-BW063

| Description | Contact | Model |
|--|--|-------------------------------------|
| | <div> <div>NO</div> <div>NC</div> </div> | |
| Bottom seat of button with lamp Direct Type Neon (BA 9s) LED | | ZB2-EV06 (without contact block) |
| | | ZB2-EW06 (without contact block) |
| Bottom seat of button with lamp Direct Type Neon (BA 9s) LED (Assembly contact block) | | ZB2-EW06 (without contact block) |
| | 1 | ZB2-EW061 |
| | 1 | ZB2-EW062 |
| | 2 | ZB2-EW063 |
| Bottom seat of button with lamp Direct Type Neon (BA 9s) LED | 2 | ZB2-EW064 |
| | 1 1 | ZB2-EW065 |
| Bottom seat of button with lamp Direct Type Neon (BA 9s) LED | | ZB2-BV06 (without contact block) |
| | | ZB2-BW06 (without contact block) |
| Bottom seat of button with lamp Direct Type Neon (BA 9s) LED (Assembly contact block) | | ZB2-BW06 (without contact block) |
| | 1 | ZB2-BW061 |
| | 1 | ZB2-BW062 |
| | 2 | ZB2-BW063 |
| | 2 | ZB2-BW064 |
| | 1 1 | ZB2-BW065 |

XB2-B

Metal Pushbutton Head

LEAGLO



ZB2-BA3



ZB2-BL4



ZB2-BP4



ZB2-BA334



ZB2-BL432



ZB2-BC3

| Description | Sign | Color | Model |
|---|--|------------|-----------|
| Flush button | | ○ White | ZB2-BA1 |
| | | ● Black | ZB2-BA2 |
| | | ● Green | ZB2-BA3 |
| | | ● Red | ZB2-BA4 |
| | | ● Yellow | ZB2-BA5 |
| | | ● Blue | ZB2-BA6 |
| Convex button | | ○ White | ZB2-BL1 |
| | | ● Black | ZB2-BL2 |
| | | ● Green | ZB2-BL3 |
| | | ● Red | ZB2-BL4 |
| | | ● Yellow | ZB2-BL5 |
| | | ● Blue | ZB2-BL6 |
| Booted flush button with clear silicone | | ○ White | ZB2-BP1 |
| | | ● Black | ZB2-BP2 |
| | | ● Green | ZB2-BP3 |
| | | ● Red | ZB2-BP4 |
| | | ● Yellow | ZB2-BP5 |
| | | ● Blue | ZB2-BP6 |
| Flush pushbutton with function marked on button | | ① Green | ZB2-BA331 |
| | | ② Green | ZB2-BA336 |
| | | ① White | ZB2-BA334 |
| | | ① Black | ZB2-BA335 |
| | | ● Red | ZB2-BA432 |
| | | Stop ● Red | ZB2-BA434 |
| | Start | ● Green | ZB2-BA533 |
| | | ● Black | ZB2-BA532 |
| | Convex pushbutton with function marked on button | ① Green | ZB2-BL331 |
| | | ② Green | ZB2-BL336 |
| | | ① White | ZB2-BL334 |
| | | ① Black | ZB2-BL335 |
| | | ● Red | ZB2-BL432 |
| | | Stop ● Red | ZB2-BL432 |
| Mushroom Head spring return | φ 40 | ● Black | ZB2-BC2 |
| | | ● Green | ZB2-BC3 |
| | | ● Red | ZB2-BC4 |
| | | ● Yellow | ZB2-BC5 |
| | | ● Blue | ZB2-BC6 |



ZB2-BR4



ZB2-BT4



ZB2-BS54



ZB2-BS14

| Description | Sign | Color | Model |
|--|------|----------|----------|
| Mushroom Head spring return | φ 60 | ● Black | ZB2-BR2 |
| | φ 60 | ● Green | ZB2-BR3 |
| | φ 60 | ● Red | ZB2-BR4 |
| | φ 60 | ● Yellow | ZB2-BR5 |
| | φ 60 | ● Blue | ZB2-BR6 |
| | φ 60 | ● Blue | ZB2-BR6 |
| Mushroom head Push-Pull | φ 40 | ● Red | ZB2-BT4 |
| | | | |
| Mushroom head turn to release | φ 30 | ● Red | ZB2-BS44 |
| | φ 40 | ● Red | ZB2-BS54 |
| | φ 60 | ● Red | ZB2-BS64 |
| Mushroom head Key release Ronis key n° 455 | φ 30 | ● Red | ZB2-BS74 |
| | φ 40 | ● Red | ZB2-BS14 |

| Description | Position | Key removal | Model |
|---|----------|--------------------|---------|
| 2 Position stay put | | LH position | ZB2-BG2 |
| | | LH and RH position | ZB2-BG4 |
| 2 Position 1 spring return from right to left | | LH position | ZB2-BG6 |
| 3 Position stay put | | Centre position | ZB2-BG3 |
| | | LH and RH position | ZB2-BG5 |
| | | All position | ZB2-BG0 |
| 3 Position 2 spring return to centre position | | Centre position | ZB2-BG7 |



ZB2-BG2

XB2-B

Metal Pushbutton Head

LEAGLO



ZB2-BD2



ZB2-BD3



ZB2-BJ2



ZB2-BK23

| Operator | Description | Position | Model |
|-----------------|--|----------|---------|
| Standard handle | 2 Position stay put | ∨ | ZB2-BD2 |
| | 2 Position 1 spring return from right to left | ∠ | ZB2-BD4 |
| | 3 Position stay put | ∨ | ZB2-BD3 |
| | 3 Position 2 spring return to centre position | ∠ | ZB2-BD5 |
| | 3 Position 1 spring return from left to centre position | ∠ | ZB2-BD7 |
| | 3 Position 1 spring return from right to centre position | ∠ | ZB2-BD8 |
| Long handle | 2 Position stay put | ∨ | ZB2-BJ2 |
| | 2 Position 1 Spring return from right to left | ∠ | ZB2-BJ4 |
| | 3 Position stay put | ∨ | ZB2-BJ3 |
| | 3 Position 2 spring return to centre position | ∠ | ZB2-BJ5 |
| | 3 Position 1 spring return from left to centre position | ∠ | ZB2-BJ7 |
| | 3 Position 1 spring return from right to centre position | ∠ | ZB2-BJ8 |

| Description | Position | Color | Model |
|-------------------------------------|----------|----------|----------|
| Selector switch 2-position stay put | ∨ | ● Green | ZB2-BK23 |
| | | ● Red | ZB2-BK24 |
| | | ● Yellow | ZB2-BK25 |
| | | ● Blue | ZB2-BK26 |
| | | ○ White | ZB2-BK27 |
| Selector switch 3-position stay put | ∨ | ● Green | ZB2-BK33 |
| | | ● Red | ZB2-BK34 |
| | | ● Yellow | ZB2-BK35 |
| | | ● Blue | ZB2-BK36 |
| | | ○ White | ZB2-BK37 |



ZB2-BV03



ZB2-BW33



ZB2-BL83



ZB2-BL93



ZB2-BW84

| Description | Color | Model |
|--|----------|----------|
| Pilot light | ○ White | ZB2-BV01 |
| | ● Green | ZB2-BV03 |
| | ● Red | ZB2-BV04 |
| | ● Yellow | ZB2-BV05 |
| | ● Blue | ZB2-BV06 |
| | | |
| Illuminated flush pushbutton spring return | ○ White | ZB2-BW31 |
| | ● Green | ZB2-BW33 |
| | ● Red | ZB2-BW34 |
| | ● Yellow | ZB2-BW35 |
| | ● Blue | ZB2-BW36 |
| | | |

| Description | Sign | Color | Model |
|--|------|-----------------------------|------------------------------|
| Double-headed 1 flush green button 1 flush red button | IP40 | ■ Green ■ Red | ZB2-BL83 |
| | IP65 | ○ White ■ Green ■ Red | ZB2-BL93 (with Sealing boot) |
| Double-headed 1 flush green button 1 convex red button | IP40 | ■ Green ■ Red | ZB2-BL84 |
| | IP65 | ○ White ■ Green ■ Red | ZB2-BL94 (with Sealing boot) |
| Double-headed 1 flush green button 1 flush red button | IP40 | ■ Green ■ Red | ZB2-BW83 |
| | IP40 | ■ Green ■ Red | ZB2-BW84 |

XB2-E

Plastic Pushbutton Head

LEAGLO



ZB2-EA3



ZB2-EL4



ZB2-EP4



ZB2-EA334



ZB2-EL432



ZB2-EC3

| Description | Sign | Color | Model |
|--|-------|------------|-----------|
| Flush button | | ○ White | ZB2-EA1 |
| | | ● Black | ZB2-EA2 |
| | | ● Green | ZB2-EA3 |
| | | ● Red | ZB2-EA4 |
| | | ● Yellow | ZB2-EA5 |
| | | ● Blue | ZB2-EA6 |
| Convex button | | ○ White | ZB2-EL1 |
| | | ● Black | ZB2-EL2 |
| | | ● Green | ZB2-EL3 |
| | | ● Red | ZB2-EL4 |
| | | ● Yellow | ZB2-EL5 |
| | | ● Blue | ZB2-EL6 |
| Booted flush button with clear silicone | | ○ White | ZB2-EP1 |
| | | ● Black | ZB2-EP2 |
| | | ● Green | ZB2-EP3 |
| | | ● Red | ZB2-EP4 |
| | | ● Yellow | ZB2-EP5 |
| | | ● Blue | ZB2-EP6 |
| Flush pushbutton with function marked on button | | ① Green | ZB2-EA331 |
| | | ② Green | ZB2-EA336 |
| | | ① White | ZB2-EA334 |
| | | ① Black | ZB2-EA335 |
| | | ● Red | ZB2-EA432 |
| | | Stop ● Red | ZB2-EA434 |
| | Start | ● Green | ZB2-EA533 |
| | | ● Black | ZB2-EA532 |
| Convex pushbutton with function marked on button | | ① Green | ZB2-EL331 |
| | | ② Green | ZB2-EL336 |
| | | ① White | ZB2-EL334 |
| | | ① Black | ZB2-EL335 |
| | | ● Red | ZB2-EL432 |
| | | Stop ● Red | ZB2-EL432 |
| Mushroom Head spring return | φ 40 | ● Black | ZB2-EC2 |
| | | ● Green | ZB2-EC3 |
| | | ● Red | ZB2-EC4 |
| | | ● Yellow | ZB2-EC5 |
| | | ● Blue | ZB2-EC6 |



ZB2-ER3



ZB2-ET4



ZB2-ES54



ZB2-ES14

| Description | Sign | Color | Model |
|--|------|----------|----------|
| Mushroom Head spring return | φ 60 | ● Black | ZB2-ER2 |
| | φ 60 | ● Green | ZB2-ER3 |
| | φ 60 | ● Red | ZB2-ER4 |
| | φ 60 | ● Yellow | ZB2-ER5 |
| | φ 60 | ● Blue | ZB2-ER6 |
| | | | |
| Mushroom head Push-Pull | φ 40 | ● Red | ZB2-ET4 |
| | | | |
| Mushroom head turn to release | φ 30 | ● Red | ZB2-ES44 |
| | φ 40 | ● Red | ZB2-ES54 |
| | φ 60 | ● Red | ZB2-ES64 |
| Mushroom head Key release Ronis key n° 455 | φ 30 | ● Red | ZB2-ES74 |
| | φ 40 | ● Red | ZB2-ES14 |

| Description | Position | Key removal | Model |
|---|----------|--------------------|---------|
| 2 Position stay put | | LH position | ZB2-EG2 |
| | | LH and RH position | ZB2-EG4 |
| 2 Position 1 spring return from right to left | | LH position | ZB2-EG6 |
| | | Centre position | ZB2-EG3 |
| | | LH and RH position | ZB2-EG5 |
| 3 Position stay put | | All position | ZB2-EG0 |
| 3 Position 2 spring return to centre position | | Centre position | ZB2-EG7 |



ZB2-EG2

XB2-E

Plastic Pushbutton Head

LEAGLO



ZB2-ED2



ZB2-EJ2



ZB2-EK23

| Operator | Description | Position | Model |
|-----------------|--|----------|---------|
| Standard handle | 2 Position stay put | ∇ | ZB2-ED2 |
| | 2 Position 1 spring return from right to left | ∇ | ZB2-ED4 |
| | 3 Position stay put | ∇ | ZB2-ED3 |
| | 3 Position 2 spring return to centre position | ∇ | ZB2-ED5 |
| | 3 Position 1 spring return from left to centre position | ∇ | ZB2-ED7 |
| | 3 Position 1 spring return from right to centre position | ∇ | ZB2-ED8 |
| Long handle | 2 Position stay put | ∇ | ZB2-EJ2 |
| | 2 Position 1 Spring return from right to left | ∇ | ZB2-EJ4 |
| | 3 Position stay put | ∇ | ZB2-EJ3 |
| | 3 Position 2 spring return to centre position | ∇ | ZB2-EJ5 |
| | 3 Position 1 spring return from left to centre position | ∇ | ZB2-EJ7 |
| | 3 Position 1 spring return from right to centre position | ∇ | ZB2-EJ8 |

| Description | Position | Color | Model |
|-------------------------------------|----------|--------|----------|
| Selector switch 2-position stay put | ∇ | Green | ZB2-EK23 |
| | | Red | ZB2-EK24 |
| | | Yellow | ZB2-EK25 |
| | | Blue | ZB2-EK26 |
| | | White | ZB2-EK27 |
| Selector switch 3-position stay put | ∇ | Green | ZB2-EK33 |
| | | Red | ZB2-EK34 |
| | | Yellow | ZB2-EK35 |
| | | Blue | ZB2-EK36 |
| | | White | ZB2-EK37 |



ZB2-EV04



ZB2-EW34



ZB2-EL83



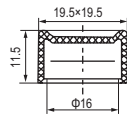
ZB2-EL84



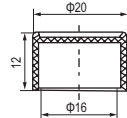
ZB2-EW84

| Description | Color | Model |
|--|--------|----------|
| Pilot light | White | ZB2-EV01 |
| | Green | ZB2-EV03 |
| | Red | ZB2-EV04 |
| | Yellow | ZB2-EV05 |
| | Blue | ZB2-EV06 |
| Illuminated flush pushbutton spring return | White | ZB2-EW31 |
| | Green | ZB2-EW33 |
| | Red | ZB2-EW34 |
| | Yellow | ZB2-EW35 |
| | Blue | ZB2-EW36 |

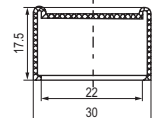
| Description | Sign | Color | Model |
|--|------|-----------------------|------------------------------|
| Double-headed 1 flush green button 1 flush red button | IP40 | Green Red | ZB2-EL83 |
| | IP65 | White Green Red | ZB2-EL93 (with Sealing boot) |
| Double-headed 1 flush green button 1 convex red button | IP40 | Green Red | ZB2-EL84 |
| | IP65 | White Green Red | ZB2-EL94 (with Sealing boot) |
| Double-headed 1 flush green button 1 flush red button | IP40 | Green Red | ZB2-EW83 |
| | | Green Red | |
| Double-headed 1 flush green button 1 convex red button | IP40 | Green Red | ZB2-EW84 |
| | | Green Red | |



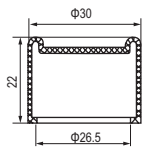
XB2-PE16F



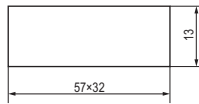
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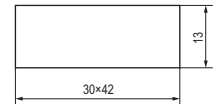
XB2-PE22A



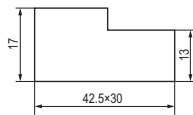
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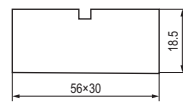
XB2-PE22F



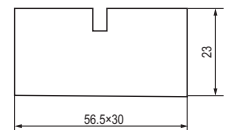
XB2-PE22F



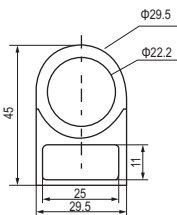
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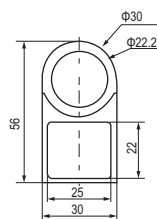
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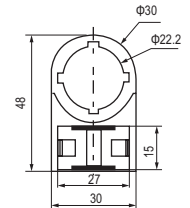
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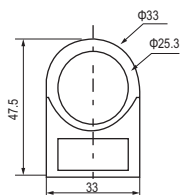
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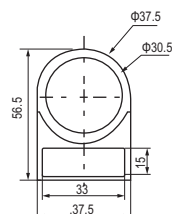
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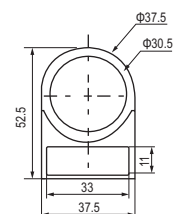
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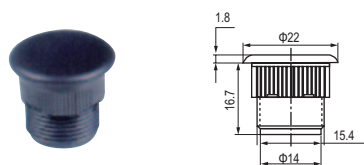
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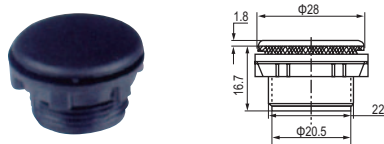
XB2-EH2225



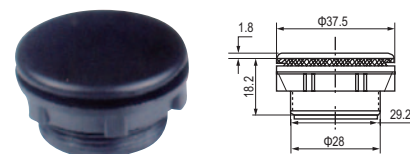
XB2-EH2230



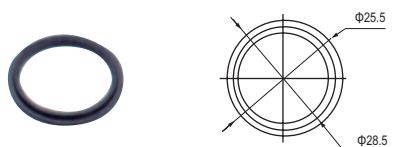
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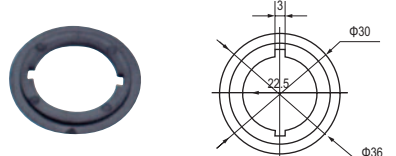
XB2-PB22



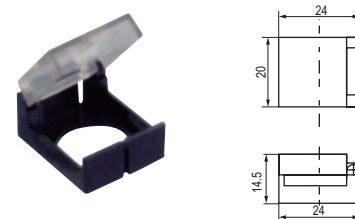
XB2-PB30



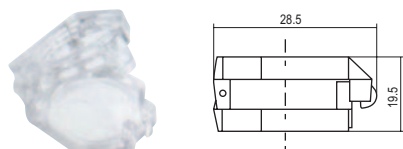
XB2-ER25
(AD22-ER25)



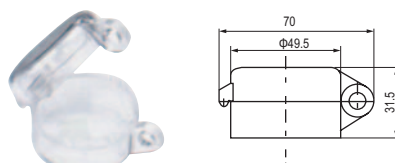
XB2-ER30
(AD22-ER30)



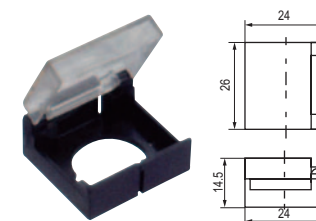
XB2-ZB16F



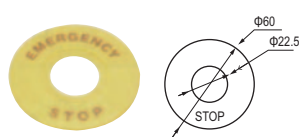
XB2-EB22P



XB2-EB40P



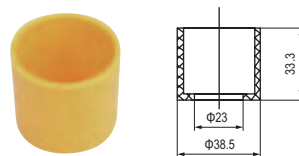
XB2-ZB16CF



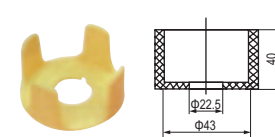
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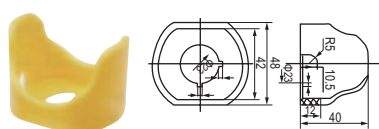
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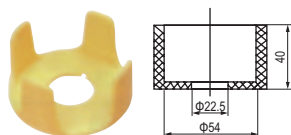
XB2-EB30



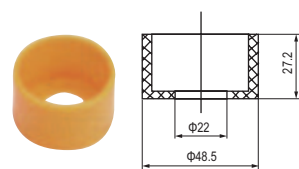
XB2-EB43E



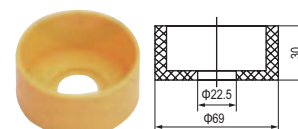
XB2-EB48E



XB2-EB54E



XB2-EB40



XB2-EB60

XAL-B / XAL-J Push Button Control Box



XAL-B101



XAL-B112



XAL-B132



XAL-B164



XAL-B174H29



XAL-B188H29

| Description | Symbol | Contact | | Model | Dimension |
|---|--------|---------|----|-------------|-----------|
| | | NO | NC | | |
| 1 green flush push button spring return IP40/54 | | 1 | | XAL-B101H29 | |
| | | 1 | | XAL-B102 | |
| | | 1 | | XAL-B103 | |
| | | 1 | | XAL-B101 | |
| 1 red flush push button spring return IP40/54 | | 1 | | XAL-B111H29 | |
| | | 1 | | XAL-B114 | |
| | | 1 | | XAL-B111 | |
| | | 1 | | XAL-B112 | |
| 1 selector switch 2-position stay put standard black handle IP40/54 | | 1 | | XAL-B132H29 | |
| | | 1 | | XAL-B134H29 | |
| | | 1 | | XAL-B132 | |
| 1 red mushroom head push button 40mm spring return IP40/54 | | 1 | | XAL-B164H29 | |
| | | 1 | | XAL-B164 | |
| 1 red mushroom head push button 40mm latching Turn to release IP40/54 | | 1 | | XAL-J174H29 | |
| | | 1 | | XAL-J174 | |
| 1 red mushroom head push button 40mm latching Key release (Key n° 455) IP40/54 | | 1 | | XAL-J188H29 | |
| | | 1 | | XAL-J188 | |

XAL-B Push Button Control Box



XAL-B142



XAL-B213



XAL-B222



XAL-B363



XAL-B324



XAL-B339

| Description | Symbol | Contact | | Model | Dimension |
|--|--------|---------|----|-------------|-----------|
| | | NO | NC | | |
| 1 selector switch with key operated (Key n° 455) | | 1 | | XAL-B142H29 | |
| 2-position stay put IP40/54 | | 1 | | XAL-B142 | |
| 2 spring return push button | | 1 | 1 | XAL-B211H29 | |
| 1 flush green | | 1 | 1 | XAL-B213 | |
| 1 flush red IP40/54 | | 1 | 1 | XAL-B215 | |
| 2 spring return push buttons | | 2 | | XAL-B222 | |
| 1 flush white (black arrow) | | 2 | | XAL-B223 | |
| 1 flush black (white arrow) IP40/54 | | | | | |
| 1 red pilot light, Directly supplied ≤ 130V ★ | | 1 | 1 | XAL-B361H29 | |
| 2 spring return push buttons | | 1 | 1 | XAL-B363 | |
| 1 flush red | | 1 | 1 | XAL-B366 | |
| 1 flush green IP40/54 | | | | | |
| 3 spring return push buttons | | 2 | 1 | XAL-B324 | |
| 1 flush white (black arrow) | | 2 | 1 | XAL-B334 | |
| 1 flush red | | | | | |
| 1 flush black (white arrow) IP40/54 | | | | | |
| 3 spring return push buttons | | 2 | 1 | XAL-B311H29 | |
| 1 flush green | | 2 | 1 | XAL-B339 | |
| 1 flush red | | | | | |
| 1 flush green IP40/54 | | 2 | 1 | XAL-B321H29 | |
| | | 2 | 1 | XAL-B321 | |

XB2

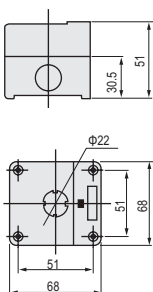
Push Button Control Box

LEAGLO



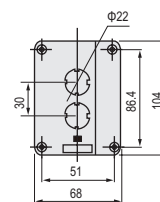
XAL-B01

Button box
for single hole
IP40
IP54
Φ22



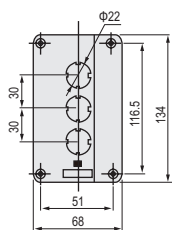
XAL-B02

Button box
for 2 holes
IP40
IP54
Φ22



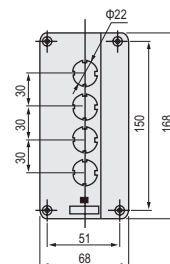
XAL-B03

Button box
for 3 holes
IP40
IP54
Φ22



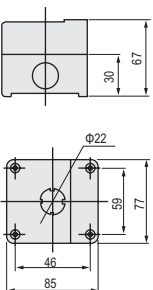
XAL-B04

Button box
for 4 holes
IP40
IP54
Φ22



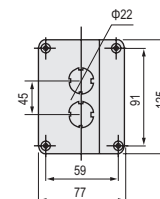
XAL-L01

Button box
for single hole
IP40
IP54
Φ22



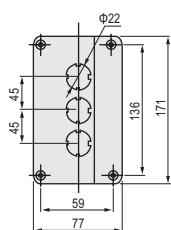
XAL-L02

Button box
for 2 holes
IP40
IP54
Φ22



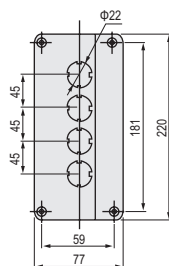
XAL-L03

Button box
for 3 holes
IP40
IP54
Φ22



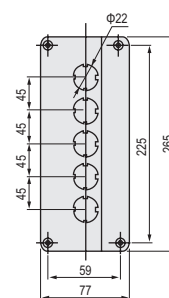
XAL-L04

Button box
for 4 holes
IP40
IP54
Φ22



XAL-L05

Button box
for 5 holes
IP40
IP54
Φ22



XB4 Metal, XB5 Plastic

Pushbutton Switch ϕ 22mm

LEAGLO

Environment

| | | | |
|---|-------------------------|----|--|
| Ambient air temperature around the device | Storage | °C | -40...+70 |
| | Operation | °C | -25...+70: LED and neon bulb versions -25...+55: incandescent bulb version |
| Resistance to high pressure washer | | Pa | 70 x 10 ⁵ (70 bar); distance: 0.1m Temperature: 55°C |
| Mechanical shock protection | Conforming to IEC 50102 | | Non illuminated heads: IK 03 Illuminated heads: IK 05 Selector switch heads: IK 06 |
| Conforming to standards | | | IEC/EN 60947-1, IEC/EN 60947-5-1, IEC/EN 60947-5-4, IEC/EN 60947-5-5. |

Characteristics of contact or combined contact and signalling functions

Mechanical characteristics

| | | | |
|--|---|-------------------------------|---|
| Contact operation | N/C or N/O | | Slow break |
| Positive operation | Conforming to IEC/EN 60947-5-1 appendix K | | All functions incorporating a N/C contact have positive opening operation |
| Operating travel (to change the electrical state) | Pushbutton | mm | Changing N/C state: 1.5 Changing N/O state: 2.6 Total travel: 4.3 |
| Operating force | Pushbutton | N | Changing N/C state: 3.5 Changing N/O state: 3.8 |
| | Additional contact only (extra to change state) | N | Single N/C contact: 2 Single N/O contact: 2.3 |
| | | N | Double N/C contact: 3.4 Double N/O contact: 5 Double contact N/C + N/O: 4.6 |
| | | Emergency stop with N/C + N/O | N |
| | | | N |
| Operating torque (to change the electrical state) | Selector switches | N.m | N/O contact: 0.14 |
| | Additional contact only | N.m | N/O contact: 0.05 |
| Mechanical durability (in millions of operating cycles) | Spring return | | 5 |
| | Pushbutton | Double-headed | 1 |
| | | Push-push to release | |
| | Selector switch | Non illuminated | 1 |
| | | Illuminated | 0.5 |
| | Toggle switch | | 0.5 |
| | Emergency stop pushbutton | | 0.3 with 3 contacts |
| | Joystick controller | | 1 |
| | Standard contact block only | | 5 |
| | Low power switching contact block only (dust protected) | | 0.5 |

XB4 Metal, XB5 Plastic

Pushbutton Switch ϕ 22mm

LEAGLO

Characteristics of contact or combined contact and signalling functions (Continued)

Mechanical characteristics (Continued)

| | | |
|---------------------------|------------------------------|---|
| Vibration resistance | Conforming to IEC 60068-2-6 | Frequency: 2 to 500 Hz: 5 gn |
| Electric shock resistance | Conforming to IEC 60068-2-27 | <p>All functions except mushroom head pushbuttons, spring return:</p> <p><input type="checkbox"/> half sine wave acceleration 11 ms: 50 gn</p> <p><input type="checkbox"/> half sine wave acceleration 18 ms: 30 gn</p> <p>Mushroom head pushbutton, spring return</p> <p><input type="checkbox"/> half sine wave acceleration 11 ms: 10 gn</p> |

Electrical characteristics

| | | | |
|---------------------------------|--------------------------------|-----------------|---|
| Cabling capacity | Conforming to EN60947-1 | mm ² | <p>Screw clamp terminals</p> <p>Min: 1 x 0.22 without cable end</p> <p>Max: 2 x 1.5 with cable end</p> <p>Cross headed screw (Pozidriv or Philips type 1), slotted for flat 4 and 5.5 mm screwdriver</p> <p>Tightening torque: 0.8 N.m (max 1.2 N.m)</p> |
| Contact material | Silver alloy (Ag / Ni) | | <p>Standard single and double blocks with screw clamp terminals</p> <p>Blocks for plug-in connector</p> <p>Standard blocks for printed circuit board connection</p> |
| | Gold flashed (Ag / Ni / Au) | | <p>Low power switching contact blocks with screw clamp terminals</p> <p>Low power switching contact blocks for printed circuit board connection</p> |
| Short-circuit protection | Conforming to IEC/EN 60947-5-1 | A | <p>Standard single and double blocks with screw clamp terminals: 10 (gG cartridge fuse conforming to IEC 60269-1)</p> <p>Blocks for plug-in connector: 4 (gG cartridge fuse conforming to IEC 60269-1)</p> <p>Standard blocks for printed circuit board connection: 4 (gG cartridge fuse conforming to IEC 60269-1)</p> |
| Rated thermal current | Conforming to IEC/EN 60947-5-1 | A | <p>Standard single and double blocks with screw clamp terminals: 10</p> <p>Blocks for plug-in connector: 10</p> <p>Standard blocks for printed circuit board connection: 6</p> |
| Rated insulation voltage | Conforming to EN60947-1 | V | <p>Standard single and double blocks with screw clamp terminals: Ui = 600, degree of pollution 3</p> <p>Blocks for plug-in connector or Faston connectors: Ui = 250, degree of pollution 3</p> <p>Standard blocks for printed circuit board connection: Ui = 250, degree of pollution 3</p> |
| Rated impulse withstand voltage | Conforming to EN60947-1 | kV | <p>Standard single and double blocks with screw clamp terminals: Uimp = 6</p> <p>Blocks for plug-in connector: Uimp = 4</p> <p>Standard blocks for printed circuit board connection: Uimp = 4</p> |

XB4 Metal, XB5 Plastic

Pushbutton Switch ϕ 22mm

LEAGLO

Characteristics of contact or combined contact and signalling functions (Continued)

Electrical characteristics (Continued)

| | | | | | | |
|---|--|----------------------|--|---|--|--|
| Rated operational characteristics Conforming to IEC/EN 60947-5-1 | a.c. supply: utilisation category AC-15 | | Standard single and double blocks with screw clamp terminals: A600: Ue = 600 V and Ie = 1.2 A or Ue = 240 V and Ie = 3 A or Ue = 120 V and Ie = 6 A Blocks for plug-in connector: A300: Ue = 120 V and Ie = 6 A or Ue = 240 V and Ie = 3 A Standard blocks for printed circuit board connection: B300: Ue = 120 V and Ie = 3 A or Ue = 240 V and Ie = 1.5 A Special contact blocks: <input type="checkbox"/> ZBE 201: A300: Ue = 240 V and Ie = 3 A or Ue = 120 V and Ie = 6 A (with insulation voltage Ui = 500 V) <input type="checkbox"/> ZBE 202: A600: Ue = 600 V and Ie = 1.2 A or Ue = 240 V and Ie = 3 A or Ue = 120 V and Ie = 6 A | | | |
| | d.c.supply: utilisation category DC-13 | | Standard single and double blocks with screw clamp terminals: Q600: Ue = 600 V and Ie = 0.1 A or Ue = 250 V and Ie = 0.27 A or Ue = 125 V and Ie = 0.55 A Joystick controllers XD4 PA/ZD4 PA: R300: Ue = 125 V and Ie = 0.22 A or Ue = 250 V and Ie = 0.1 A Blocks for plug-in connector: R300: Ue = 125 V and Ie = 0.22 A or Ue = 250 V and Ie = 0.1 A Standard blocks for printed circuit board connection: R300: Ue = 125 V and Ie = 0.22 A or Ue = 250 V and Ie = 0.1 A Special contact blocks: <input type="checkbox"/> ZBE 201: Q300; Ue = 125 V and Ie = 0.55 A or Ue = 250 V and Ie = 0.27 A <input type="checkbox"/> ZBE 202: Q600: Ue = 600 V and Ie = 0.1 A or Ue = 250 V and Ie = 0.27 A or Ue = 125 V and Ie = 0.55 A | | | |
| Characteristics of special contact blocks for low power switching | | VA A V | P max: 12 I max: 0.1 U max: 24 | | | |
| Electrical durability Conforming to IEC/EN 60947-5-1 appendix C Operating rate 3600 operating cycles/hour Load factor: 0.5 | a.c. supply for 1 million operating cycles utilisation category AC-15 | V A | Standard single blocks with screw clamp terminals: 24 120 230 4 3 2 | | | |
| | | V A | Standard double blocks with screw clamp terminals and blocks for plug-in connector: 24 120 230 3 1.5 1 | | | |
| | d.c. supply for 1 million operating cycles utilisation category DC-13 | V A | Standard single blocks with screw clamp terminals: 24 110 0.5 0.2 | | | |
| | | V A | Standard double blocks with screw clamp terminals and blocks for plug-in connector: 24 110 0.4 0.15 | | | |
| | Electrical reliability Failure rate Conforming to IEC/EN 60947-5-4 | In clean environment | | Standard blocks: - at 17 V and 5 mA. λ < 10-8 - at 5 V and 1 mA. λ < 10-6 Special blocks with gold flashed contacts, for low power switching: - at 5 V and 1 mA. λ < 10-7 | | |
| | | In dusty environment | | Special blocks with gold flashed contacts and dust protection for low power switching only: - at 5 V and 1 mA. λ < 10-7 | | |

XB4 Metal, XB5 Plastic

Pushbutton Switch ϕ 22mm

LEAGLO

Characteristics of illuminated units (Continued)

Mechanical characteristics

| | | | |
|---------------------------|------------------------------|--|--|
| Vibration resistance | Conforming to IEC 60068-2-6 | | Frequency: 12 to 500 Hz: 5 gn |
| Electric shock resistance | Conforming to IEC 60068-2-27 | | Half sine wave acceleration 11 ms: 50 gn Half sine wave acceleration 18 ms: 30 gn |

Electrical characteristics

| | | | |
|---------------------------------|-------------------------|-----------------|---|
| Cabling capacity | Conforming to EN60947-1 | mm ² | Screw clamp terminals Min: 1 x 0.22 without cable end (1 x 0.34 for linking) Max: 2 x 1.5 with cable end |
| Rated insulation voltage | Conforming to EN60947-1 | V | Direct supply pilot light blocks (BA 9s bulb): $U_i = 250$, degree of pollution 3 Pilot light blocks with integral LED: $U_i = 250$, degree of pollution 3 Pilot light blocks with transformer: $U_i = 600$, degree of pollution 3 |
| Rated impulse withstand voltage | Conforming to EN60947-1 | kV | Direct supply pilot light blocks (BA 9s bulb): $U_{imp} = 4$ Pilot light blocks with integral LED: $U_{imp} = 4$ Pilot light blocks with transformer: $U_{imp} = 6$ |

Specific characteristics of single light blocks with integral LED

| | | | |
|---|---|-----|--|
| Voltage limits | For rated voltage | V | 12 V: 10 to 15 \sim ; 10.2 to 13.8 \sim 24 V: 19.2 to 30 \sim ; 21.6 to 26.4 \sim 24 to 120 V: 20 to 132 \sim 48 to 120 V: 40 to 132 \sim 240 V: 195 to 264 \sim |
| Current consumption | Applicable to all colours | mA | Blocks with \sim 12 V supply: 18 Blocks with \sim 24 V supply: 18 Blocks with \sim 120 V supply: 14 Blocks with \sim 240 V supply: 14 |
| Service life | At rated voltage and at an ambient temperature of 25 °C | H | 100 000 |
| Surge withstand | Conforming to IEC 61000-4-5 | kV | 1 |
| Resistance to fast transients | Conforming to IEC 61000-4-4 | kV | 2 |
| Resistance to electromagnetic fields | Conforming to IEC 61000-4-3 | V/m | 10 |
| Resistance to electrostatic discharges | Conforming to IEC 61000-4-2 | kV | 8: in free air, in insulating parts 6: on contact, on metal parts |
| Direct parallel connection across inductive load e.g.: contactor coil or solenoid | Maximum power of load | VA | For high power applications (≥ 30 VA), a ZBZ V ● LED suppressor must be connected across the light block terminals |
| Electromagnetic emission | Conforming to IEC 55011 | | Class B |

Specific characteristics

Body/fixing collar

| | | | |
|-----------------------------------|--|-----|---------------|
| Tightening torque of fixing screw | | N.m | 0.8 (max 1.2) |
|-----------------------------------|--|-----|---------------|

Hour counters and annunciators

| | | | |
|---------------------|------------------------------|----|--|
| Voltage limits | Hour counter and annunciator | | $\pm 10\%$ of the nominal voltage |
| Current consumption | Hour counter | mA | XB5 DSB: 7 to 15 XB5 DSG: 8 XB5 DSM: 8 |
| | Annunciator | mA | 5 |

XB4

Metal Pushbutton Switch ϕ 22mm

LEAGLO

Spring return pushbutton



XB4-BA31



XB4-BA45



XB4-BL42



XB4-BP31



XB4-BC42



XB4-BR42

| Description | Contact | | Color | Model | Dimension |
|---|---------|----|----------|----------|-----------|
| | NO | NC | | | |
| Flush | 1 | | ○ White | XB4-BA11 | |
| | 1 | | ● Black | XB4-BA21 | |
| | 1 | | ● Green | XB4-BA31 | |
| | 1 | | ● Yellow | XB4-BA51 | |
| | 1 | | ● Blue | XB4-BA61 | |
| | 1 | | ● Black | XB4-BA22 | |
| | 1 | | ● Red | XB4-BA42 | |
| Flush | 1 | 1 | ○ White | XB4-BA15 | |
| | 1 | 1 | ● Black | XB4-BA25 | |
| | 1 | 1 | ● Green | XB4-BA35 | |
| | 1 | 1 | ● Red | XB4-BA45 | |
| | 1 | 1 | ● Yellow | XB4-BA55 | |
| | 1 | 1 | ● Blue | XB4-BA65 | |
| Convex | 1 | | ○ White | XB4-BL11 | |
| | 1 | | ● Black | XB4-BL21 | |
| | 1 | | ● Green | XB4-BL31 | |
| | 1 | | ● Yellow | XB4-BL51 | |
| | 1 | | ● Blue | XB4-BL61 | |
| | 1 | | ● Black | XB4-BL22 | |
| | 1 | | ● Red | XB4-BL42 | |
| Booted Flush button with clear silicone IP65 | 1 | | ○ White | XB4-BP11 | |
| | 1 | | ● Black | XB4-BP21 | |
| | 1 | | ● Green | XB4-BP31 | |
| | 1 | | ● Yellow | XB4-BP51 | |
| | 1 | | ● Blue | XB4-BP61 | |
| | 1 | | ● Red | XB4-BP42 | |
| Mushroom head ϕ 40mm | 1 | | ● Black | XB4-BC21 | |
| | 1 | | ● Green | XB4-BC31 | |
| | 1 | | ● Yellow | XB4-BC51 | |
| | 1 | | ● Blue | XB4-BC61 | |
| | 1 | | ● Red | XB4-BC42 | |
| Mushroom head ϕ 60mm | 1 | | ● Black | XB4-BR21 | |
| | 1 | | ● Green | XB4-BR31 | |
| | 1 | | ● Red | XB4-BR42 | |

XB4

Metal Pushbutton Switch ϕ 22mm

LEAGLO

Spring return pushbutton with function symbols on button



XB4-BA3351



XB4-BL4322

| Description | Contact | Color | Model | Dimension |
|-------------|---------|-------------|------------|-----------|
| | NO NC | | | |
| Flush | 1 | Green | XB4-BA3311 | |
| | 1 | White | XB4-BA3341 | |
| | 1 | Black | XB4-BA3351 | |
| | 1 | Green | XB4-BA3361 | |
| | 1 | Green Start | XB4-BA5331 | |
| | 1 | Black Start | XB4-BA5321 | |
| | 1 | Red | XB4-BA4322 | |
| Convex | 1 | Red Stop | XB4-BA4342 | |
| | 1 | Green | XB4-BL3311 | |
| | 1 | Green | XB4-BL3361 | |
| | 1 | White | XB4-BL3341 | |
| | 1 | Black | XB4-BL3351 | |
| | 1 | Red | XB4-BL4322 | |
| | 1 | Red Stop | XB4-BL4342 | |

Latching mushroom head "emergency stop" pushbutton



XB4-BT42



XB4-BS545



XB4-BS142

| Description | Contact | Mushroom diameter | Model | Dimension |
|------------------------------------|---------|-------------------|-----------|-----------|
| | NO NC | | | |
| Push-pull Red | 1 | ϕ 40 | XB4-BT42 | |
| | 1 | ϕ 40 | XB4-BT45 | |
| Turn to release Red | 1 | ϕ 40 | XB4-BS542 | |
| | 1 | ϕ 40 | XB4-BS545 | |
| Key release (key n° 455) Red | 1 | ϕ 40 | XB4-BS142 | |
| | 1 | ϕ 40 | XB4-BS145 | |

XB4

Metal Pushbutton Switch ϕ 22mm

LEAGLO

Selector switch



XB4-BD21



XB4-BJ21

| Operator | Description | Position | Contact | | Model | Dimension |
|-----------------|--|----------|---------|----|----------|-----------|
| | | | NO | NC | | |
| Standard handle | 2 Position stay put | ∨ | 1 | | XB4-BD21 | |
| | | | 1 | 1 | XB4-BD25 | |
| | 2 Position 1 spring return from right to left | ∩ | 1 | | XB4-BD41 | |
| | | | 1 | 1 | XB4-BD45 | |
| | 3 Position stay put | ∨ | 2 | | XB4-BD33 | |
| | 3 Position 2 spring return to centre position | ∩ | 2 | | XB4-BD53 | |
| | 3 Position 1 spring return from left to centre position | ∩ | 2 | | XB4-BD73 | |
| Long handle | 3 Position 1 spring return from right to centre position | ∩ | 2 | | XB4-BD83 | |
| | 2 Position stay put | ∨ | 1 | | XB4-BJ21 | |
| | | | 1 | 1 | XB4-BJ25 | |
| | 2 Position 1 Spring return from right to left | ∩ | 1 | | XB4-BJ41 | |
| | | | 1 | 1 | XB4-BJ45 | |
| | 3 Position stay put | ∨ | 2 | | XB4-BJ33 | |
| | 3 Position 2 spring return to centre position | ∩ | 2 | | XB4-BJ53 | |
| | 3 Position 1 spring return from left to centre position | ∩ | 2 | | XB4-BJ73 | |
| | 3 Position 1 spring return from right to centre position | ∩ | 2 | | XB4-BJ83 | |
| | | | | | | |

Remarks: ∨ stay put, ∩ spring return, ⌘ key pull out

Key switch (Ronis key n° 455)



XB4-BG21



XB4-BG33

| Description | Position | Contact | | Key removal | Model | Dimension |
|---|----------|---------|----|--------------------|----------|-----------|
| | | NO | NC | | | |
| 2 Position stay put | ∨ | 1 | | LH position | XB4-BG21 | |
| | | 1 | 1 | LH position | XB4-BG25 | |
| | ∩ | 1 | | LH and RH position | XB4-BG41 | |
| | | 1 | 1 | LH and RH position | XB4-BG45 | |
| 2 Position 1 spring return from right to left | ∩ | 1 | | LH position | XB4-BG61 | |
| | | 1 | 1 | LH position | XB4-BG65 | |
| 3 Position stay put | ∨ | 2 | | Centre position | XB4-BG33 | |
| | | 2 | | LH and RH position | XB4-BG53 | |
| | | 2 | | All position | XB4-BG03 | |
| 3 Position 2 spring return to centre position | ∩ | 2 | | Centre position | XB4-BG73 | |

Position O, I, II are for operator viewed from front.

Remarks: ∨ stay put, ∩ spring return, ⌘ key pull out

XB4

Metal Pushbutton Switch ϕ 22mm

LEAGLO

Illuminated selector switches with standard handle, with integral LED



XB4-BK126M1



XB4-BK123M1



XB4-BK124M2

| Description | Positions | Supply Voltage | Contact | | Color | Model | Dimension |
|--|-----------------------------|------------------|---------|----|----------|-------------|-----------|
| | | | NO | NC | | | |
| Standard handle Direct supply LED supplied | 2-position Stay put V | ≈ 24 | 1 | 1 | ○ White | XB4-BK121B5 | |
| | | | 1 | 1 | ● Green | XB4-BK123B5 | |
| | | | 1 | 1 | ● Red | XB4-BK124B5 | |
| | | | 1 | 1 | ● Orange | XB4-BK125B5 | |
| | | | 1 | 1 | ● Blue | XB4-BK126B5 | |
| | | $\sim 48...120$ | 1 | 1 | ○ White | XB4-BK121G5 | |
| | | | 1 | 1 | ● Green | XB4-BK123G5 | |
| | | | 1 | 1 | ● Red | XB4-BK124G5 | |
| | | | 1 | 1 | ● Orange | XB4-BK125G5 | |
| | | | 1 | 1 | ● Blue | XB4-BK126G5 | |
| | | $\sim 230...240$ | 1 | 1 | ○ White | XB4-BK121M5 | |
| | | | 1 | 1 | ● Green | XB4-BK123M5 | |
| | | | 1 | 1 | ● Red | XB4-BK124M5 | |
| | | | 1 | 1 | ● Orange | XB4-BK125M5 | |
| | | | 1 | 1 | ● Blue | XB4-BK126M5 | |
| | 3-position Stay put V | ≈ 24 | 2 | 0 | ● Green | XB4-BK133B3 | |
| | | | 1 | 1 | ○ White | XB4-BK131B5 | |
| | | | 1 | 1 | ● Green | XB4-BK133B5 | |
| | | | 1 | 1 | ● Red | XB4-BK134B5 | |
| | | | 1 | 1 | ● Orange | XB4-BK135B5 | |
| | | $\sim 48...120$ | 1 | 1 | ● Blue | XB4-BK136B5 | |
| | | | 2 | 0 | ● Green | XB4-BK133G3 | |
| | | | 1 | 1 | ○ White | XB4-BK131G5 | |
| | | | 1 | 1 | ● Green | XB4-BK133G5 | |
| | | | 1 | 1 | ● Red | XB4-BK134G5 | |
| | | $\sim 230...240$ | 1 | 1 | ● Orange | XB4-BK135G5 | |
| | | | 1 | 1 | ● Blue | XB4-BK136G5 | |
| | | | 2 | 0 | ● Green | XB4-BK133M3 | |
| | | | 1 | 1 | ○ White | XB4-BK131M5 | |
| | | | 1 | 1 | ● Green | XB4-BK133M5 | |
| | | | 1 | 1 | ● Red | XB4-BK134M5 | |
| | | | 1 | 1 | ● Orange | XB4-BK135M5 | |
| | | | 1 | 1 | ● Blue | XB4-BK136M5 | |

XB4

Metal Pushbutton Switch ϕ 22mm

LEAGLO

Double-headed pushbutton



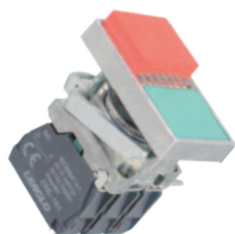
XB4-BL8325



XB4-BL9325

| Description | Contact | Sealing boot | Degree of protection | Color | Model | Dimension |
|--|---------|--------------|----------------------|-----------------------|------------|-----------|
| | NO NC | | | | | |
| Without pilot light 1 flush green pushbutton 1 flush red pushbutton unmarked | 1 1 | Without | IP40 | Green Red | XB4-BL8325 | |
| Without pilot light 1 flush green pushbutton (marked I) 1 convex red pushbutton (marked O) | 1 1 | Without | IP40 | Green Red | XB4-BL8425 | |
| Without pilot light 1 flush green pushbutton 1 flush red pushbutton unmarked | 1 1 | With | IP65 | White Green Red | XB4-BL9325 | |
| Without pilot light 1 flush green pushbutton (marked I) 1 convex red pushbutton (marked O) | 1 1 | With | IP65 | White Green Red | XB4-BL9425 | |

Double-headed pushbutton with integral LED



XB4-BW84M5

| Description | Contact | Supply voltage | Color | Model | Dimension |
|---|---------|------------------|--------------|------------|-----------|
| | NO NC | | | | |
| With pilot light 1 flush green pushbutton (marked I) 1 pilot light with yellow lens Direct supply \leq 380V LED supplied | 1 1 | \approx 24 | Green Red | XB4-BW83B5 | |
| 1 flush red pushbutton (marked O) IP40 | 1 1 | \sim 48...120 | Green Red | XB4-BW83G5 | |
| | 1 1 | \sim 230...240 | Green Red | XB4-BW83M5 | |
| With pilot light 1 flush green pushbutton (marked I) 1 pilot light with yellow lens Direct supply \leq 380V LED supplied | 1 1 | \approx 24 | Green Red | XB4-BW84B5 | |
| 1 flush red pushbutton (marked O) IP40 | 1 1 | \sim 48...120 | Green Red | XB4-BW84G5 | |
| | 1 1 | \sim 230...240 | Green Red | XB4-BW84M5 | |

XB4

Metal Pushbutton Switch ϕ 22mm

LEAGLO

Illuminated pushbutton with flush pushbutton



XB4-BW3361



XB4-BW34M5

| Description | Scheme | Supply Voltage | Contact | Color | Model | Dimension |
|---|---|------------------|--|----------|------------|-----------|
| | | | <div> <div>NO</div> <div>NC</div> </div> | | | |
| Direct bulb supplied Neon (BA 9s) LED | <div> <div>x1</div> <div> <div> <div> <div></div> <div></div> </div> </div> <div>x2</div> </div> </div> | 130V 220~240V | 1 | ○ White | XB4-BW3161 | |
| | | | 1 | ● Green | XB4-BW3361 | |
| | | | 1 | ● Red | XB4-BW3461 | |
| | | | 1 | ● Yellow | XB4-BW3561 | |
| | | | 1 | ● Blue | XB4-BW3661 | |
| | | | 1 | ● Red | XB4-BW3462 | |
| Direct supply for bulb with BA 9s base fitting supplied 2.4W max | | ≤ 250 | 1 1 | ○ White | XB4-BW3165 | |
| | | | 1 1 | ● Green | XB4-BW3365 | |
| | | | 1 1 | ● Red | XB4-BW3465 | |
| | | | 1 1 | ● Orange | XB4-BW3565 | |
| Integral LED | | ≈ 24 | 1 1 | ○ White | XB4-BW31B5 | |
| | | | 1 1 | ● Green | XB4-BW33B5 | |
| | | | 1 1 | ● Red | XB4-BW34B5 | |
| | | | 1 1 | ● Orange | XB4-BW35B5 | |
| | | $\sim 48...120$ | 1 1 | ● Blue | XB4-BW36B5 | |
| | | | 1 1 | ○ White | XB4-BW31G5 | |
| | | | 1 1 | ● Green | XB4-BW33G5 | |
| | | | 1 1 | ● Red | XB4-BW34G5 | |
| | | | 1 1 | ● Orange | XB4-BW35G5 | |
| | | | 1 1 | ● Blue | XB4-BW36G5 | |
| | | $\sim 230...240$ | 1 1 | ○ White | XB4-BW31M5 | |
| | | | 1 1 | ● Green | XB4-BW33M5 | |
| | | | 1 1 | ● Red | XB4-BW34M5 | |
| | | | 1 1 | ● Orange | XB4-BW35M5 | |
| | | | 1 1 | ● Blue | XB4-BW36M5 | |

Pilot light with BA9s base fitting, with plain lens



XB4-BV63

| Description | Scheme | Supply Voltage | Color | Model | Dimension |
|---|--|-----------------------------|----------|----------|-----------|
| Direct bulb included BA 9s base fitting Neon (BA 9s) LED | <div> <div>x1</div> <div> <div> <div></div> <div></div> </div> </div> <div>x2</div> </div> | 130V 220~240V 50~60Hz | ○ White | XB4-BV61 | |
| | | | ● Green | XB4-BV63 | |
| | | | ● Red | XB4-BV64 | |
| | | | ● Yellow | XB4-BV65 | |
| | | | ● Blue | XB4-BV66 | |

★ Bulb types for use with direct supply: BA 9s, base fitting-Incandescent bulb $U \leq 130V$, max. power 2.6W. Neon bulb $110V \leq U \leq 380V$, LED sources, max. ϕ 11mm, max. length 28mm.

XB4

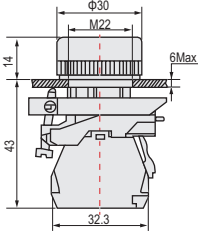
Metal Pushbutton Switch ϕ 22mm

LEAGLO

Pilot light with integral LED



XB4-BVM5

| Supply Voltage | Color | Model | Dimension |
|------------------|----------|----------|---|
| ≈ 24 | ○ White | XB4-BVB1 |  |
| | ● Green | XB4-BVB3 | |
| | ● Red | XB4-BVB4 | |
| | ● Orange | XB4-BVB5 | |
| | ● Blue | XB4-BVB6 | |
| | | | |
| $\sim 48...120$ | ○ White | XB4-BVG1 | |
| | ● Green | XB4-BVG3 | |
| | ● Red | XB4-BVG4 | |
| | ● Orange | XB4-BVG5 | |
| | ● Blue | XB4-BVG6 | |
| | | | |
| $\sim 230...240$ | ○ White | XB4-BVM1 | |
| | ● Green | XB4-BVM3 | |
| | ● Red | XB4-BVM4 | |
| | ● Orange | XB4-BVM5 | |
| | ● Blue | XB4-BVM6 | |
| | | | |

(1) Only for use with bodies comprising a light source with integral LED.

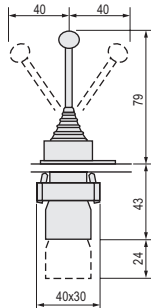
(2) Head supplied with 5 different coloured lenses(white,green,red,orange,blue)not fitted,for insertion of legend.

(3) For use in bright ambient light conditions(outdoors in sunlight, for example).

Joystick

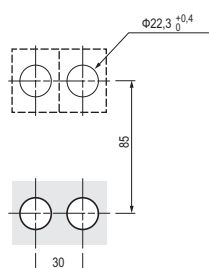


XD4-PA12

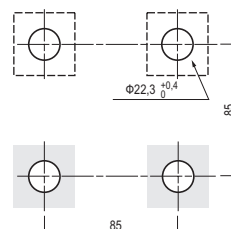
| Description | Contact | Operation | Model | Dimension |
|--|---------|---------------|----------|---|
| | NO NC | | | |
| 2 Directions (A) ← ○ → (B) | 2 | Stay put | XD4-PA12 |  |
| | 2 | Spring return | XD4-PA22 | |
| 4 Directions (A) ← ○ → (B) (C) ↓ (D) ↑ | 4 | Stay put | XD4-PA14 | |
| | 4 | Spring return | XD4-PA24 | |

Thickness of installation panel

2 Directions



4 Directions



XB5

Plastic Pushbutton Switch ϕ 22mm

LEAGLO

Spring return pushbutton



XB5-AA31



XB5-AA45



XB5-AL42



XB5-AP31



XB5-AC31



XB5-AR42

| Description | Contact | | Color | Model | Dimension |
|---|---------|----|----------|----------|-----------|
| | NO | NC | | | |
| Flush | 1 | | ○ White | XB5-AA11 | |
| | 1 | | ● Black | XB5-AA21 | |
| | 1 | | ● Green | XB5-AA31 | |
| | 1 | | ● Yellow | XB5-AA51 | |
| | 1 | | ● Blue | XB5-AA61 | |
| | 1 | | ● Black | XB5-AA22 | |
| | 1 | | ● Red | XB5-AA42 | |
| Flush | 1 | 1 | ○ White | XB5-AA15 | |
| | 1 | 1 | ● Black | XB5-AA25 | |
| | 1 | 1 | ● Green | XB5-AA35 | |
| | 1 | 1 | ● Red | XB5-AA45 | |
| | 1 | 1 | ● Yellow | XB5-AA55 | |
| | 1 | 1 | ● Blue | XB5-AA65 | |
| Convex | 1 | | ○ White | XB5-AL11 | |
| | 1 | | ● Black | XB5-AL21 | |
| | 1 | | ● Green | XB5-AL31 | |
| | 1 | | ● Yellow | XB5-AL51 | |
| | 1 | | ● Blue | XB5-AL61 | |
| | 1 | | ● Black | XB5-AL22 | |
| | 1 | | ● Red | XB5-AL42 | |
| Booted Flush button with clear silicone IP65 | 1 | | ○ White | XB5-AP11 | |
| | 1 | | ● Black | XB5-AP21 | |
| | 1 | | ● Green | XB5-AP31 | |
| | 1 | | ● Yellow | XB5-AP51 | |
| | 1 | | ● Blue | XB5-AP61 | |
| | 1 | | ● Red | XB5-AP42 | |
| Mushroom head ϕ 40mm | 1 | | ● Black | XB5-AC21 | |
| | 1 | | ● Green | XB5-AC31 | |
| | 1 | | ● Yellow | XB5-AC51 | |
| | 1 | | ● Blue | XB5-AC61 | |
| | 1 | | ● Red | XB5-AC42 | |
| Mushroom head ϕ 60mm | 1 | | ● Black | XB5-AR21 | |
| | 1 | | ● Green | XB5-AR31 | |
| | 1 | | ● Red | XB5-AR42 | |

XB5

Plastic Pushbutton Switch ϕ 22mm

LEAGLO

Spring return pushbutton with function symbols on button



XB5-AA3311



XB5-AL4322

| Description | Contact | | Color | Model | Dimension |
|-------------|---------|----|-------------|------------|-----------|
| | NO | NC | | | |
| Flush | 1 | | Green | XB5-AA3311 | |
| | 1 | | White | XB5-AA3341 | |
| | 1 | | Black | XB5-AA3351 | |
| | 1 | | Green | XB5-AA3361 | |
| | 1 | | Green Start | XB5-AA5331 | |
| | 1 | | Black Start | XB5-AA5321 | |
| | 1 | | Red | XB5-AA4322 | |
| Convex | 1 | | Red Stop | XB5-AA4342 | |
| | 1 | | Green | XB5-AL3311 | |
| | 1 | | Green | XB5-AL3361 | |
| | 1 | | White | XB5-AL3341 | |
| | 1 | | Black | XB5-AL3351 | |
| | 1 | | Red | XB5-AL4322 | |
| | 1 | | Red Stop | XB5-AL4342 | |

Latching mushroom head "emergency stop" pushbutton



XB5-AT42



XB5-AS542



XB5-AS142

| Description | Contact | | Mushroom diameter | Model | Dimension |
|------------------------------|---------|----|-------------------|-----------|-----------|
| | NO | NC | | | |
| Push-pull Red | | 1 | ϕ 40 | XB5-AT42 | |
| | 1 | 1 | ϕ 40 | XB5-AT45 | |
| Turn to release Red | | 1 | ϕ 40 | XB5-AS542 | |
| | 1 | 1 | ϕ 40 | XB5-AS545 | |
| Key release (key n° 455) Red | | 1 | ϕ 40 | XB5-AS142 | |
| | 1 | 1 | ϕ 40 | XB5-AS145 | |

XB5

Plastic Pushbutton Switch ϕ 22mm

LEAGLO

Selector switch



XB5-AD33



XB5-AJ53

| Operator | Description | Position | Contact | | Model | Dimension |
|-----------------|--|----------|---------|----|----------|-----------|
| | | | NO | NC | | |
| Standard handle | 2 Position stay put | ∇ | 1 | | XB5-AD21 | |
| | | | 1 | 1 | XB5-AD25 | |
| | 2 Position 1 spring return from right to left | ∇ | 1 | | XB5-AD41 | |
| | | | 1 | 1 | XB5-AD45 | |
| | 3 Position stay put | ∇ | 2 | | XB5-AD33 | |
| | | | 2 | | XB5-AD53 | |
| Long handle | 3 Position 2 spring return to centre position | ∇ | 2 | | XB5-AD73 | |
| | | | 2 | | XB5-AD83 | |
| | 2 Position stay put | ∇ | 1 | | XB5-AJ21 | |
| | | | 1 | 1 | XB5-AJ25 | |
| | 2 Position 1 Spring return from right to left | ∇ | 1 | | XB5-AJ41 | |
| | | | 1 | 1 | XB5-AJ45 | |
| | 3 Position stay put | ∇ | 2 | | XB5-AJ33 | |
| | | | 2 | | XB5-AJ53 | |
| | 3 Position 2 spring return to centre position | ∇ | 2 | | XB5-AJ73 | |
| | | | 2 | | XB5-AJ83 | |
| | 3 Position 1 spring return from left to centre position | ∇ | | | | |
| | 3 Position 1 spring return from right to centre position | ∇ | | | | |

Key switch (Ronis key n° 455)



XB5-AG21



XB5-AG33

| Description | Position | Contact | | Key removal | Model | Dimension |
|---|----------|---------|----|--------------------|----------|-----------|
| | | NO | NC | | | |
| 2 Position stay put | ∇ | 1 | | LH position | XB5-AG21 | |
| | | 1 | 1 | LH position | XB5-AG25 | |
| | ∇ | 1 | | LH and RH position | XB5-AG41 | |
| | | 1 | 1 | LH and RH position | XB5-AG45 | |
| 2 Position 1 spring return from right to left | ∇ | 1 | | LH position | XB5-AG61 | |
| | | 1 | 1 | LH position | XB5-AG65 | |
| 3 Position stay put | ∇ | 2 | | Centre position | XB5-AG33 | |
| | | 2 | | LH and RH position | XB5-AG53 | |
| | | 2 | | All position | XB5-AG03 | |
| 3 Position 2 spring return to centre position | ∇ | 2 | | Centre position | XB5-AG73 | |

Position O, I, II are for operator viewed from front.

Remarks: ∇ stay put, ∇ spring return, ⌘ key pull out

XB5

Plastic Pushbutton Switch ϕ 22mm

LEAGLO

Illuminated selector switches with standard handle, with integral LED



XB5-AK133M5



XB5-AK125M1



XB5-AK134M1

| Description | Positions | Supply Voltage | Contact | | Color | Model | Dimension |
|--|-----------------------------|------------------|---------|----|----------|-------------|-----------|
| | | | NO | NC | | | |
| Standard handle Direct supply LED supplied | 2-position Stay put V | ≈ 24 | 1 | 1 | ○ White | XB5-AK121B5 | |
| | | | 1 | 1 | ● Green | XB5-AK123B5 | |
| | | | 1 | 1 | ● Red | XB5-AK124B5 | |
| | | | 1 | 1 | ● Orange | XB5-AK125B5 | |
| | | | 1 | 1 | ● Blue | XB5-AK126B5 | |
| | | $\sim 48...120$ | 1 | 1 | ○ White | XB5-AK121G5 | |
| | | | 1 | 1 | ● Green | XB5-AK123G5 | |
| | | | 1 | 1 | ● Red | XB5-AK124G5 | |
| | | | 1 | 1 | ● Orange | XB5-AK125G5 | |
| | | | 1 | 1 | ● Blue | XB5-AK126G5 | |
| | 3-position Stay put V | $\sim 230...240$ | 1 | 1 | ○ White | XB5-AK121M5 | |
| | | | 1 | 1 | ● Green | XB5-AK123M5 | |
| | | | 1 | 1 | ● Red | XB5-AK124M5 | |
| | | | 1 | 1 | ● Orange | XB5-AK125M5 | |
| | | | 1 | 1 | ● Blue | XB5-AK126M5 | |
| | | ≈ 24 | 2 | 0 | ● Green | XB5-AK133B3 | |
| | | | 1 | 1 | ○ White | XB5-AK131B5 | |
| | | | 1 | 1 | ● Green | XB5-AK133B5 | |
| | | | 1 | 1 | ● Red | XB5-AK134B5 | |
| | | | 1 | 1 | ● Orange | XB5-AK135B5 | |
| | | $\sim 48...120$ | 1 | 1 | ● Blue | XB5-AK136B5 | |
| | | | 2 | 0 | ● Green | XB5-AK133G3 | |
| | | | 1 | 1 | ○ White | XB5-AK131G5 | |
| | | | 1 | 1 | ● Green | XB5-AK133G5 | |
| | | | 1 | 1 | ● Red | XB5-AK134G5 | |
| | | $\sim 230...240$ | 1 | 1 | ● Orange | XB5-AK135G5 | |
| | | | 1 | 1 | ● Blue | XB5-AK136G5 | |
| | | | 2 | 0 | ● Green | XB5-AK133M3 | |
| | | | 1 | 1 | ○ White | XB5-AK131M5 | |
| | | | 1 | 1 | ● Green | XB5-AK133M5 | |
| | | | 1 | 1 | ● Red | XB5-AK134M5 | |
| | | | 1 | 1 | ● Orange | XB5-AK135M5 | |
| | | | 1 | 1 | ● Blue | XB5-AK136M5 | |

XB5

Plastic Pushbutton Switch ϕ 22mm

LEAGLO

Illuminated pushbutton with flush pushbutton



XB5-AW3361



XB5-AW3461



XB5-AW35M1

| Description | Scheme | Supply Voltage | Contact | Color | Model | Dimension |
|--|--|------------------|--|----------|------------|-----------|
| | | | <div> <div>NO</div> <div>NC</div> </div> | | | |
| Direct bulb supplied Neon (BA 9s) LED | <div> <div>x1</div> <div> <div> <div></div> <div></div> </div> </div> <div>x2</div> </div> | 130V 220~240V | 1 | ○ White | XB5-AW3161 | |
| | | | 1 | ● Green | XB5-AW3361 | |
| | | | 1 | ● Red | XB5-AW3461 | |
| | | | 1 | ● Yellow | XB5-AW3561 | |
| | | | 1 | ● Blue | XB5-AW3661 | |
| | | | 1 | ● Red | XB5-AW3462 | |
| Direct supply for bulb with BA 9s base fitting supplied 2.4W max | | ≤ 250 | 1 1 | ○ White | XB5-AW3165 | |
| | | | 1 1 | ● Green | XB5-AW3365 | |
| | | | 1 1 | ● Red | XB5-AW3465 | |
| | | | 1 1 | ● Orange | XB5-AW3565 | |
| Integral LED | | ≈ 24 | 1 1 | ○ White | XB5-AW31B5 | |
| | | | 1 1 | ● Green | XB5-AW33B5 | |
| | | | 1 1 | ● Red | XB5-AW34B5 | |
| | | | 1 1 | ● Orange | XB5-AW35B5 | |
| | | | 1 1 | ● Blue | XB5-AW36B5 | |
| | | $\sim 48...120$ | 1 1 | ○ White | XB5-AW31G5 | |
| | | | 1 1 | ● Green | XB5-AW33G5 | |
| | | | 1 1 | ● Red | XB5-AW34G5 | |
| | | | 1 1 | ● Orange | XB5-AW35G5 | |
| | | | 1 1 | ● Blue | XB5-AW36G5 | |
| | | $\sim 230...240$ | 1 1 | ○ White | XB5-AW31M5 | |
| | | | 1 1 | ● Green | XB5-AW33M5 | |
| | | | 1 1 | ● Red | XB5-AW34M5 | |
| | | | 1 1 | ● Orange | XB5-AW35M5 | |
| | | | 1 1 | ● Blue | XB5-AW36M5 | |

★ Bulb types for use with direct supply: BA 9s, base fitting-Incandescent bulb $U \leq 130V$, max. power 2.6W. Neon bulb $110V \leq U \leq 380V$, LED sources, max. ϕ 11mm, max. length 28mm.

XB5

Plastic Pushbutton Switch ϕ 22mm

LEAGLO

Pilot light with BA9s base fitting, with plain lens



XB5-AV63

| Description | Scheme | Supply Voltage | Color | Model | Dimension |
|---|--------|-----------------------------|--|---|-----------|
| Direct bulb included BA 9s base fitting Neon (BA 9s) LED | | 130V 220~240V 50~60Hz | <div>○ White</div> <div>● Green</div> <div>● Red</div> <div>● Yellow</div> <div>● Blue</div> | <div>XB5-AV61</div> <div>XB5-AV63</div> <div>XB5-AV64</div> <div>XB5-AV65</div> <div>XB5-AV66</div> | |

Pilot light with integral LED



XB5-AVB5



XB5-AVG4



XB5-AVM6

| Supply Voltage | Color | Model | Dimension |
|----------------|--|---|-----------|
| ≈ 24 | <div>○ White</div> <div>● Green</div> <div>● Red</div> <div>● Orange</div> <div>● Blue</div> | <div>XB5-AVB1</div> <div>XB5-AVB3</div> <div>XB5-AVB4</div> <div>XB5-AVB5</div> <div>XB5-AVB6</div> | |
| ~ 48...120 | ○ White | XB5-AVG1 | |
| | ● Green | XB5-AVG3 | |
| | ● Red | XB5-AVG4 | |
| | ● Orange | XB5-AVG5 | |
| | ● Blue | XB5-AVG6 | |
| ~ 230...240 | ○ White | XB5-AVM1 | |
| | ● Green | XB5-AVM3 | |
| | ● Red | XB5-AVM4 | |
| | ● Orange | XB5-AVM5 | |
| | ● Blue | XB5-AVM6 | |

- (1) Only for use with bodies comprising a light source with integral LED.
- (2) Head supplied with 5 different coloured lenses(white,green,red,orange,blue)not fitted,for insertion of legend.
- (3) For use in bright ambient light conditions(outdoors in sunlight, for example).

XB5

Plastic Pushbutton Switch ϕ 22mm

LEAGLO

Double-headed pushbutton



XB5-AL8325



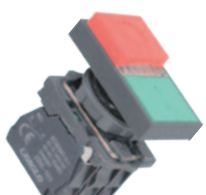
XB5-AL9325

| Description | Contact | Sealing boot | Degree of protection | Color | Model | Dimension |
|--|---------|--------------|----------------------|-----------------------|------------|-----------|
| | NO NC | | | | | |
| Without pilot light 1 flush green pushbutton 1 flush red pushbutton | 1 1 | Without | IP40 | Green Red | XB5-AL8325 | |
| Without pilot light 1 flush green pushbutton 1 convex red pushbutton | 1 1 | Without | IP40 | Green Red | XB5-AL8425 | |
| Without pilot light 1 flush green pushbutton 1 flush red pushbutton | 1 1 | With | IP65 | White Green Red | XB5-AL9325 | |
| Without pilot light 1 flush green pushbutton 1 convex red pushbutton | 1 1 | With | IP65 | White Green Red | XB5-AL9425 | |

Double-headed pushbutton with integral LED



XB5-AW83B5









XB5-AW84B5







| Description | Contact | Supply voltage | Color | Model | Dimension |
|--|---------|------------------|--------------|-------------|-----------|
| | NO NC | | | | |
| With pilot light 1 flush green pushbutton 1 pilot light with yellow lens Direct supply \leq 380V LED supplied 1 flush red pushbutton IP40 | 1 1 | \approx 24 | Green Red | XB5-AW83B5 | |
| | 1 1 | \sim 48...120 | Green Red | XB5-AW83G5 | |
| | 1 1 | \sim 230...240 | Green Red | XB5-AW83M5 | |
| With pilot light 1 flush green pushbutton 1 pilot light with yellow lens Direct supply \leq 380V LED supplied 1 convex red pushbutton IP40 | 1 1 | \approx 24 | Green Red | XB5-AW84B5 | |
| | 1 1 | \sim 48...120 | Green Red | XB5-AW84G5 | |
| | 1 1 | \sim 230...240 | Green Red | XXB5-AW84M5 | |

XB4/XB5

Contact Block

LEAGLO

| | Description | Contact | | Model |
|--|---|---------|----|-----------|
| | | NO | NC | |
|  ZBE-101 | Contact block | 1 | | ZBE-101 |
|  ZBE-102 | Contact block | 1 | | ZBE-102 |
|  ZB4-BZ009 | Metal bracket | | | ZB4-BZ009 |
|  ZB4-BW06 | Bottom seat of button with lamp Direct Type Neon (BA 9s) LED | | | ZB4-BW06 |
|  ZB4-BZ101 | Metal bracket+ contact block | 1 | | ZB4-BZ101 |
| | | 1 | | ZB4-BZ102 |
| | | 2 | | ZB4-BZ103 |
| | | 2 | | ZB4-BZ104 |
|  ZB4-BZ103 | | 1 | 1 | ZB4-BZ105 |

| | Description | Contact | | Model |
|--|---|---------|----|-----------|
| | | NO | NC | |
|  ZB4-EV6L | Contact block with lamp Direct Type LED | | | ZB5-EV6L |
|  ZB4-EV06L | Contact block with lamp Direct Type Neon (BA 9s) LED | | | ZB5-EV06L |
|  ZB4-AZ009 | Plastic bracket | | | ZB5-AZ009 |
|  ZB4-EW06 | Bottom seat of button with lamp Direct Type Neon (BA 9s) LED | | | ZB5-EW06 |
|  ZB5-AZ101 | Plastic bracket+ contact block | 1 | | ZB5-AZ101 |
| | | 1 | | ZB5-AZ102 |
| | | 2 | | ZB5-AZ103 |
| | | 2 | | ZB5-AZ104 |
|  ZB5-AZ105 | | 1 | 1 | ZB5-AZ105 |

XB4

Metal Pushbutton head

LEAGLO



ZB4-BA4



ZB4-BL3



ZB4-BP3



ZB4-BA335



ZB4-BL331



ZB4-BC4

| Description | Sign | Color | Model |
|---|-------|---------------|-----------|
| Flush button | | ○ White | ZB4-BA1 |
| | | ● Black | ZB4-BA2 |
| | | ● Green | ZB4-BA3 |
| | | ● Red | ZB4-BA4 |
| | | ● Yellow | ZB4-BA5 |
| | | ● Blue | ZB4-BA6 |
| Convex button | | ○ White | ZB4-BL1 |
| | | ● Black | ZB4-BL2 |
| | | ● Green | ZB4-BL3 |
| | | ● Red | ZB4-BL4 |
| | | ● Yellow | ZB4-BL5 |
| | | ● Blue | ZB4-BL6 |
| Booted flush button with clear silicone | | ○ White | ZB4-BP1 |
| | | ● Black | ZB4-BP2 |
| | | ● Green | ZB4-BP3 |
| | | ● Red | ZB4-BP4 |
| | | ● Yellow | ZB4-BP5 |
| | | ● Blue | ZB4-BP6 |
| Flush pushbutton with function marked on button | | ① Green | ZB4-BA331 |
| | | ② Green | ZB4-BA336 |
| | | ① White | ZB4-BA334 |
| | | ① Black | ZB4-BA335 |
| | Stop | ● Red | ZB4-BA432 |
| | | ● Red | ZB4-BA434 |
| | Start | ● Green | ZB4-BA533 |
| | | ● Black | ZB4-BA532 |
| Convex button head marked | | ① Green | ZB4-BL331 |
| | | ② Green | ZB4-BL336 |
| | | ① White | ZB4-BL334 |
| | | ① Black | ZB4-BL335 |
| | Stop | ● Red | ZB4-BL432 |
| | | ● Red | ZB4-BL434 |
| | Start | ● Green | ZB4-BL533 |
| | | ● Black | ZB4-BL532 |
| Mushroom head spring return | | φ 40 ● Black | ZB4-BC2 |
| | | φ 40 ● Green | ZB4-BC3 |
| | | φ 40 ● Red | ZB4-BC4 |
| | | φ 40 ● Yellow | ZB4-BC5 |
| | | φ 40 ● Blue | ZB4-BC6 |



ZB4-BR4



ZB4-BT4



ZB4-BS54



ZB4-BS14

| Description | Sign | Color | Model |
|--|------|----------|----------|
| Mushroom head spring return | φ 60 | ● Black | ZB4-BR2 |
| | φ 60 | ● Green | ZB4-BR3 |
| | φ 60 | ● Red | ZB4-BR4 |
| | φ 60 | ● Yellow | ZB4-BR5 |
| | φ 60 | ● Blue | ZB4-BR6 |
| Mushroom head Push-Pull | φ 40 | ● Red | ZB4-BT4 |
| Mushroom head turn to release | φ 30 | ● Red | ZB4-BS44 |
| | φ 40 | ● Red | ZB4-BS54 |
| | φ 60 | ● Red | ZB4-BS64 |
| Mushroom head Key release Ronis key n° 455 | φ 40 | ● Red | ZB4-BS14 |



ZB4-BD2



ZB4-BJ2

| Operator | Description | Position | Model |
|-----------------|--|----------|---------|
| Standard handle | 2 Position stay put | ∨ | ZB4-BD2 |
| | 2 Position 1 spring return from right to left | ∧ | ZB4-BD4 |
| | 3 Position stay put | ∨ | ZB4-BD3 |
| | 3 Position 2 spring return to centre position | ∧ | ZB4-BD5 |
| | 3 Position 1 spring return from left to centre position | ∧ | ZB4-BD7 |
| | 3 Position 1 spring return from right to centre position | ∧ | ZB4-BD8 |
| | 2 Position stay put | ∨ | ZB4-BJ2 |
| | 2 Position 1 Spring return from right to left | ∧ | ZB4-BJ4 |
| Long handle | 3 Position stay put | ∨ | ZB4-BJ3 |
| | 3 Position 2 spring return to centre position | ∧ | ZB4-BJ5 |
| | 3 Position 1 spring return from left to centre position | ∧ | ZB4-BJ7 |
| | 3 Position 1 spring return from right to centre position | ∧ | ZB4-BJ8 |

XB4

Metal Pushbutton head

LEAGLO



ZB4-BG2

| Description | Position | Key removal | Model |
|---|----------|--------------------|---------|
| 2 Position stay put | | LH position | ZB4-BG2 |
| | | LH and RH position | ZB4-BG4 |
| 2 Position 1 spring return from right to left | | LH position | ZB4-BG6 |
| 3 Position stay put | | Centre position | ZB4-BG3 |
| | | LH and RH position | ZB4-BG5 |
| | | All position | ZB4-BG0 |
| 3 Position 2 spring return to centre position | | Centre position | ZB4-BG7 |



ZB4-BV03



ZB4-BW36

| Description | Color | Model |
|--|----------|----------|
| Pilot light | ○ White | ZB4-BV01 |
| | ● Green | ZB4-BV03 |
| | ● Red | ZB4-BV04 |
| | ● Yellow | ZB4-BV05 |
| | ● Blue | ZB4-BV06 |
| Illuminated pushbutton with flush button | ○ White | ZB4-BW31 |
| | ● Green | ZB4-BW33 |
| | ● Red | ZB4-BW34 |
| | ● Yellow | ZB4-BW35 |
| | ● Blue | ZB4-BW36 |



ZB4-BK1233

| Description | Position | Color | Model |
|--|----------|----------|------------|
| Selector switch standard handle 2-position | | ○ White | ZB4-BK1213 |
| | | ● Green | ZB4-BK1233 |
| | | ● Red | ZB4-BK1243 |
| | | ● Yellow | ZB4-BK1253 |
| | | ● Blue | ZB4-BK1263 |
| Spring return from right to left | | ○ White | ZB4-BK1413 |
| | | ● Green | ZB4-BK1433 |
| | | ● Red | ZB4-BK1443 |
| | | ● Yellow | ZB4-BK1453 |
| | | ● Blue | ZB4-BK1463 |
| Selector switch standard handle 3-position | | ○ White | ZB4-BK1313 |
| | | ● Green | ZB4-BK1333 |
| | | ● Red | ZB4-BK1343 |
| | | ● Yellow | ZB4-BK1353 |
| | | ● Blue | ZB4-BK1363 |
| Spring return to centre | | ○ White | ZB4-BK1513 |
| | | ● Green | ZB4-BK1533 |
| | | ● Red | ZB4-BK1543 |
| | | ● Yellow | ZB4-BK1553 |
| | | ● Blue | ZB4-BK1563 |
| Spring return from right to centre | | ○ White | ZB4-BK1813 |
| | | ● Green | ZB4-BK1833 |
| | | ● Red | ZB4-BK1843 |
| | | ● Yellow | ZB4-BK1853 |
| | | ● Blue | ZB4-BK1863 |
| Spring return from left to centre | | ○ White | ZB4-BK1713 |
| | | ● Green | ZB4-BK1733 |
| | | ● Red | ZB4-BK1743 |
| | | ● Yellow | ZB4-BK1753 |
| | | ● Blue | ZB4-BK1763 |



ZB4-BL83



ZB4-BL93



ZB4-BW84

| Description | Sign | Color | Model |
|--|------|--|------------------------------|
| Double-headed 1 flush green button 1 flush red button unmarked | IP40 | <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; background-color: green; margin-right: 5px;"></div> Green </div> <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; background-color: red; margin-right: 5px;"></div> Red </div> | ZB4-BL83 |
| | | <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; border: 1px solid black; background-color: white; margin-right: 5px;"></div> White </div> <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; background-color: green; margin-right: 5px;"></div> Green </div> <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; background-color: red; margin-right: 5px;"></div> Red </div> | ZB4-BL93 (with Sealing boot) |
| Double-headed 1 flush green button 1 convex red button marked | IP40 | <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; background-color: green; margin-right: 5px;"></div> Green </div> <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; background-color: red; margin-right: 5px;"></div> Red </div> | ZB4-BL84 |
| | | <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; border: 1px solid black; background-color: white; margin-right: 5px;"></div> White </div> <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; background-color: green; margin-right: 5px;"></div> Green </div> <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; background-color: red; margin-right: 5px;"></div> Red </div> | ZB4-BL94 (with Sealing boot) |
| Double-headed 1 flush green button 1 flush red button unmarked | | <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; background-color: green; margin-right: 5px;"></div> Green </div> <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; background-color: red; margin-right: 5px;"></div> Red </div> | ZB4-BW83 |
| | | <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; background-color: green; margin-right: 5px;"></div> Green </div> <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; background-color: red; margin-right: 5px;"></div> Red </div> | ZB4-BW84 |

XB5

Plastic Pushbutton head

LEAGLO



ZB5-AA4



ZB5-AL4



ZB5-AP3



ZB5-AA331



ZB5-AL432



ZB5-AC4

| Description | Sign | Color | Model |
|---|-------|---------------|-----------|
| Flush button | | ○ White | ZB5-AA1 |
| | | ● Black | ZB5-AA2 |
| | | ● Green | ZB5-AA3 |
| | | ● Red | ZB5-AA4 |
| | | ● Yellow | ZB5-AA5 |
| | | ● Blue | ZB5-AA6 |
| Convex button | | ○ White | ZB5-AL1 |
| | | ● Black | ZB5-AL2 |
| | | ● Green | ZB5-AL3 |
| | | ● Red | ZB5-AL4 |
| | | ● Yellow | ZB5-AL5 |
| | | ● Blue | ZB5-AL6 |
| Booted flush button with clear silicone | | ○ White | ZB5-AP1 |
| | | ● Black | ZB5-AP2 |
| | | ● Green | ZB5-AP3 |
| | | ● Red | ZB5-AP4 |
| | | ● Yellow | ZB5-AP5 |
| | | ● Blue | ZB5-AP6 |
| Flush pushbutton with function marked on button | | ① Green | ZB5-AA331 |
| | | ② Green | ZB5-AA336 |
| | | ① White | ZB5-AA334 |
| | | ① Black | ZB5-AA335 |
| | Stop | ● Red | ZB5-AA432 |
| | | ● Red | ZB5-AA434 |
| | Start | ● Green | ZB5-AA533 |
| | | ● Black | ZB5-AA532 |
| Convex button head marked | | ① Green | ZB5-AL331 |
| | | ② Green | ZB5-AL336 |
| | | ① White | ZB5-AL334 |
| | | ① Black | ZB5-AL335 |
| | Stop | ● Red | ZB5-AL432 |
| | | ● Red | ZB5-AL432 |
| | | ● Red | ZB5-AL432 |
| | | ● Red | ZB5-AL432 |
| Mushroom head spring return | | φ 40 ● Black | ZB5-AC2 |
| | | φ 40 ● Green | ZB5-AC3 |
| | | φ 40 ● Red | ZB5-AC4 |
| | | φ 40 ● Yellow | ZB5-AC5 |
| | | φ 40 ● Blue | ZB5-AC6 |
| | | | |



ZB5-AR4



ZB5-AT4



ZB5-AS54



ZB5-AS14

| Description | Sign | Color | Model |
|--|------|----------|----------|
| Mushroom head spring return | φ 60 | ● Black | ZB5-AR2 |
| | φ 60 | ● Green | ZB5-AR3 |
| | φ 60 | ● Red | ZB5-AR4 |
| | φ 60 | ● Yellow | ZB5-AR5 |
| | φ 60 | ● Blue | ZB5-AR6 |
| Mushroom head Push-Pull | φ 40 | ● Red | ZB5-AT4 |
| Mushroom head turn to release | φ 30 | ● Red | ZB5-AS44 |
| | φ 40 | ● Red | ZB5-AS54 |
| | φ 60 | ● Red | ZB5-AS64 |
| Mushroom head Key release Ronis key n° 455 | φ 40 | ● Red | ZB5-AS14 |



ZB5-AD2



ZB5-AJ2

| Operator | Description | Position | Model |
|-----------------|--|----------|---------|
| Standard handle | 2 Position stay put | ∨ | ZB5-AD2 |
| | 2 Position 1 spring return from right to left | ∧ | ZB5-AD4 |
| | 3 Position stay put | ∨ | ZB5-AD3 |
| | 3 Position 2 spring return to centre position | ∧ | ZB5-AD5 |
| | 3 Position 1 spring return from left to centre position | ∧ | ZB5-AD7 |
| | 3 Position 1 spring return from right to centre position | ∧ | ZB5-AD8 |
| | 2 Position stay put | ∨ | ZB5-AJ2 |
| | 2 Position 1 Spring return from right to left | ∧ | ZB5-AJ4 |
| Long handle | 3 Position stay put | ∨ | ZB5-AJ3 |
| | 3 Position 2 spring return to centre position | ∧ | ZB5-AJ5 |
| | 3 Position 1 spring return from left to centre position | ∧ | ZB5-AJ7 |
| | 3 Position 1 spring return from right to centre position | ∧ | ZB5-AJ8 |

XB5

Plastic Pushbutton head

LEAGLO



ZB5-AG2

| Description | Position | Key removal | Model |
|--|----------|--------------------|---------|
| 2 Position stay put | | LH position | ZB5-AG2 |
| | | LH and RH position | ZB5-AG4 |
| 2 Position 1 spring return from right to left | | LH position | ZB5-AG6 |
| 3 Position stay put | | Centre position | ZB5-AG3 |
| | | LH and RH position | ZB5-AG5 |
| | | All position | ZB5-AG0 |
| 3 Position 2 spring return to centre position | | Centre position | ZB5-AG7 |



ZB5-AV04



ZB5-AW33

| Description | Color | Model |
|---|----------|----------|
| Pilot light | ○ White | ZB5-AV01 |
| | ● Green | ZB5-AV03 |
| | ● Red | ZB5-AV04 |
| | ● Yellow | ZB5-AV05 |
| | ● Blue | ZB5-AV06 |
| Illuminated pushbutton with flush button | ○ White | ZB5-AW31 |
| | ● Green | ZB5-AW33 |
| | ● Red | ZB5-AW34 |
| | ● Yellow | ZB5-AW35 |
| | ● Blue | ZB5-AW36 |



ZB5-AK1233

| Description | Position | Color | Model |
|--|----------|----------|------------|
| Selector switch standard handle 2-position | | ○ White | ZB5-AK1213 |
| | | ● Green | ZB5-AK1233 |
| | | ● Red | ZB5-AK1243 |
| | | ● Yellow | ZB5-AK1253 |
| | | ● Blue | ZB5-AK1263 |
| Spring return from right to left | | ○ White | ZB5-AK1413 |
| | | ● Green | ZB5-AK1433 |
| | | ● Red | ZB5-AK1443 |
| | | ● Yellow | ZB5-AK1453 |
| | | ● Blue | ZB5-AK1463 |
| Selector switch standard handle 3-position | | ○ White | ZB5-AK1313 |
| | | ● Green | ZB5-AK1333 |
| | | ● Red | ZB5-AK1343 |
| | | ● Yellow | ZB5-AK1353 |
| | | ● Blue | ZB5-AK1363 |
| Spring return to centre | | ○ White | ZB5-AK1513 |
| | | ● Green | ZB5-AK1533 |
| | | ● Red | ZB5-AK1543 |
| | | ● Yellow | ZB5-AK1553 |
| | | ● Blue | ZB5-AK1563 |
| Spring return from right to centre | | ○ White | ZB5-AK1813 |
| | | ● Green | ZB5-AK1833 |
| | | ● Red | ZB5-AK1843 |
| | | ● Yellow | ZB5-AK1853 |
| | | ● Blue | ZB5-AK1863 |
| Spring return from left to centre | | ○ White | ZB5-AK1713 |
| | | ● Green | ZB5-AK1733 |
| | | ● Red | ZB5-AK1743 |
| | | ● Yellow | ZB5-AK1753 |
| | | ● Blue | ZB5-AK1763 |



ZB5-AL83



ZB5-AL93



ZB5-AW84

| Description | Sign | Color | Model |
|---|------|---|------------------------------------|
| Double- headed 1 flush green button 1 flush red button unmarked | IP40 | <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; background-color: green; margin-right: 5px;"></div> Green </div> <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; background-color: red; margin-right: 5px;"></div> Red </div> | ZB5-AL83 |
| | | <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; border: 1px solid black; background-color: white; margin-right: 5px;"></div> White </div> <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; background-color: green; margin-right: 5px;"></div> Green </div> <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; background-color: red; margin-right: 5px;"></div> Red </div> | ZB5-AL93 (with Sealing boot) |
| Double- headed 1 flush green button 1 convex red button marked | IP40 | <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; background-color: green; margin-right: 5px;"></div> Green </div> <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; border: 1px solid black; background-color: red; margin-right: 5px;"></div> Red </div> | ZB5-AL84 |
| | | <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; border: 1px solid black; background-color: white; margin-right: 5px;"></div> White </div> <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; background-color: green; margin-right: 5px;"></div> Green </div> <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; border: 1px solid black; background-color: red; margin-right: 5px;"></div> Red </div> | ZB5-AL94 (with Sealing boot) |
| Double- headed 1 flush green button 1 flush red button unmarked | | <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; background-color: green; margin-right: 5px;"></div> Green </div> <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; background-color: red; margin-right: 5px;"></div> Red </div> | ZB5-AW83 |
| | | <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; border: 1px solid black; background-color: green; margin-right: 5px;"></div> Green </div> <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; border: 1px solid black; background-color: red; margin-right: 5px;"></div> Red </div> | ZB5-AW84 |

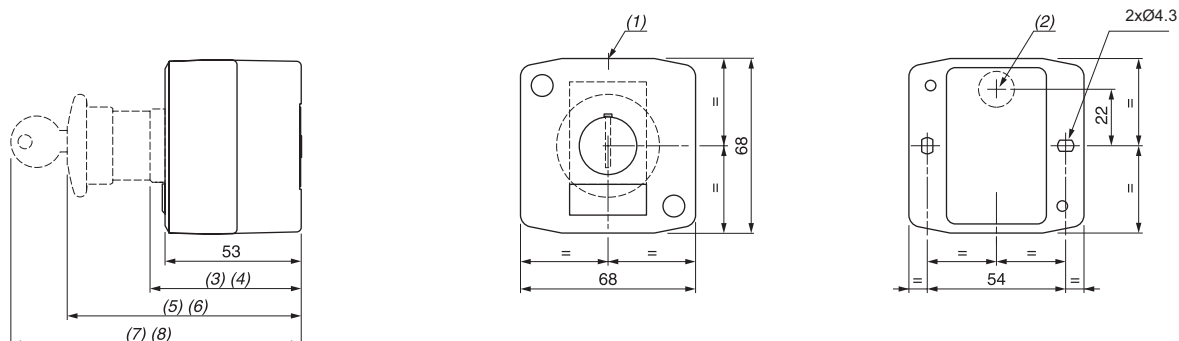
XB4 / XB5

Push Button Control Box

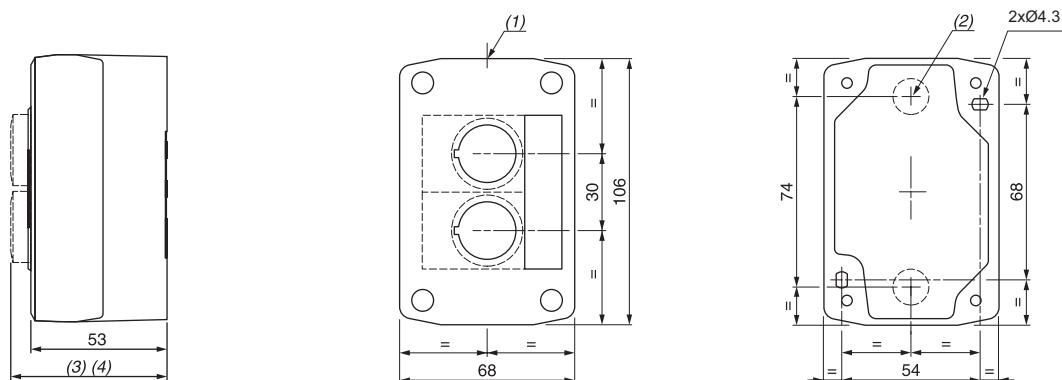
LEAGLO

Dimension

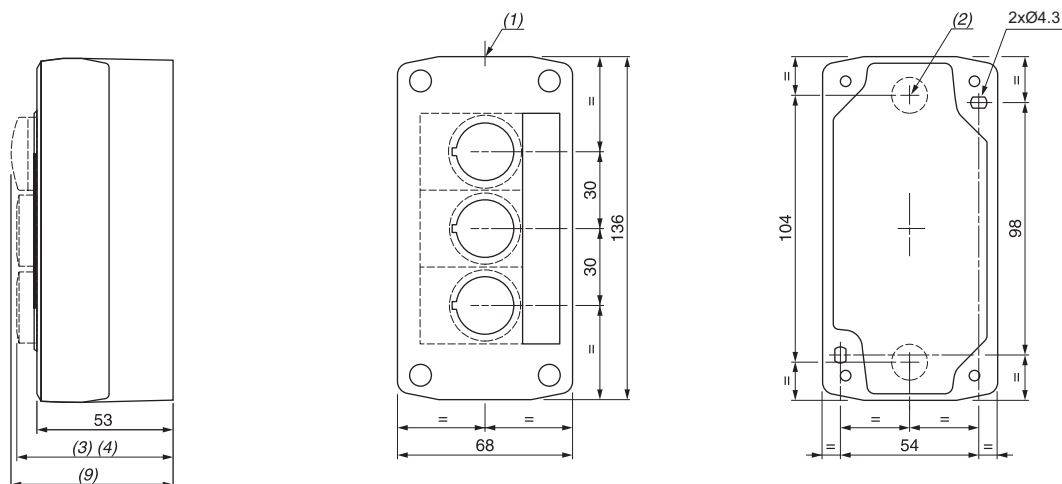
Singal hole XAL-D01



2 holes XAL-D02



3 holes XAL-D03



(1) 2 holes for connecting PG13.5 cable gland, max. 12mm cable.

(2) hole for max. 14mm cable

(3) 62mm for flush button

(4) 66mm for convex button

(5) 91mm for latching mushroom head emergency stop pushbutton

(6) 74mm for key switch

(7) 113mm for key spring return of latching mushroom head emergency stop pushbutton

(8) 96mm for key plug in of key switch

(9) 64mm for indicator

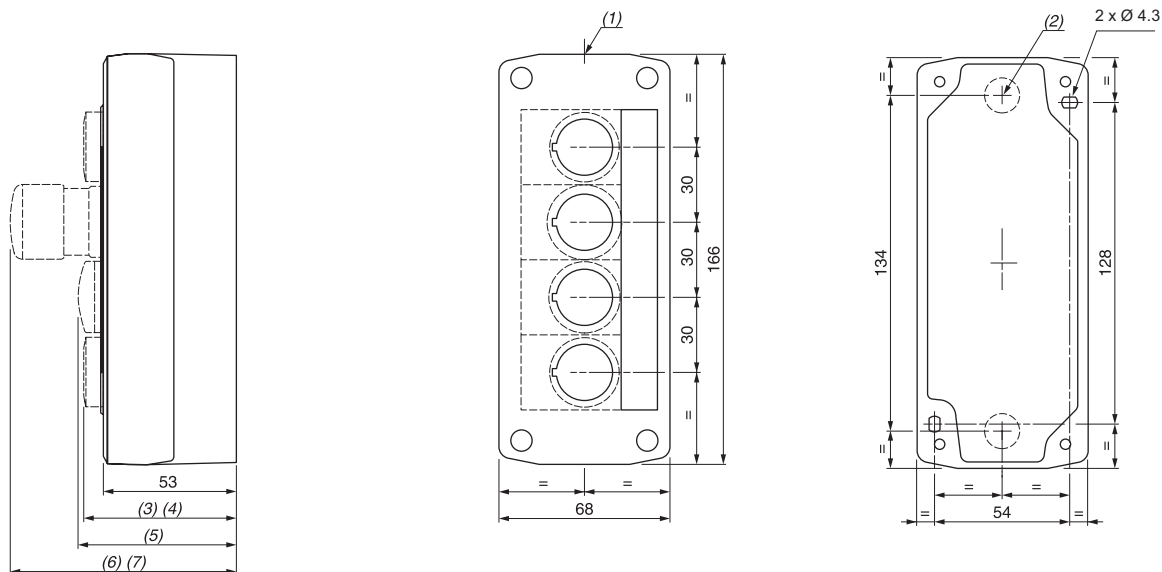
XB4 / XB5

Push Button Control Box

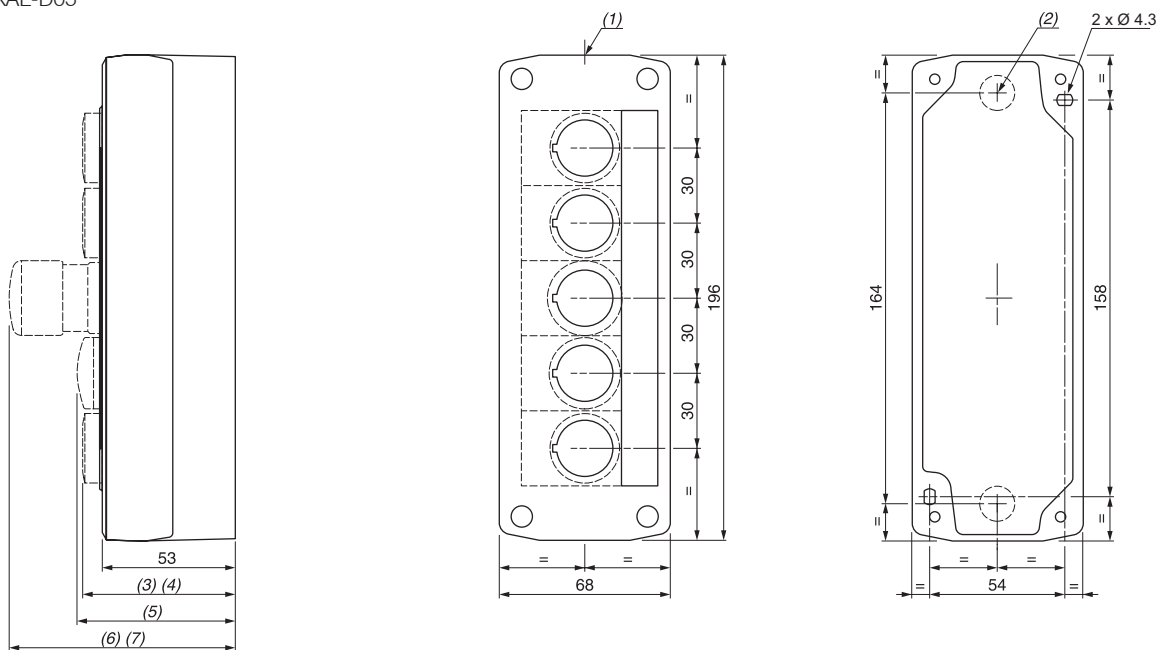
LEAGLO

Dimension

4 holes XAL-D04



5 holes XAL-D05



(1) 2 holes for connecting PG13.5 cable gland, max. 12mm cable.

(2) hole for max. 14mm cable

(3) 62mm for flush button

(4) 66mm for convex button

(5) 64mm for indicator

(6) 87mm for mushroom button

(7) 78mm for selector switch

XB4 / XB5

Push Button Control Box

LEAGLO

XAL-D Push Button Control Box



XAL-D101



XAL-D111



XAL-D132



XAL-D164



XAL-D174



XAL-D188

| Description | Symbol | Contact | | Model | Dimension |
|--|--------|---------|----|-------------|-----------|
| | | NO | NC | | |
| 1 green flush push button spring return IP40/54 | | 1 | | XAL-D101H29 | |
| | | 1 | | XAL-D102 | |
| | | 1 | | XAL-D103 | |
| | | 1 | | XAL-D101 | |
| 1 red flush push button spring return IP40/54 | | 1 | | XAL-D111H29 | |
| | | 1 | | XAL-D114 | |
| | | 1 | | XAL-D111 | |
| | | 1 | | XAL-D112 | |
| 1 selector switch 2-position stay put standard black handle IP40/54 | | 1 | | XAL-D132H29 | |
| | | 1 | | XAL-D134H29 | |
| | | 1 | | XAL-D132 | |
| 1 red mushroom head push button 40mm spring return IP40/54 | | 1 | | XAL-D164H29 | |
| | | 1 | | XAL-D164 | |
| 1 red mushroom head push button 40mm latching Turn to release IP40/54 | | 1 | | XAL-D174H29 | |
| | | 1 | | XAL-D174 | |
| 1 red mushroom head push button 40mm latching Key release (Key n° 455) IP40/54 | | 1 | | XAL-D188H29 | |
| | | 1 | | XAL-D188 | |

XB4 / XB5

Push Button Control Box

LEAGLO

XAL-D Push Button Control Box



XAL-D142



XAL-D213



XAL-D222



XAL-D363



XAL-D324



XAL-D339

| Description | Symbol | Contact | | Model | Dimension |
|--|--------|---------|----|-------------|-----------|
| | | NO | NC | | |
| 1 selector switch with key operated (Key n° 455) | | 1 | | XAL-D142H29 | |
| 2-position stay put IP40/54 | | 1 | | XAL-D142 | |
| 2 spring return push button | | 1 | 1 | XAL-D211H29 | |
| 1 flush green | | 1 | 1 | XAL-D213 | |
| 1 flush red IP40/54 | | 1 | 1 | XAL-D215 | |
| 2 spring return push buttons | | 2 | | XAL-D222 | |
| 1 flush white (black arrow) | | 2 | | XAL-D223 | |
| 1 flush black (white arrow) IP40/54 | | | | | |
| 1 red pilot light, Directly supplied ≤ 130V ★ | | 1 | 1 | XAL-D361H29 | |
| 2 spring return push buttons | | 1 | 1 | XAL-D363 | |
| 1 flush red | | 1 | 1 | XAL-D366 | |
| 1 flush green IP40/54 | | | | | |
| 3 spring return push buttons | | 2 | 1 | XAL-D324 | |
| 1 flush white (black arrow) | | 2 | 1 | XAL-D334 | |
| 1 flush red | | | | | |
| 1 flush black (white arrow) IP40/54 | | | | | |
| 3 spring return push buttons | | 2 | 1 | XAL-D311H29 | |
| 1 flush green | | 2 | 1 | XAL-D339 | |
| 1 flush red | | 2 | 1 | XAL-D321H29 | |
| 1 flush green IP40/54 | | 2 | 1 | XAL-D321 | |

Brief Introduction

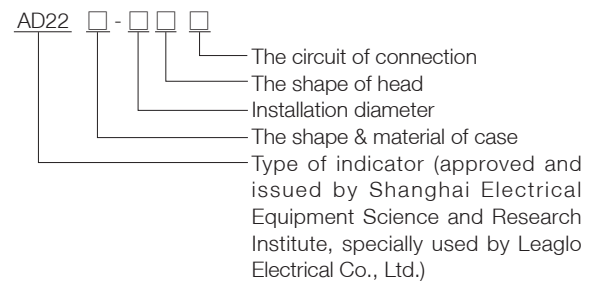
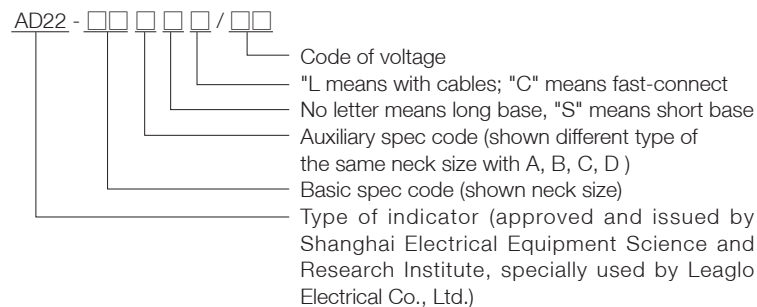
AD22(LED) series of indicator is equally used LED shining chip as light source. Because of long life, low consumption, small volume and light weight, it is a new type of product replaced the older incandescent lamp and indicator of neon lamp. AD22 indicators are produced by our factory enjoying following characters: high brightness, good reliability, beautiful shape and careful manufactured. Products are well praised by lots of clients. In order to fit in with top quality and aesthetic demand of user, we develop AD22-22B, C, D, E, G, H, double-color lamp,

position indicator, shining buzzer and mini short indicator, as well as design shape of AD22-22G/22GS series button and it is possible to meet all kinds of international standard lampshade, which is made of polycarbonate with high intension and enjoying better anti-surge performance, and bolt-type connector designed will make it safer and more convenient. All improvement will be provided to make your choice more convenient and your design perfect.

Use

AD22 series of indicators are used as indicating, foretelling, accident and other signals in the lines of equipment (such as electrical power telecommunication, machine tool, watercraft, textile, printing and mine machinery, etc).

Model Designation



Applicable environment

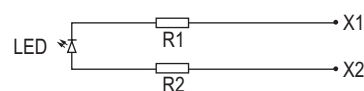
- (1) Surrounding temperature: -25℃ ~+55℃
- (2) Relative humidity ≤ 98%.
- (3) It can normally work under the conditions of 2-80Hz vibration frequency and 0.7g/h accelerated speed.
- (4) Pollution grade: III; Installed sort: III.
- (5) It is possible to work under the moist tropical environment if there is a "TH" sign.

Main technical characteristics

- (1) Voltage of working frequency: 2.5kV (AC valid value), 1 min.
- (2) Insulated resistance ≥ 2MΩ
- (3) Voltage wave allowed by AC indicator ± 20%
- (4) Continual working life ≥ 30000h
- (5) Brightness ≥ 60cd/m²
- (6) Index of leakage CT1 ≥ 100
- (7) Protection of degree is IP40, and it is possible to be made to up to IP67
- (8) Using frequency: AC50-60 Hz

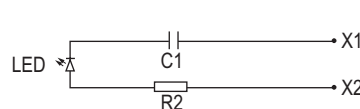
Circuit Introduction

(1) AC and DC indicator(AC/DC6V~220V)

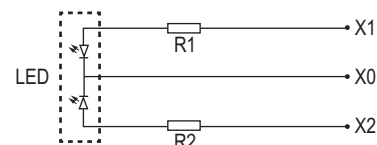


Note: It should be considered radiating condition When DC is up to 110V, 220V and 380V for there is a great of heat.

(2) AC indicator (AC220V, AC380V)



(3) Return of double-color indicator (DC, AC110~220V)



Note: When put through X0 and X1, lamp is shining green, when done X0 and X2, lamp is shining red.

Contrast list of voltage, current

| Supply Voltage | AC.DC | | | | | | | DC | FD | | AC | |
|----------------|-------|-----|-------|-----|-----|------|------|------|------|------|------|------|
| Voltage | 6V | 12V | 24V | 36V | 48V | 110V | 127V | 220V | 380V | 500V | 200V | 380V |
| Current | 140 | 72 | 18~72 | 18 | 18 | 16 | 16 | 12 | 12 | 12 | 16 | 17 |

AD22

Indicator

LEAGLO



AD22-16DS



AD22-16D



AD22-22DS



AD22-22D

| Description | Voltage | Color | Model | Dimension |
|-------------------------------|------------|----------|------------|-----------|
| Protected LED Indicator | 24V AC/DC | ● Red | AD22-16DS | |
| | 36V AC/DC | | | |
| | 48V AC/DC | ● Green | | |
| | 110V AC | ● Yellow | | |
| | 127V AC | ● Blue | | |
| | 220V AC | ○ White | | |
| | 24V AC/DC | ● Red | AD22-16D | |
| | 36V AC/DC | | | |
| | 48V AC/DC | ● Green | | |
| | 110V AC/DC | ● Yellow | | |
| | 127V AC/DC | ● Blue | | |
| | 220V AC/DC | ○ White | | |
| | 24V AC/DC | ● Red | AD22-22DS | |
| | 36V AC/DC | | | |
| | 48V AC/DC | ● Yellow | | |
| | 110V AC/DC | ● Green | | |
| | 127V AC/DC | ● Blue | | |
| | 220V AC/DC | ○ White | | |
| | 24V AC/DC | ● Red | AD22-22D | |
| | 36V AC/DC | | | |
| | 48V AC/DC | ● Green | | |
| | 110V AC/DC | ● Yellow | | |
| | 127V AC/DC | ● Blue | | |
| | 220V AC/DC | ○ White | | |
| | 24V AC/DC | ● Red | AD22-22DSC | |
| | 36V AC/DC | | | |
| | 48V AC/DC | ● Yellow | | |
| | 110V AC/DC | ● Green | | |
| | 127V AC/DC | ● Blue | | |
| | 220V AC/DC | ○ White | | |
| | 24V AC/DC | ● Red | AD22-22DSL | |
| | 36V AC/DC | | | |
| | 48V AC/DC | ● Green | | |
| | 110V AC/DC | ● Yellow | | |
| | 127V AC/DC | ● Blue | | |
| | 220V AC/DC | ○ White | | |

AD22

Indicator

LEAGLO



AD22-22BS



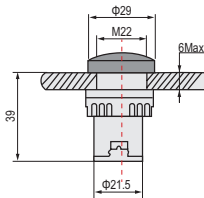
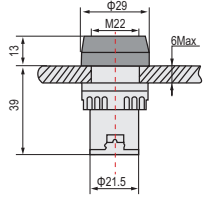
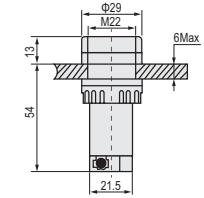
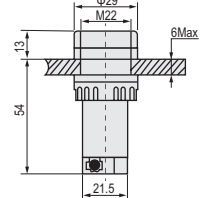
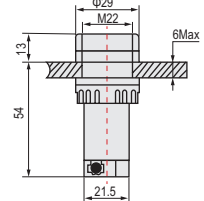
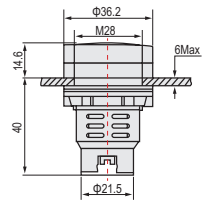
AD22-22RG



AD22-22WG



AD22-22WN

| Description | Voltage | Color | Model | Dimension | | | |
|-------------------------------|------------|---------------|------------|---|--|--|--|
| Protected LED Indicator | 24V AC/DC | ● Red | AD22-22CS |  | | | |
| | 36V AC/DC | ● Green | AD22-22CSL | | | | |
| | 48V AC/DC | | AD22-22CSC | | | | |
| | 110V AC/DC | ● Yellow | | | | | |
| | 127V AC/DC | ● Blue | | | | | |
| | 220V AC/DC | | | | | | |
| | ○ White | | | | | | |
| | 24V AC/DC | ● Red | AD22-22BS |  | | | |
| | 36V AC/DC | ● Green | | | | | |
| | 48V AC/DC | | | | | | |
| | 110V AC/DC | ● Yellow | | | | | |
| | 127V AC/DC | ● Blue | | | | | |
| | 220V AC/DC | | | | | | |
| | | ○ White | | | | | |
| | 110V AC/DC | ● Red & Green | AD22-22DRG |  | | | |
| | 127V AC/DC | ● Red & Blue | AD22-22DRB | | | | |
| | 220V AC/DC | | | | | | |
| | 380V AC | | | | | | |
| | 110V AC/DC | ⊕ | AD22-22WG |  | | | |
| | 127V AC/DC | | | | | | |
| | 220V AC/DC | | | | | | |
| | 380V AC | | | | | | |
| | 110V AC/DC | ⊕ | AD22-22WD |  | | | |
| | 127V AC/DC | ⊕ | AD22-22WN | | | | |
| | 220V AC/DC | | | | | | |
| | 380V AC | | | | | | |
| | 24V AC/DC | ● Red | AD22-30DS |  | | | |
| | 36V AC/DC | ● Green | AD22-30DSL | | | | |
| | 48V AC/DC | | AD22-30DSC | | | | |
| | 110V AC/DC | ● Yellow | | | | | |
| | 127V AC/DC | ● Blue | | | | | |
| | 220V AC/DC | | | | | | |
| | 380V AC | ○ White | | | | | |

AD22

Indicator

LEAGLO



AD22-22SM

| Description | Voltage | Color | Model | Dimension |
|---|------------|----------|-------------|-----------|
| Protected LED Indicator Buzzer | 24V AC/DC | ● Red | AD22-16SM | |
| | 36V AC/DC | ● Black | AD22-16M | |
| | 48V AC/DC | | | |
| | 110V AC/DC | | | |
| | 127V AC/DC | | | |
| | 220V AC/DC | | | |
| | 24V AC/DC | ● Black | AD22-22M | |
| | 36V AC/DC | | | |
| | 48V AC/DC | | | |
| | 110V AC/DC | | | |
| | 127V AC/DC | | | |
| | 220V AC/DC | | | |
| | 24V AC/DC | ● Red | AD22-22SM/R | |
| | 36V AC/DC | ● Yellow | AD22-22SM/Y | |
| | 48V AC/DC | | | |
| | 110V AC/DC | | | |
| | 127V AC/DC | | | |
| | 220V AC/DC | | | |
| | 24V AC/DC | ● Red | AD22-22SMB | |
| | 36V AC/DC | | | |
| | 48V AC/DC | | | |
| | 110V AC/DC | | | |
| | 127V AC/DC | | | |
| | 220V AC/DC | | | |
| | 24V AC/DC | ● Black | AD22-22MB | |
| | 36V AC/DC | | | |
| | 48V AC/DC | | | |
| | 110V AC/DC | | | |
| | 127V AC/DC | | | |
| | 220V AC/DC | | | |



Indicator wrench φ 16



Indicator wrench φ 22

Usage

COBP series of double-speed lifting equipment to control button box, a combination of the domestic appliances industry technology and user needs combined with foreign industrial crane control to improve the absorption components, focus on the rationalization of mechanical design, reasonable structure, advanced technical performance; the company and in accordance with market demand for the development of multi-button combinations of control, more fully functional, and electrical control circuit in accordance with the requirements of any button to choose a different combination of features and easier to control the use of the equipment.

Switch using high-quality engineering plastics, shell products to enhance performance and more anti-collision light housework; electrical contact using conductive copper-based, plus access to some of the use of silver-nickel alloy material, by a contact in the weak capacity and control system stability. Control button in handle and control the installation of waterproof seals and silicone cable jacket, the dust have a good waterproof performance, to achieve IP65 protection grade level;

This product is applicable to more than the dust, outdoor open-air, and snow is more susceptible to abuse, such as operating environment; products electric hoist for lifting, outdoor transportation machinery, construction machine, such as landing and taking off the remote control of electrical cable systems.



COBP-AS1

Model Designations

COBP   

- Sts of the functional buttons* 2 not marked if number is

- Functional code of the buttons

- The first button function, way of operation*1

- Major switch model

※1 set of power control switches

A - Emergency Stop

Y - Key

X - Selector Switch



COBP-AS2

Normal Working Conditions

- 1、Environment temperature is between 40℃ and -25℃;
- 2、Allowable temperature: At the temperature of 40℃ and average humidity 90% can switch and be used in places encroached on by rain and snow;
- 3、In non-exoplosive medium: The medium should not corrode the metal and rubble to avoid the insulation destroyed.

Button marks

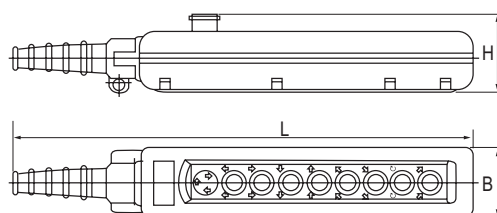
Direction: $\uparrow \downarrow \leftrightarrow \Rightarrow \nabla \nearrow \searrow \cup \cup \cup \times \Delta$

Double speed: (A button) power control button



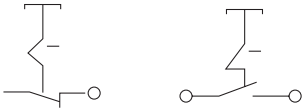
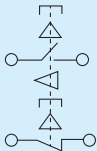
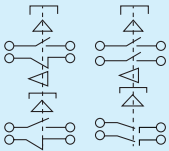
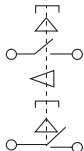
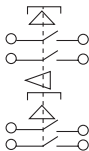
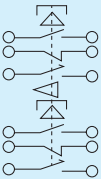
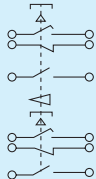
COBP-AS3

Product outside view



| Model | Code | Sets | L x B x H |
|-------|-------------|------|---------------|
| 1 | 2D2.655.031 | 3 | 310 x 78 x 85 |
| 2 | 2D2.655.032 | 5 | 370 x 78 x 85 |
| 3 | 2D2.655.033 | 7 | 430 x 78 x 85 |
| 4 | 2D2.655.034 | 9 | 490 x 78 x 85 |
| 5 | 2D2.655.035 | 11 | 550 x 78 x 85 |

Functional codes of buttons and electric diagram(see fig.)

| Code | Electric diagram | | Feature | Tech parameters |
|----------------------|--|--|---|--|
| Power control switch |  | | Self-lock, connect or separate whirling 30° spring return | |
| Start-stop button |  |  | Two buttons inter lock and auto-reset, normal off separates first and normal-on connect | Rated voltage Rated current AC 380V 10(5)A electrical lifetime 600000 operations |
| Double speed button |  |  | Two buttons interlock and auto reset pressed to the first position normal-off separates and normal - off connects. pressed to the end a later normal-on connect | |
| Normal-on-off button |  |  | Two buttons interlock. spring return | |

Wire Installation And Precautions

Remove the end cap and case the wire of the proper size into the rubber protective sleeve (The part too small to fit the cable should be cut off.) to make sure that both are well matched. Otherwise necessary measures should be taken to ensure sealed rainproof of performance.

Remove the back cap, Connect the control wire and note that the control wire should keep the same direction as that of button control.

After the end cap and rear cap are fixed, please check the sealed parts are even and all the screws must be evenly screwed up so as to maintain the due airtightness.

After a certain duration of service, check and replacement should be carried out if damage is found to ensure the desirable waterproof performance and more safety.



COBP-AS4

COBP-AS5



Introduction

LW26 rotary switch mainly applies to AC 50Hz, rated voltage 440V and below, 240VDC and below, and rated current up to 315A for breaking and closing change-over of circuit under infrequent manual operation, it can also directly control three-phase asynchronous motor and a master control and circuit measurement purposes. Extensive use of products, can be used as a circuit control switch, testing equipment switch, motor control switch and main control switch, and change-over switch used for welding machine etc.

LW26 rotary switch conforms to the standard of GB14048.3, GB14048.5 and IEC60947-3, IEC60947-5-1.

LW26 series have 7 current ratings: 10A, 20A, 25A, 32A, 63A, 125A and 160A.

LW26 rotary switch with a small, multi-function, compact structure, material stress, good insulation, flexible conversion operation, safe and reliable, and the conversion of appearance of new features. LW26-10, LW26-20, LW26-25, LW26-32F, 4 types of switches have finger protection function.

The derived products of LW26 series have padlock rotary switch and built-in lock type switch (63A and below), used as an important device power cut-off switch to prevent misuse and authorized control operations personnel.

LW26 20A to 63A rotary switch can also be equipped with protective enclosure (IP65).

Working conditions

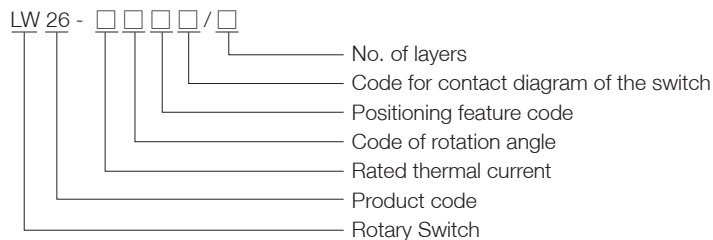
- (1) Ambient temperature -25°C $\sim +40^{\circ}\text{C}$; diurnal temperature rang: $< 35^{\circ}\text{C}$
- (2) Altitude: $< 2000\text{m}$
- (3) The humidity should not exceed 50% when the ambient temperature is 40°C and higher humidity is allowed for lower temperature.

Installation conditions

- (1) Pollution degree: < 3
- (2) Please follow our manual.

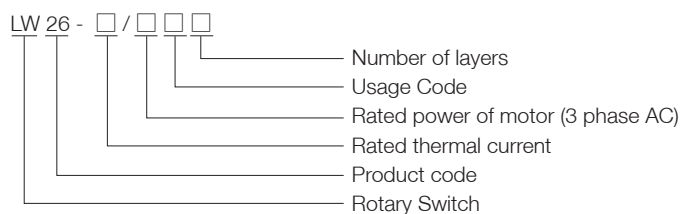
Model Designation

Model designation of main control of rotary switch



Remarks: Code of rotation angle: 30----30 spring return 60 position (36), 30 spring return 90 position (39).

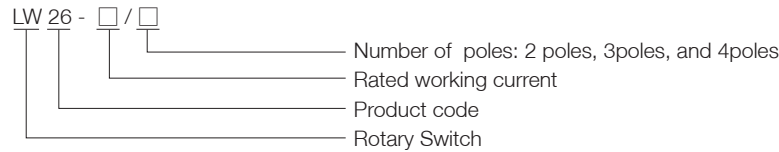
Model designation of direct control of the motor



Remarks:

- (1) Usage code: ① Q for start and run ② N for start and reversing ③ S start and run at double speed
④ SN for start and reversing of double speed motor ⑤ M16 for start and reversing of 3 speed motor
- (2) Switches in this category normally rotated at 60° or 90° . And the SN normally rotated at 45° .

Model designation of main circuit of rotary switch



Remarks: switches in this category normally rotated at 60° or 90° .

Classification

1. Classified by utilization

- (1) Rotary Switch used for main circuit switching.
- (2) Rotary Switch used for direct control of the motor.
- (3) Rotary Switch used for main control and measurement.

2. Classified by operation

- (1) Positioning
- (2) Spring return
- (3) Positioning with spring return

3. Classified by contact system

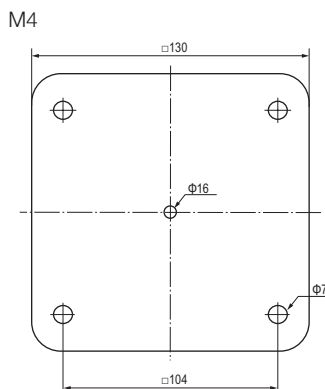
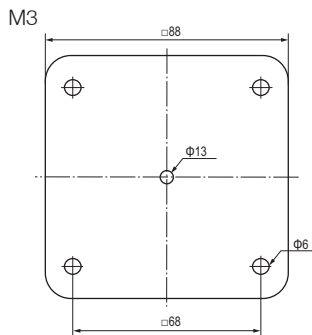
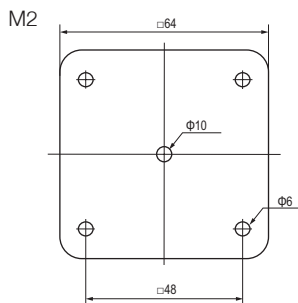
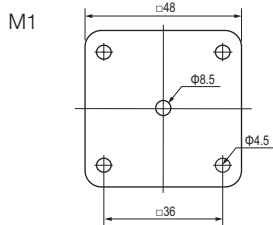
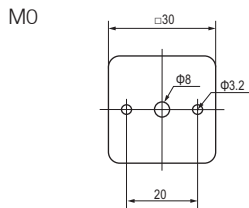
- (1) The positioning of rotary switch below 63A have 12 layers maximum, and for 63A and above have 8 layers maximum.
- (2) Spring return of rotary switch have 3 layers maximum.
- (3) The rotary switch used for direct control motor have 6 layers maximum.

By mode of operation in combination with the actuator position shown in the following table

| Operation | Character code | Position of handle | | | |
|--------------------------------|----------------|---|-----------------------------------|---------------------------|------------------|
| Spring return | A | 0° ← 30° | 0° ← 45° | 0° ← 60° | 0° ← 90° |
| | B | 30° → 0° ← 30° | 45° → 0° ← 45° | 60° → 0° ← 60° | 90° → 0° ← 90° |
| | X | 60° → 30° → 0° ← 30° ← 60° | 90° → 45° → 0° ← 45° ← 90° | | |
| | Y | 90° → 60° → 30° → 0° ← 30° ← 60° ← 90° | | | |
| | C | 0° 30° | 0° 45° | 0° 60° | |
| Positioning | D | 30° 0° 30° | 45° 0° 45° | 60° 0° 60° | |
| | E | 30° 0° 30° 60° | 45° 0° 45° 90° | 60° 0° 60° 120° | |
| | F | 60° 30° 0° 30° 60° | 90° 45° 0° 45° 90° | 60° 0° 60° 120° 180° | |
| | G | 60° 30° 0° 30° 60° 90° | 90° 45° 0° 45° 90° 135° | 120° 60° 0° 60° 120° 180° | |
| | H | 90° 60° 30° 0° 30° 60° 90° | 135° 90° 45° 0° 45° 90° 135° | | |
| | I | 90° 60° 30° 0° 30° 60° 90° 120° | 135° 90° 45° 0° 45° 90° 135° 180° | | |
| | J | 120° 90° 60° 30° 0° 30° 60° 90° 120° | | | |
| | K | 120° 90° 60° 30° 0° 30° 60° 90° 120° 150° | | | |
| | L | 150° 120° 90° 60° 30° 0° 30° 60° 90° 120° 150° | | | |
| | M | 150° 120° 90° 60° 30° 0° 30° 60° 90° 120° 150° 180° | | | |
| | N | | 45° 45° | 30° 30° | |
| | P | | | | 90° 0° 90° |
| | T | | | | 0° 90° |
| | V | | | | 90° 0° |
| | R | | | | 270° 0° 90° 180° |
| Positioning with spring return | Q | 30° 0° ← 30° | 45° 0° ← 45° | | |
| | S | 30° 0° → 30° | 90° 0° → 45° | | |
| | W | | 90° → 45° 0° 45° ← 90° | | |
| | Z | 120° → 90° 0° ← 30° | 135° → 90° 0° ← 45° | | |

Plate and handle

Plate



Type of handle

| Type of handle | Color | Plate | | | | | Type of handle | Color | Escutcheon plate | | | | |
|---|--------|-------|----|----|----|----|---|--------|------------------|----|----|----|----|
| | | M0 | M1 | M2 | M3 | M4 | | | M0 | M1 | M2 | M3 | M4 |
| R Type  | Black | ● | ● | ● | | | I Type  | Black | ● | ● | ● | ● | ● |
| | Red | | ● | ● | | | | Red | | ● | ● | | |
| | White | | | | | | | White | | | | | |
| | Gray | | | | | | | Gray | | | | | |
| | Yellow | | | | | | | Yellow | | | | | |
| R2 Type  | Black | | ● | ● | | | B Type  | Black | | ● | ● | | |
| | Red | | | | | | | Red | | ● | | | |
| | White | | | | | | | White | | | ● | | |
| | Gray | | | | | | | Gray | | | | | |
| F Type  | Black | ● | ● | ● | | | L Type  | Black | | | ● | | |
| | Red | | | | | | | Red | | | | | |
| | White | | | | | | | White | | | | | |
| | Gray | | | | | | | Gray | | | | | |
| H Type  | Black | | | ● | | | O Type  | Black | | | ● | | |
| | Red | | | | | | | Red | | | | | |
| | White | | | | | | | White | | | | | |
| | Gray | | | | | | | Gray | | | | | |
| P Type  | Black | | | ● | ● | ● | K Type  | Black | | | ● | ● | |
| | Red | | | | | | | Red | | | | | |
| | White | | | | | | | White | | | | | |
| | Gray | | | | | | | Gray | | | | | |

Remark: ● Standard, ● Optional.

| Model | Plate | | | | | | | | Type of handle | | | | | | | | | | Rotating angle | | | | Maximum Number of layers | | | |
|----------|-------|----|-----|----|-----|----|----|---|----------------|---|---|---|---|---|---|---|---|---|----------------|-----|-----|-----|--------------------------|----|---|---|
| | M0 | M1 | M1B | M2 | M2B | M3 | M4 | R | R2 | F | I | B | H | L | O | P | K | | 30° | 45° | 60° | 90° | 12 | 10 | 8 | 9 |
| LW26-10 | ● | | | | | | | | | ● | ● | | | | | | | | ● | ● | ● | ● | | ● | | |
| LW26-10X | ● | | | | | | | | | ● | ● | | | | | | | | ● | ● | ● | ● | | | ● | |
| LW26-20 | | ● | ● | ● | ● | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| LW26-20X | | ● | ● | ● | ● | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | ● | |
| LW26-20C | | | | ● | ● | ● | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | |
| LW26-25 | | ● | | ● | ● | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| LW26-32 | | | | ● | ● | ● | | ● | ● | ● | ● | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | |
| LW26-32F | | | | ● | ● | ● | | ● | ● | ● | ● | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | ● | |
| LW26-63 | | | | ● | ● | ● | | ● | ● | ● | ● | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | ● | |
| LW26-125 | | | | | | ● | | ● | ● | ● | ● | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | ● | |
| LW26-160 | | | | | | ● | | ● | | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | ● | |
| LW26-315 | | | | | | | ● | | | | ● | | | | | ● | | | ● | ● | ● | ● | | | ● | |

Remark: M1B、M2B Plate should be installed by self-tapping screws.

LW26

Rotary Switch

LEAGLO

Technical parameters

| Model | LW26-10 LW26-10X | LW26-20 LW26-20X | LW26-25 | LW26-32 LW26-32F | LW26-63 | LW26-125 | LW26-160 | LW26-315 |
|----------------------------------|---------------------|---------------------|----------------|---------------------|---------------|--------------|---------------|--------------|
| Rated insulation voltage U_i V | 660 | 660 | 660 | 660 | 660 | 660 | 660 | 660 |
| Rated thermal current I_{th} A | 10 | 20 | 25 | 32 | 63 | 125 | 160 | 315 |
| Rated working voltage U_e V | 240 440 | 24 110 240 440 | 24 110 240 440 | 240 440 | 240 440 | 240 440 | 240 440 | 240 440 |
| Rated working current I_e | | | | | | | | |
| AC-21A AC-22A A | 10 10 | 20 20 | 25 25 | 32 32 | 63 63 | 100 100 | 150 150 | 315 315 |
| AC-23A A | 7.5 7.5 | 15 15 | 22 22 | 30 30 | 57 57 | 90 90 | 135 135 | 265 265 |
| AC-2 A | 7.5 7.5 | 15 15 | 22 22 | 30 30 | 57 57 | 90 90 | 135 135 | 265 265 |
| AC-3 A | 5.5 5.5 | 11 11 | 15 15 | 22 22 | 36 36 | 75 75 | 95 95 | 110 110 |
| AC-4 A | 1.75 1.75 | 3.5 3.5 | 6.5 6.5 | 11 11 | 15 15 | 30 30 | 55 55 | 95 95 |
| AC-15 A | 2.5 1.5 | 5 4 | 8 5 | 14 6 | | | | |
| DC-13 A | | 12 0.4 0.4 | 20 0.5 0.5 | | | | | |
| Rated control power P | | | | | | | | |
| AC-23A KW | 1.8 3 | 3.7/2.5 7.5/3.7 | 5.5/3 11/5.5 | 7.5/4 15/7.5 | 15/10 30/18.5 | 30/15 45/22 | 37/22 75/37 | 75/37 132/55 |
| AC-2 KW | 2.5 3.7 | 4 7.5 | 5.5 11 | 7.5 15 | 18.5 30 | 30 45 | 37 55 | 55 95 |
| AC-3 KW | 1.5 2.2 | 3/2.2 5.5/3 | 4/3 7.5/3.7 | 5.5/4 11/5.5 | 11/6 18.5/11 | 15/7.5 30/13 | 22/11 37/18.5 | 37/22 55/30 |
| AC-4 KW | 0.37 0.55 | 0.55/0.75 1.5/1.5 | 1.5/1.1 3/2.2 | 2.7/1.5 5.5/3 | 5.5/2.4 7.5/4 | 6/3 12/5.5 | 10/4 15/7.5 | 15/7.5 25/11 |

Remark:

- 1、Neutral ground;
- 2、The power under: AC-23A、AC-3、AC-4 are in three phase three pole, and the denominator means one phase two poles, AC-2 means three phase three poles.

Mechanical life

Mechanical life: 0.1×10^6 times, operation frequency is 120 times/h.

Electrical life: 0.03×10^6 times operation frequency is 120 times/h.

Order instruction

When placing an order please specify the contact diagram of the product you require. The LW26 Series rotary have the similar contact diagram as the other rotary switch like LW2D、LW5D、LW6D、LW8D、LW12、LW15、HZ5D and HZ25D. Our factory have published 《The General Contact Diagram for Leaglo rotary switch》 Which will help you to specify the contact diagram.

In addition please specify the current rating, mounting plate, handle type, color and quantity as well.

For instance:

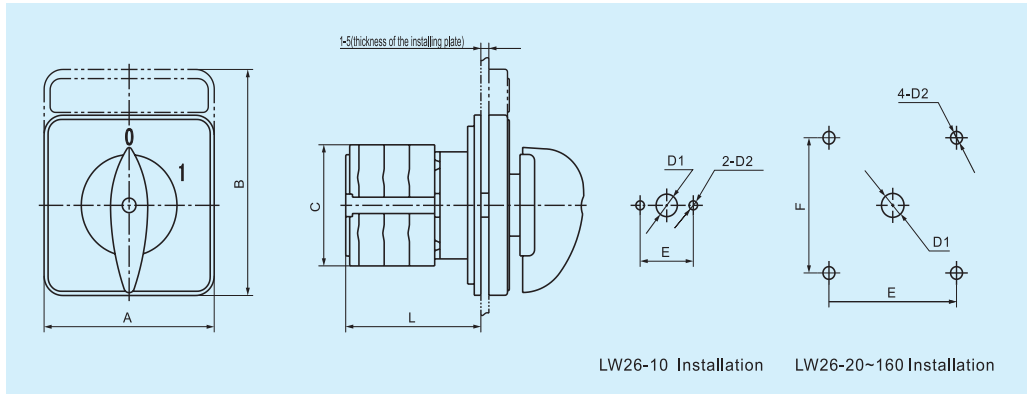
When ordering 20A, rotary angle 60° , character code C, contact diagram code 5391, M1 plate, black R handle switch 20 pcs. The order can be:

LW26-20-6C5391/2 A11R (M1 R) 20 pcs.

Due to the update of the technologies, we reserve the righting of updating the catalog without further notices.

Dimensions and installation

Square plate and rectangular plate

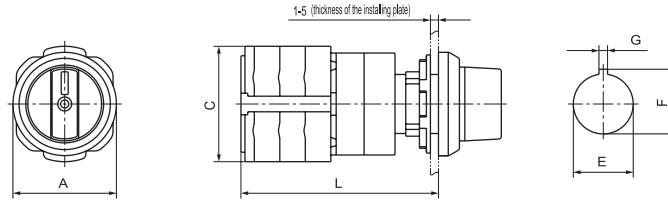


| Model | Plate | Dimensions (mm) | | | | Installation (mm) | | | |
|----------|----------------|-----------------|-----|------|------------|-------------------|-----|-------|-------|
| | | A | B | C | L | E | F | D1 | D2 |
| LW26 | M0 square | 30 | 30 | 28 | 22+8n | 20 | | φ 8 | φ 3.2 |
| LW26-10X | M0 square | 30 | 30 | 28 | 26.5+12n | 20 | | φ 8 | φ 3.2 |
| LW26-20 | M1 square | 48 | 48 | 43 | 22+9.6n | 36 | 36 | φ 8.5 | φ 4.5 |
| | M1 rectangular | 48 | 60 | 43 | 22+9.6n | 36 | 36 | φ 8.5 | φ 4.5 |
| | M2 square | 64 | 64 | 43 | 25+9.6n | 48 | 48 | φ 10 | φ 4.5 |
| | M2 rectangular | 64 | 80 | 43 | 25+9.6n | 48 | 48 | φ 10 | φ 4.5 |
| LW26-20C | M2 square | 64 | 64 | 60 | 42.5+12.6n | 48 | 48 | φ 10 | φ 4.5 |
| | M2 rectangular | 64 | 80 | 60 | 42.5+12.6n | 48 | 48 | φ 10 | φ 4.5 |
| | M3 square | 88 | 88 | 60 | 42.5+12.6n | 68 | 68 | φ 13 | φ 6 |
| LW26-20X | M1 square | 48 | 48 | 42 | 29+14n | 36 | 36 | φ 8.5 | φ 4.5 |
| | M1 rectangular | 48 | 60 | 42 | 30+14n | 36 | 36 | φ 8.5 | φ 4.5 |
| | M2 square | 64 | 64 | 42 | 30+14n | 48 | 48 | φ 10 | φ 4.5 |
| LW26-25 | M1 square | 48 | 48 | 45.2 | 23+12.8n | 36 | 36 | φ 8.5 | φ 4.5 |
| | M1 rectangular | 48 | 60 | 45.2 | 23+12.8n | 36 | 36 | φ 8.5 | φ 4.5 |
| | M2 square | 64 | 64 | 45.2 | 26.5+12.8n | 48 | 48 | φ 10 | φ 4.5 |
| | M2 rectangular | 64 | 80 | 45.2 | 26.5+12.8n | 48 | 48 | φ 10 | φ 4.5 |
| LW26-32 | M2 square | 64 | 64 | 58 | 29.2+12.8n | 48 | 48 | φ 10 | φ 4.5 |
| | M2 rectangular | 64 | 80 | 58 | 29.2+12.8n | 48 | 48 | φ 10 | φ 4.5 |
| | M3 square | 88 | 88 | 58 | 29.2+12.8n | 68 | 68 | φ 13 | φ 6 |
| LW26-32F | M1 square | 48 | 48 | 48 | 23+14n | 36 | 36 | φ 8.5 | φ 4.5 |
| | M1 rectangular | 48 | 60 | 48 | 23+14n | 36 | 36 | φ 8.5 | φ 4.5 |
| | M2 square | 64 | 64 | 48 | 24.5+14n | 48 | 48 | φ 10 | φ 4.5 |
| | M2 rectangular | 64 | 80 | 48 | 24.5+14n | 48 | 48 | φ 10 | φ 4.5 |
| LW26-63 | M2 square | 64 | 64 | 66 | 29.2+21.5n | 48 | 48 | φ 10 | φ 4.5 |
| | M2 rectangular | 64 | 80 | 66 | 29.2+21.5n | 48 | 48 | φ 10 | φ 4.5 |
| | M3 square | 88 | 88 | 66 | 29.2+21.5n | 68 | 68 | φ 13 | φ 6 |
| LW26-125 | M3 square | 88 | 88 | 84 | 35+26.5n | 68 | 68 | φ 13 | φ 6 |
| LW26-160 | M3 square | 88 | 88 | 88 | 35+32.5n | 68 | 68 | φ 13 | φ 6 |
| LW26-315 | M4 square | 130 | 130 | 126 | 39.5+38.5n | 104 | 104 | φ 16 | φ 7 |

Remark: n for number of layers.

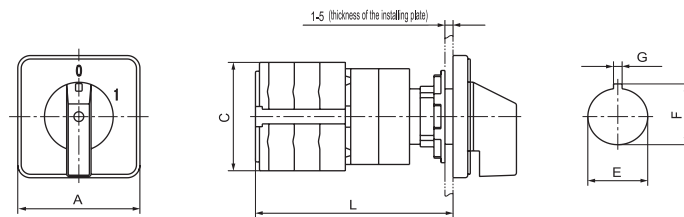
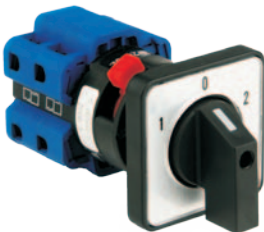
Special type and accessories

Single hole installation



| Model | Dimensions (mm) | | | Installation (mm) | | | Type of handle | | |
|----------|-----------------|------|----------|-------------------|------|-----|----------------|---|---|
| | A | C | L | E | F | G | I | B | F |
| LW26-10 | φ 29 | 28 | 35+8n | φ 16.2 | 18 | 1.9 | ● | | ● |
| LW26-10X | φ 29 | 28 | 39+12n | φ 16.2 | 18 | 1.9 | ● | | ● |
| LW26-20 | φ 39 | 43 | 42+9.6n | φ 22.3 | 24.1 | 3.2 | ● | ● | ● |
| LW26-20 | φ 39 | 43 | 42+9.6n | φ 30.5 | 33 | 4.8 | ● | ● | ● |
| LW26-20X | φ 39 | 42 | 50+14n | φ 22.3 | 24.1 | 3.2 | ● | ● | ● |
| LW26-20X | φ 39 | 42 | 50+14n | φ 30.5 | 33 | 4.8 | ● | ● | ● |
| LW26-25 | φ 39 | 45.2 | 42+12.8n | φ 22.3 | 24.1 | 3.2 | ● | ● | ● |
| LW26-25 | φ 39 | 45.2 | 42+12.8n | φ 30.5 | 33 | 4.8 | ● | ● | ● |
| LW26-32F | φ 39 | 48 | 42+14n | φ 22.3 | 24.1 | 3.2 | ● | ● | ● |
| LW26-32F | φ 39 | 48 | 42+14n | φ 30.5 | 33 | 4.8 | ● | ● | ● |

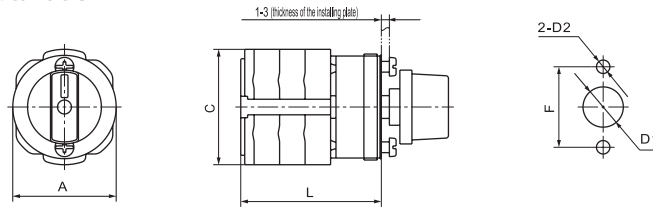
Single hole with installation plate



| Model | Plate | Dimensions (mm) | | | Installation (mm) | | | Type of handle | | |
|----------|-----------|-----------------|------|----------|-------------------|------|-----|----------------|---|---|
| | | A | C | L | E | F | G | I | B | F |
| LW26-10 | M0 square | □ 30 | 28 | 35+8n | φ 16.2 | 18 | 1.9 | ● | | ● |
| LW26-10X | M0 square | □ 30 | 28 | 39+12n | φ 16.2 | 18 | 1.9 | ● | | ● |
| LW26-20 | M1 square | □ 48 | 43 | 42+9.6n | φ 22.3 | 24.1 | 3.2 | ● | ● | ● |
| LW26-20 | M1 square | □ 48 | 43 | 42+9.6n | φ 30.5 | 33 | 4.8 | ● | ● | ● |
| LW26-20X | M1 square | □ 48 | 48 | 50+14n | φ 22.3 | 24.1 | 3.2 | ● | ● | ● |
| LW26-20X | M1 square | □ 48 | 48 | 50+14n | φ 30.5 | 33 | 4.8 | ● | ● | ● |
| LW26-25 | M1 square | □ 48 | 45.2 | 42+12.8n | φ 22.3 | 24.1 | 3.2 | ● | ● | ● |
| LW26-25 | M1 square | □ 48 | 45.2 | 42+12.8n | φ 30.5 | 33 | 4.8 | ● | ● | ● |
| LW26-32F | M1 square | □ 48 | 48 | 42+14n | φ 22.3 | 24.1 | 3.2 | ● | ● | ● |
| LW26-32F | M1 square | □ 48 | 48 | 42+14n | φ 30.5 | 33 | 4.8 | ● | ● | ● |

Special type and accessories

Double hole installation

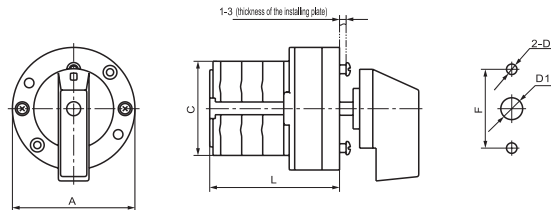


| Model | Dimensions (mm) | | | Installation (mm) | | |
|----------|-----------------|------|----------|-------------------|------|-----|
| | A | C | L | F | D1 | D2 |
| LW26-20 | 39 | 43 | 24+9.6n | 30 | φ 15 | φ 5 |
| LW26-20X | 39 | 42 | 32+14n | 30 | φ 15 | φ 5 |
| LW26-25 | 39 | 45.2 | 25+12.8n | 30 | φ 15 | φ 5 |
| LW26-32F | 39 | 48 | 25+14n | 30 | φ 15 | φ 5 |

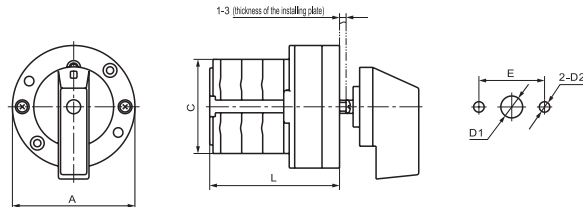
Embedded nut installation

Remark: It should mention installation method when ordering

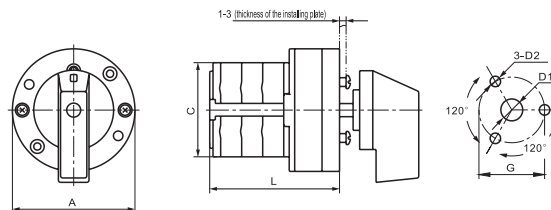
Installation method one



Installation method two



Installation method three

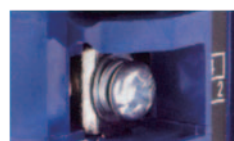


| Model | Dimensions (mm) | | | | Installation (mm) | | | |
|----------|-----------------|------|----------|----|-------------------|------|------|-------|
| | A | C | L | E | F | G | D1 | D2 |
| LW26-20 | φ 56 | 43 | 31+9.6n | 30 | 36 | φ 30 | φ 10 | φ 4.5 |
| LW26-20C | φ 60 | 60 | 30+12.6n | 30 | 36 | φ 30 | φ 10 | φ 4.5 |
| LW26-20X | φ 56 | 66 | 39+14n | 30 | 36 | φ 30 | φ 10 | φ 4.5 |
| LW26-25 | φ 56 | 45.2 | 32+12.8n | 30 | 36 | φ 30 | φ 10 | φ 4.5 |
| LW26-32 | φ 56 | 58 | 30+12.8n | 30 | 36 | φ 30 | φ 10 | φ 4.5 |
| LW26-32F | φ 56 | 48 | 32+14n | 30 | 36 | φ 30 | φ 10 | φ 4.5 |
| LW26-63 | φ 56 | 66 | 30+21.5n | 30 | 36 | φ 30 | φ 10 | φ 4.5 |

63A Terminal Screw



Wire section: 6mm~16mm²
1: Screw special for hard wire



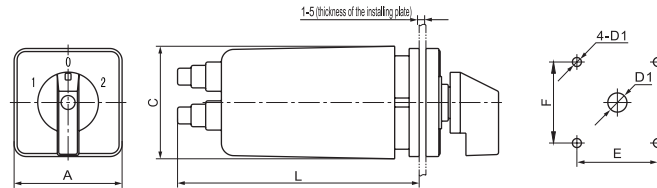
Screw specification: M6
2: Screw special for terminal



Wire section: 6mm~16mm²
3: Screw special for flexible wire

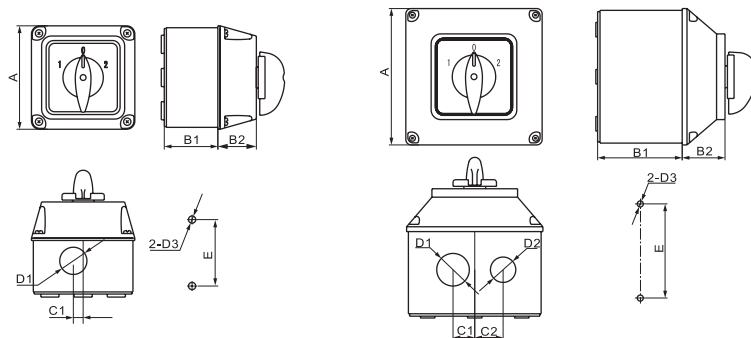
Special type and accessories

Soft plastic protective box



| Model | Dimensions (mm) | | | Installation (mm) | | | | Stages |
|---------|-----------------|----|------|-------------------|----|-------|-------|--------|
| | A | C | L | E | F | D1 | D2 | |
| LW26-20 | □ 48 | 50 | 67.5 | 36 | 36 | φ 8.5 | φ 4.5 | 1~3 |
| LW26-20 | □ 48 | 50 | 96.5 | 36 | 36 | φ 8.5 | φ 4.5 | 1~6 |

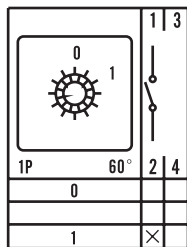
Protective box



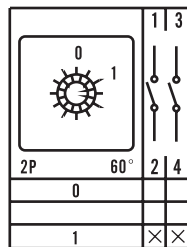
| Model | Dimensions (mm) | | | | | | Installation (mm) | | | | Stages | Remarks |
|----------|-----------------|------|------|-----|------|--|-------------------|------|-----|----|--------|-------------|
| | A | B1 | B2 | C1 | C2 | | D1 | D2 | D3 | E | | |
| LW26-20 | □ 68.5 | 35.5 | 25.5 | 6.5 | | | φ 18 | | φ 5 | 44 | 1-2 | |
| LW26-20 | □ 68.5 | 45 | 25.5 | 6.5 | | | φ 18 | | φ 5 | 44 | 1-3 | |
| LW26-20 | □ 68.5 | 35.5 | 32.5 | 6.5 | | | φ 18 | | φ 5 | 44 | 1 | Single hole |
| LW26-20 | □ 68.5 | 45 | 32.5 | 6.5 | | | φ 18 | | φ 5 | 44 | 1-2 | Single hole |
| LW26-20 | □ 68.5 | 55 | 25.5 | 6.5 | | | φ 18 | | φ 5 | 44 | 1-4 | |
| LW26-20 | □ 68.5 | 55 | 32.5 | 6.5 | | | φ 18 | | φ 5 | 44 | 1-3 | Single hole |
| LW26-20 | □ 113 | 70.5 | 35.5 | 18 | 23.5 | | φ 27 | φ 21 | φ 5 | 78 | 1-7 | |
| LW26-20X | □ 68.5 | 35.5 | 25.5 | 6.5 | | | φ 18 | | φ 5 | 44 | 1-2 | |
| LW26-20X | □ 68.5 | 45 | 25.5 | 6.5 | | | φ 18 | | φ 5 | 44 | 1-2 | |
| LW26-20X | □ 68.5 | 35.5 | 32.5 | 6.5 | | | φ 18 | | φ 5 | 44 | | |
| LW26-20X | □ 68.5 | 45 | 32.5 | 6.5 | | | φ 18 | | φ 5 | 44 | 1 | Single hole |
| LW26-20X | □ 68.5 | 55 | 25.5 | 6.5 | | | φ 18 | | φ 5 | 44 | 1-3 | |
| LW26-20X | □ 68.5 | 55 | 32.5 | 6.5 | | | φ 18 | | φ 5 | 44 | 1-2 | Single hole |
| LW26-20X | □ 113 | 70.5 | 35.5 | 18 | 23.5 | | φ 27 | φ 21 | φ 5 | 78 | 1-4 | |
| LW26-25 | □ 68.5 | 35.5 | 25.5 | 6.5 | | | φ 18 | | φ 5 | 44 | 1 | |
| LW26-25 | □ 68.5 | 45 | 25.5 | 6.5 | | | φ 18 | | φ 5 | 44 | 1-2 | |
| LW26-25 | □ 68.5 | 35.5 | 32.5 | 6.5 | | | φ 18 | | φ 5 | 44 | 1 | Single hole |
| LW26-25 | □ 68.5 | 45 | 32.5 | 6.5 | | | φ 18 | | φ 5 | 44 | 1 | Single hole |
| LW26-25 | □ 68.5 | 55 | 25.5 | 6.5 | | | φ 18 | | φ 5 | 44 | 1-4 | |
| LW26-25 | □ 68.5 | 55 | 32.5 | 6.5 | | | φ 18 | | φ 5 | 44 | 1-2 | Single hole |
| LW26-25 | □ 113 | 70.5 | 35.5 | 18 | 23.5 | | φ 27 | φ 21 | φ 5 | 78 | 1-5 | |
| LW26-32F | □ 68.5 | 35.5 | 25.5 | 6.5 | | | φ 18 | | φ 5 | 44 | 1 | |
| LW26-32F | □ 68.5 | 45 | 25.5 | 6.5 | | | φ 18 | | φ 5 | 44 | 1-2 | |
| LW26-32F | □ 68.5 | 35.5 | 32.5 | 6.5 | | | φ 18 | | φ 5 | 44 | 1 | Single hole |
| LW26-32F | □ 68.5 | 45 | 32.5 | 6.5 | | | φ 18 | | φ 5 | 44 | 1 | Single hole |
| LW26-32F | □ 68.5 | 55 | 25.5 | 6.5 | | | φ 18 | | φ 5 | 44 | 1-3 | |
| LW26-32F | □ 68.5 | 55 | 32.5 | 6.5 | | | φ 18 | | φ 5 | 44 | 1-2 | Single hole |
| LW26-32F | □ 113 | 70.5 | 35.5 | 18 | 23.5 | | φ 27 | φ 21 | φ 5 | 78 | 1-4 | |
| LW26-32 | □ 113 | 70.5 | 35.5 | 18 | 23.5 | | φ 27 | φ 21 | φ 5 | 78 | 1-4 | |
| LW26-63 | □ 113 | 70.5 | 35.5 | 18 | 23.5 | | φ 27 | φ 21 | φ 5 | 78 | 1-2 | |

Function Diagram

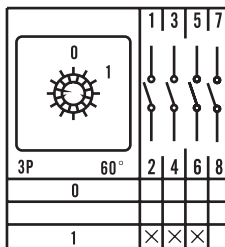
1 0-1 1P



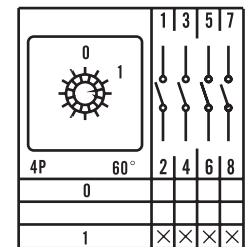
2 0-1 2P



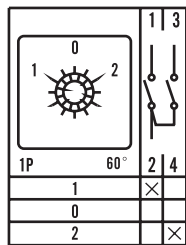
3 0-1 3P



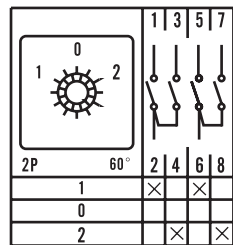
4 0-1 4P



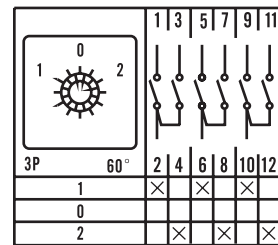
5 1-0-2 1P



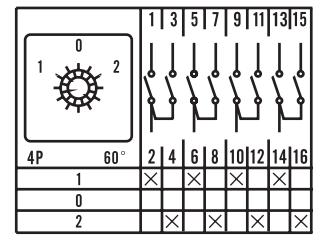
6 1-0-2 2P



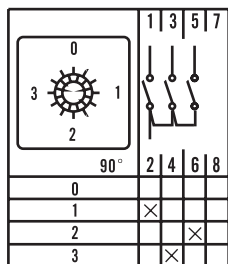
7 1-0-2 3P



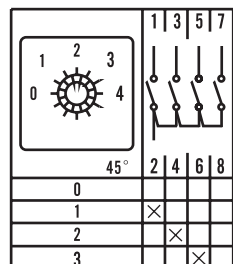
8 1-0-2 4P



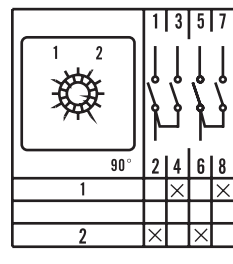
9 0-1-2-3 1P



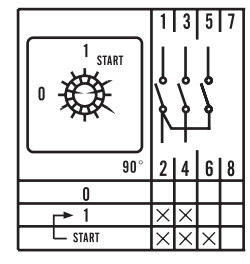
10 0-1-2-3-4 1P



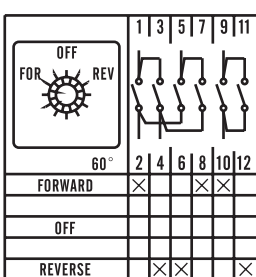
11 1-2 2P



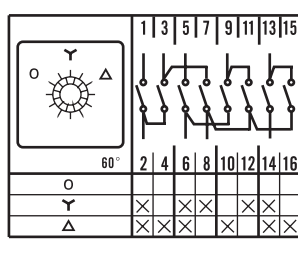
12 0-1-START



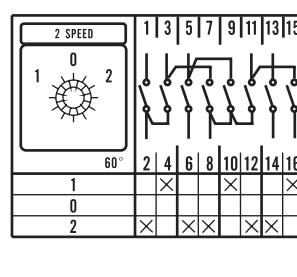
13 Forward-Reverse



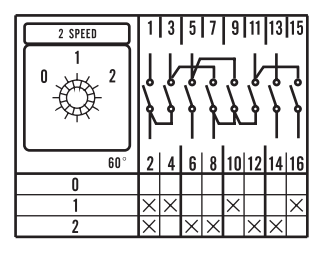
14 O-Y-Δ



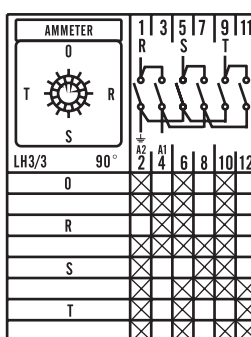
15 Double-Speed



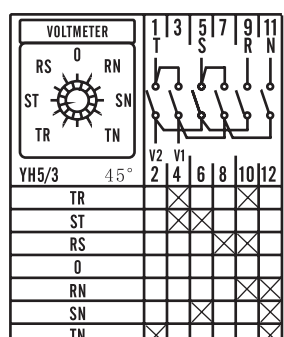
16 Double-Speed



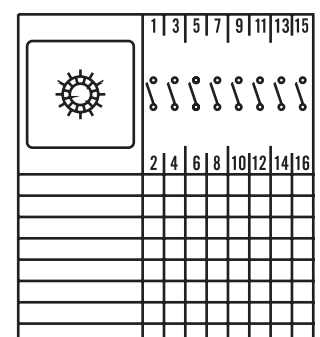
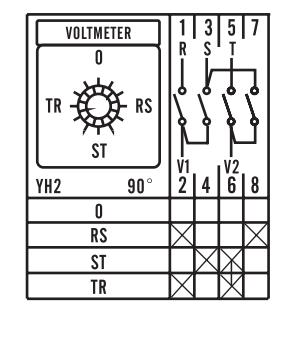
17 Ammeter



18 Voltmeter(3 phase 4 wires)



19 Voltmeter(3 phase 3 wires)





LW26GS-32/04-3



LW26GS-63/04-2



LW26GS-20/04-1



LW26GS-20/04-2



LW26GS-25/04-1

Introduction

LW26GS Padlock rotary switches are derivatives of LW26 rotary switches. Installed in equipment where it requires a padlock to lock the switch in certain position. For instance, to fix the switch in ON position, to prevent the unauthorized personnel from operating the switch.

LW26GS Padlock rotary switch complies with the GB 14048.3 and IEC 60947.3.

Classification

1、The LW26GS switch has 6 current ratings: 20A, 25A, 32A,63A, 125A and 160A. For 20A and 25A is able to install M1 or M2 plate, and for 32A and 63A is able to install M2 or M3 plate, for 125A and 160A is able to install M3 plate only.The M1 plate is able to put 2 padlocks, M2 and M3 is able to put 3 padlocks.

Remarks: -1、-2、-3 represent for M1、M2、M3.

2、LW 26GS is classified by usage:

Common type, black plate black handle

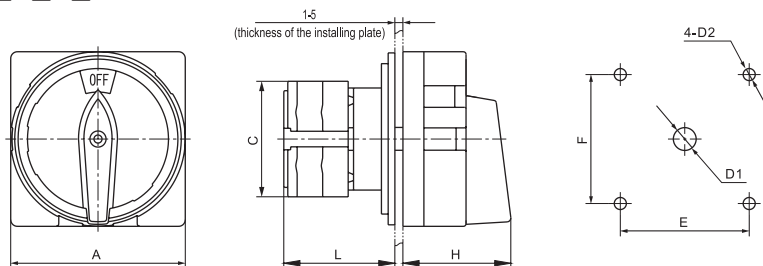
Emergency stop type, with emergency stop mark, yellow plate and red handle.

Technical parameters

| Model | LW26GS-20 | LW26GS-25 | LW26GS-32 | LW26GS-63 | LW26GS-125 | LW26GS-160 |
|-----------------------------|-----------|-----------|-----------|-----------|------------|------------|
| Rated working voltage Ue V | 440 | 440 | 440 | 440 | 440 | 440 |
| Rated thermal current Ith A | 20 | 25 | 32 | 63 | 125 | 160 |
| Rated working current Ie | | | | | | |
| AC-21A A | 20 | 25 | 32 | 63 | 100 | 150 |
| AC-22A A | 20 | 25 | 32 | 63 | 100 | 150 |
| AC-23A A | 15 | 22 | 30 | 57 | 90 | 135 |
| Rated control power p | | | | | | |
| AC-23A | 7.5 | 11 | 15 | 30 | 45 | 75 |

Dimensions and installation

LW26GS-□/□-□



| Model | Escutcheon plate | Dimensions (mm) | | | | Installation (mm) | | | |
|-----------------|------------------|-----------------|------|------|----|-------------------|----|-------|-------|
| | | A | C | L | H | E | F | D1 | D2 |
| LW26GS-20/04-1 | M1 | □ 48 | 43 | 42 | 33 | 36 | 36 | φ 8.5 | φ 4.5 |
| LW26GS-20/04-2 | M2 | □ 64 | 43 | 43 | 42 | 48 | 48 | φ 10 | φ 4.5 |
| LW26GS-20X/04-1 | M1 | □ 48 | 42 | 54 | 33 | 36 | 36 | φ 8.5 | φ 4.5 |
| LW26GS-20X/04-2 | M2 | □ 64 | 42 | 55 | 42 | 48 | 48 | φ 10 | φ 4.5 |
| LW26GS-25/04-1 | M1 | □ 48 | 45.2 | 50 | 33 | 36 | 36 | φ 8.5 | φ 4.5 |
| LW26GS-25/04-2 | M2 | □ 64 | 45.2 | 51 | 42 | 48 | 48 | φ 10 | φ 4.5 |
| LW26GS-32/04-2 | M2 | □ 64 | 58 | 55 | 42 | 48 | 48 | φ 10 | φ 4.5 |
| LW26GS-32/04-3 | M3 | □ 88 | 58 | 55 | 52 | 68 | 68 | φ 13 | φ 6 |
| LW26GS-63/04-2 | M2 | □ 64 | 66 | 72.5 | 42 | 48 | 48 | φ 10 | φ 4.5 |
| LW26GS-63/04-3 | M3 | □ 88 | 66 | 72.5 | 52 | 68 | 68 | φ 13 | φ 6 |
| LW26GS-125/04-3 | M3 | □ 88 | 84 | 88 | 52 | 68 | 68 | φ 13 | φ 6 |
| LW26GS-160/04-3 | M3 | □ 88 | 88 | 100 | 52 | 68 | 68 | φ 13 | φ 6 |

Introduction

LW26S Padlock rotary switches are derivatives of LW26 rotary switches. Installed in equipments, which requires a key to lock the switch. It prevents the unauthorized personnel from mis-operation.

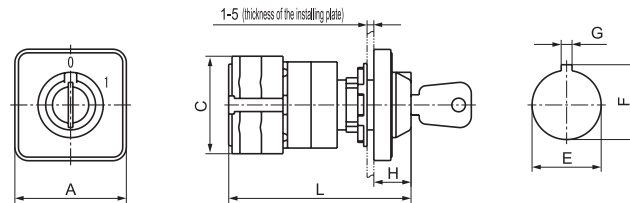
LW26S Padlock rotary switches comply with the GB 14048.3 and IEC 60947-3.

Technical parameters

| Model | | LW26S-10 LW26S-10X | LW26S-20 LW26S-20X | LW26S-25 | LW26S-32 | LW26S-63 |
|-----------------------------|----|-----------------------|-----------------------|----------|----------|----------|
| Rated working voltage Ue V | | 440 | 440 | 440 | 440 | 440 |
| Rated thermal current Ith A | | 10 | 20 | 25 | 32 | 63 |
| Rated working current Ie | | | | | | |
| AC-21A | A | 10 | 20 | 25 | 32 | 63 |
| AC-22A | A | 10 | 20 | 25 | 32 | 63 |
| AC-23A | A | 7 | 15 | 22 | 30 | 57 |
| Rated control power P | | | | | | |
| AC-23A | KW | 3 | 7.5 | 11 | 15 | 30 |

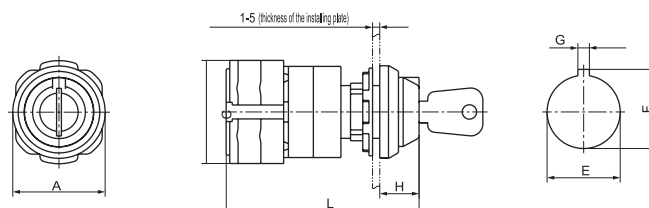
Dimensions and installation

LW26S S1



| Model | Dimensions (mm) | | | | Installation (mm) | | |
|-----------|-----------------|------|------|------|-------------------|------|-----|
| | A | C | H | L | E | F | G |
| LW26S-10 | □ 30 | 30 | 8.5 | 60 | φ 16.2 | 18 | 1.9 |
| LW26S-10X | □ 30 | 28 | 8.5 | 71.5 | φ 16.2 | 18 | 1.9 |
| LW26S-20 | □ 48 | 43 | 15.6 | 76.5 | φ 22.3 | 24.1 | 3.2 |
| LW26S-20 | □ 64 | 43 | 15.6 | 76.5 | φ 22.3 | 24.1 | 3.2 |
| LW26S-20 | □ 64 | 43 | 15.6 | 76.5 | φ 30.5 | 33 | 4.8 |
| LW26S-20X | □ 48 | 42 | 15.6 | 93.5 | φ 22.3 | 24.1 | 3.2 |
| LW26S-20X | □ 64 | 42 | 15.6 | 93.5 | φ 22.3 | 24.1 | 3.2 |
| LW26S-20X | □ 64 | 42 | 15.6 | 93.5 | φ 30.5 | 33 | 4.8 |
| LW26S-25 | □ 48 | 45.2 | 15.6 | 83 | φ 22.3 | 24.1 | 3.2 |
| LW26S-25 | □ 64 | 45.2 | 15.6 | 83 | φ 22.3 | 24.1 | 3.2 |
| LW26S-25 | □ 64 | 45.2 | 15.6 | 83 | φ 30.5 | 33 | 4.8 |
| LW26S-32F | □ 48 | 48 | 15.6 | 86.5 | φ 22.3 | 24.1 | 3.2 |
| LW26S-32F | □ 64 | 48 | 15.6 | 86.5 | φ 22.3 | 24.1 | 3.2 |
| LW26S-32F | □ 64 | 48 | 15.6 | 86.5 | φ 30.5 | 33 | 4.8 |

LW26S S1Y



LW26S

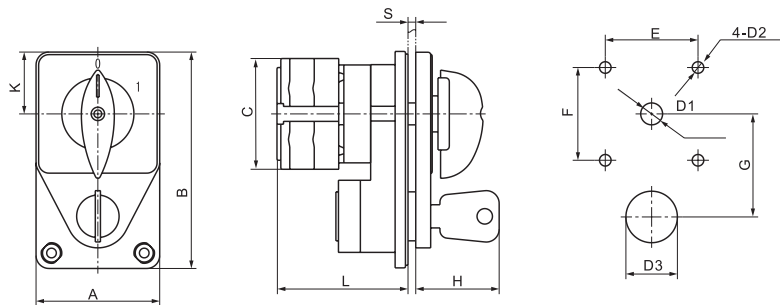
Padlock Rotary Switches

LEAGLO

| Model | Dimensions (mm) | | | | Installation (mm) | | |
|-----------|-----------------|------|------|------|-------------------|------|-----|
| | A | C | H | L | E | F | G |
| LW26S-10 | φ 29 | 30 | 8.5 | 60 | φ 16.2 | 18 | 1.9 |
| LW26S-10X | φ 29 | 28 | 8.5 | 71.5 | φ 16.2 | 18 | 1.9 |
| LW26S-20 | φ 39 | 43 | 15.6 | 76.5 | φ 22.3 | 24.1 | 3.2 |
| LW26S-20 | φ 39 | 43 | 15.6 | 76.5 | φ 22.3 | 24.1 | 3.2 |
| LW26S-20 | φ 39 | 43 | 15.6 | 76.5 | φ 30.5 | 33 | 4.8 |
| LW26S-20X | φ 39 | 42 | 15.6 | 93.5 | φ 22.3 | 24.1 | 3.2 |
| LW26S-20X | φ 39 | 42 | 15.6 | 93.5 | φ 22.3 | 24.1 | 3.2 |
| LW26S-20X | φ 39 | 42 | 15.6 | 93.5 | φ 30.5 | 33 | 4.8 |
| LW26S-25 | φ 39 | 45.2 | 15.6 | 83 | φ 22.3 | 24.1 | 3.2 |
| LW26S-25 | φ 39 | 45.2 | 15.6 | 83 | φ 22.3 | 24.1 | 3.2 |
| LW26S-25 | φ 39 | 45.2 | 15.6 | 83 | φ 30.5 | 33 | 4.8 |
| LW26S-32F | φ 39 | 48 | 15.6 | 86.5 | φ 22.3 | 24.1 | 3.2 |
| LW26S-32F | φ 39 | 48 | 15.6 | 86.5 | φ 22.3 | 24.1 | 3.2 |
| LW26S-32F | φ 39 | 48 | 15.6 | 86.5 | φ 30.5 | 33 | 4.8 |



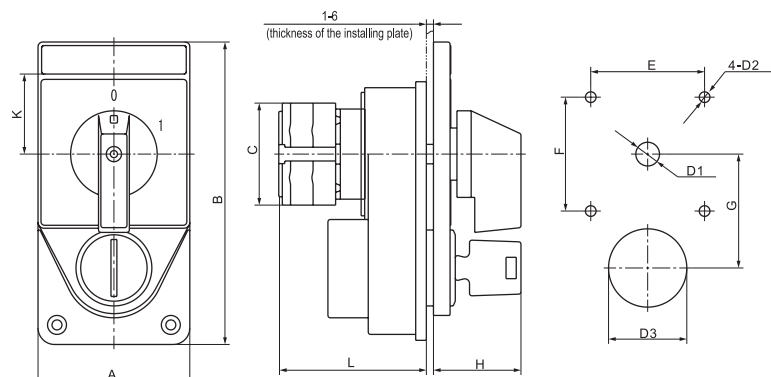
LW26S S2



| Model | Dimensions (mm) | | | | | | | Installation (mm) | | | | | |
|-----------|-----------------|-----|----|------|------|------|-----|-------------------|----|----|-------|-------|------|
| | A | B | K | C | L | H | S | E | F | G | D1 | D2 | D3 |
| LW26S-20 | 48 | 84 | 24 | 43 | 51.5 | 32.5 | 1~4 | 36 | 36 | 40 | φ 8.5 | φ 4.5 | φ 20 |
| LW26S-20X | 64 | 112 | 32 | 42 | 68.5 | 32.5 | 1~4 | 36 | 36 | 40 | φ 8.5 | φ 4.5 | φ 20 |
| LW26S-25 | 48 | 84 | 24 | 45.2 | 58 | 32.5 | 1~4 | 36 | 36 | 40 | φ 8.5 | φ 4.5 | φ 20 |
| LW26S-32 | 64 | 112 | 32 | 58 | 72 | 34 | 1~6 | 48 | 48 | 48 | φ 10 | φ 4.5 | φ 34 |
| LW26S-32F | 48 | 84 | 24 | 48 | 61.5 | 32.5 | 1~4 | 36 | 36 | 40 | φ 8.5 | φ 4.5 | φ 20 |
| LW26S-63 | 64 | 112 | 32 | 66 | 79 | 34 | 1~6 | 48 | 48 | 48 | φ 10 | φ 4.5 | φ 34 |



LW26S S3



| Model | Dimensions (mm) | | | | | Installation (mm) | | | | | | |
|-----------|-----------------|-------|----|------|------|-------------------|----|----|----|------|-------|------|
| | A | B | K | C | L | H | E | F | G | D1 | D2 | D3 |
| LW26S-20 | 64 | 126.5 | 32 | 43 | 51.5 | 34 | 48 | 48 | 48 | φ 10 | φ 4.5 | φ 34 |
| LW26S-20X | 64 | 126.5 | 32 | 42 | 68.5 | 34 | 48 | 48 | 48 | φ 10 | φ 4.5 | φ 34 |
| LW26S-25 | 64 | 126.5 | 32 | 45.2 | 58 | 34 | 48 | 48 | 48 | φ 10 | φ 4.5 | φ 34 |
| LW26S-32 | 64 | 126.5 | 32 | 58 | 72 | 34 | 48 | 48 | 48 | φ 10 | φ 4.5 | φ 34 |
| LW26S-32F | 64 | 126.5 | 32 | 48 | 61.5 | 34 | 48 | 48 | 48 | φ 10 | φ 4.5 | φ 34 |
| LW26S-63 | 64 | 126.5 | 32 | 66 | 79 | 34 | 48 | 48 | 48 | φ 10 | φ 4.5 | φ 34 |



Introduction

LW30 rotary switch mainly applies to circuit of AC 50Hz, rated voltage 440V and below, and rated current up to 100A. LW30 is used for ventilation, air conditioner and water pump system etc. It can also be directly controlled small-capacity AC motor.

LW30 rotary switch conforms to the standard of GB14048.3 and IEC60947-3.

LW30 series have 7 current ratings: 20A, 25A, 32A, 40A, 63A, 80A and 100A.

LW30 rotary switch with a small, multi-function, compact structure, material stress, good insulation, flexible conversion operation, safe and reliable, have finger protection function. It can combine with other other pieces of contact blocks in the standard contact block without removing the switch.

The insulation distance of LW30 rotary switch is greater than other similar switch, fast disconnect speed suitable for DC switch.

Working conditions

- (1) Ambient temperature: +40℃ ; diurnal temperature rang :< 35℃
- (2) Ambient temperature: <-25℃ ;
- (3) Altitude: <2000m.
- (4) The humidity should not exceed 50% when the ambient temperature is 40℃ and higher humidity is allowed for lower temperature.



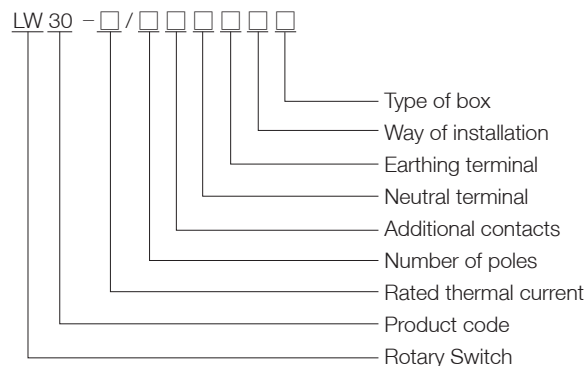
Installation conditions

- (1) Pollution degree: < 3
- (2) Please follow our manual.

Classification

- (1) Classified by utilization:
 - ① AC-23A
 - ② AC-3
- (2) Classified by protection of degree
 - ① Without switch box: IP20
 - ② With thermoplastic sealed switch box: IP65

Designation



Accessorial code

- (1) Number of poles: 3P, 4P
- (2) Additional contacts: 0 for additional contacts not inclosed, 1 for with additional contacts
- (3) Neutral terminal: 0 for neutral terminal not inclosed, 1 for with neutral terminal.
- (4) Earthing terminal: 0 for earthing terminal not inclosed, 1 for with earthing terminal.

LW30

Rotary Switch

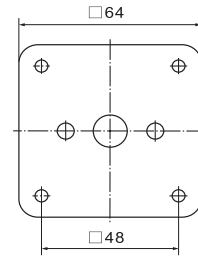
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Installation

- (1) Padlock plate
- (2) Plate
- (3) Single padlock with rail installation
- (4) Doorlock safety switch with Padlock system
- (5) Single hole installation

Type of box: 0 without protective box, 1 with IP65 thermoplastic box.

Plate



Type of handle

R Type



I Type



K Type



Accessories

Single padlock



Multi-padlock



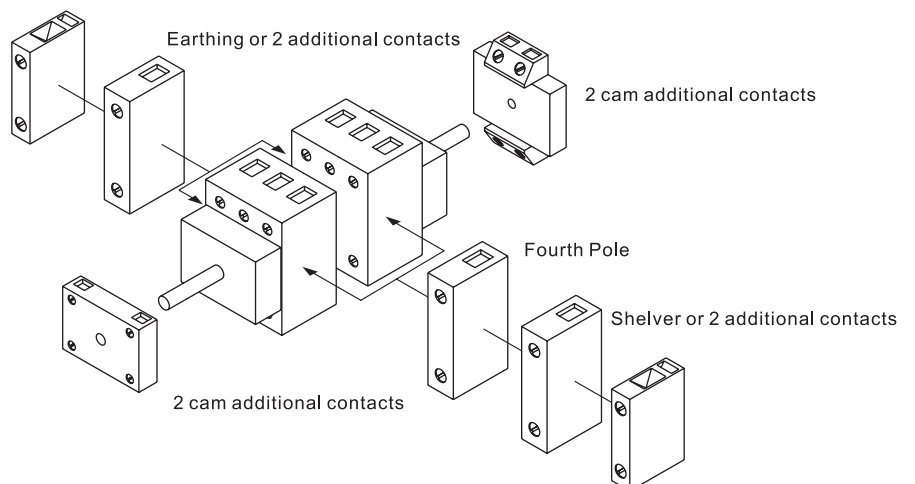
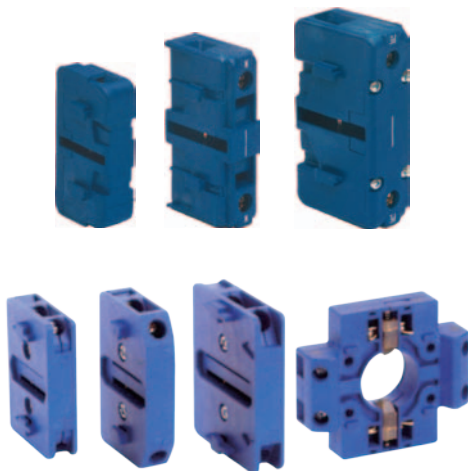
Plastic box



Cover



Auxiliary contact & Optional accessories



AC15 220V~240V 6A/380~440V 4A

Technical parameters

| Model | LW30-25(20) | | LW30-32 | | LW30-40 | | LW30-63 | | LW30-80 | | LW30-100 | |
|-----------------------------|-------------|----------|---------|--------|---------|-------|---------|---------|---------|-------|----------|-------|
| Rated thermal current Ith A | 25(20) | | 32 | | 40 | | 63 | | 80 | | 100 | |
| Rated working voltage Ue V | 240 | 440 | 240 | 440 | 240 | 440 | 240 | 440 | 240 | 440 | 240 | 440 |
| Rated value Ie/Pe | | | | | | | | | | | | |
| AC-21A A/kW | 20/- | 20/- | 32/- | 32/- | 40/- | 40/- | 63/- | 63/- | 80/- | 80/- | 100/- | 100/- |
| AC-22A A/kW | 20/- | 20/- | 32/- | 32/- | 40/- | 40/- | 63/- | 63/- | 80/- | 80/- | 100/- | 100/- |
| AC-23A A/kW | 15/4 | 15/7.5 | 22/5.5 | 22/11 | 30/7.5 | 30/15 | 43/11 | 43/22 | 57/18.5 | 57/30 | 70/22 | 70/37 |
| AC-3 A/kW | 11.7/3 | 11.7/5.5 | 15/4 | 15/7.5 | 22/7.5 | 22/11 | 36/11 | 36/18.5 | 43/15 | 43/22 | 57/18.5 | 57/30 |

Current type: 50Hz AC

Position of main contact: ON or OFF 2 positions

Frequency: 8 hours per day, 30 operations per hour

Electrical life: 10000 operations/AC-23, 6000 operations/AC-3, 2000 operations for auxiliary contact.

Order instructions

When you order our LW30 series, We need your data as following:

- Rated working current, for example: LW30-20;
- Accessorial code, please write it orderly
 - Number of poles, for example: 3P;
 - Do you need additional contacts: 0 not inclosed, 1 inclosed.
 - Do you need neutral terminal: 0 not inclosed, 1 inclosed;
 - Do you need earthing terminal: 0 not inclosed, 1 inclosed;
 - Installation:
 - Plate installation with padlock
 - Plate installation
 - Single padlock on rail
 - Padlock handle/door inter-lock base installation
 - Single hole installation
 - Type of box: 0 not inclosed, 1 inclosed.
- Other accessorial code, please write it orderly
 - Type of plate:
 - Plate;
 - Means ϕ 22.5 hole;
 - Means ϕ 25 hole;
 - Means ϕ 30.5 hole.
 - Do you need sealed plate with airproof: 0 not inclosed it, 1 inclosed it
 - Colour of plate:
 - Means silver color;
 - Means yellow color;
 - Appointed color
 - Character letter:
 - Means letter
 - Means Chinese letter
 - Means special mark
 - Code of handle need to be mentioned in the 4th of additional code: R or K or I, if you do not note the type we will provided by the usual I type.
- Please contact us for speacial requirements.

For example:

If you order 40A/3P with additional contacts and earthing terminal and plate without neutral terminal and switch box.

You must write: LW30-40/310120

If you want to order 32A/3P with door inter-lock, You must write: LW30-32/300030.

If you want to order 40A/3 with additional contacts, earthing terminal, plate installation, sealed shaft, Yellow, Chinese letter, K handle, without neutral terminal and switch box.

You must write: LW30-40/310120.1123K

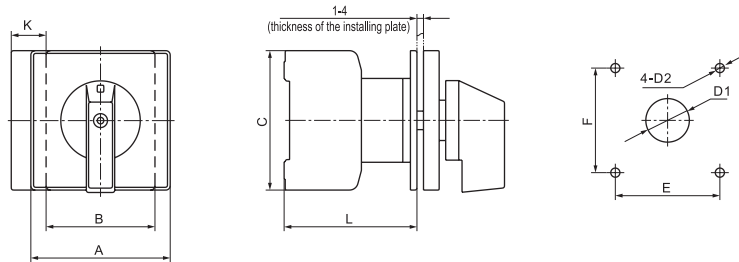
LW30

Rotary Switch

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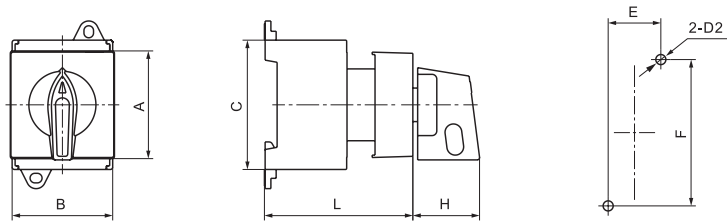
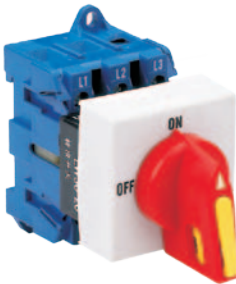
Dimensions and installation

Panel installation



| Model | Dimensions (mm) | | | | | Installation (mm) | | | |
|----------|-----------------|----|----|------|----|-------------------|----|------|-------|
| | A | B | C | K | L | E | F | D1 | D2 |
| LW30-20 | □ 64 | 42 | 54 | 13.5 | 61 | 48 | 48 | φ 10 | φ 4.2 |
| LW30-25 | □ 64 | 42 | 54 | 13.5 | 61 | 48 | 48 | φ 10 | φ 4.2 |
| LW30-32 | □ 64 | 42 | 54 | 13.5 | 61 | 48 | 48 | φ 10 | φ 4.2 |
| LW30-40 | □ 64 | 50 | 64 | 16 | 67 | 48 | 48 | φ 10 | φ 4.2 |
| LW30-63 | □ 64 | 50 | 64 | 16 | 67 | 48 | 48 | φ 10 | φ 4.2 |
| LW30-80 | □ 64 | 70 | 80 | 22.5 | 82 | 48 | 48 | φ 10 | φ 4.2 |
| LW30-100 | □ 64 | 70 | 80 | 22.5 | 82 | 48 | 48 | φ 10 | φ 4.2 |

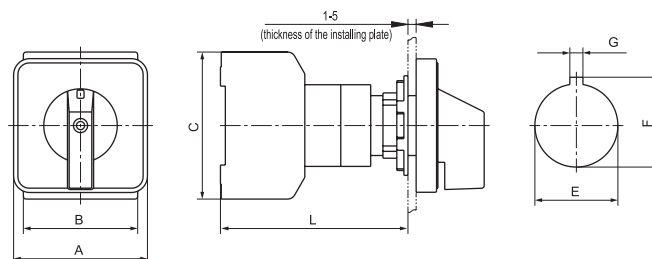
Base installation



| Model | Dimensions (mm) | | | | | Installation (mm) | | |
|---------|-----------------|----|----|----|----|-------------------|----|-------|
| | A | B | C | L | H | E | F | D2 |
| LW30-20 | 45 | 42 | 54 | 50 | 26 | 22 | 60 | φ 4.2 |
| LW30-25 | 45 | 42 | 54 | 50 | 26 | 22 | 60 | φ 4.2 |
| LW30-32 | 45 | 42 | 54 | 50 | 26 | 22 | 60 | φ 4.2 |

Remarks: Base can be installed on 35mm standard rail

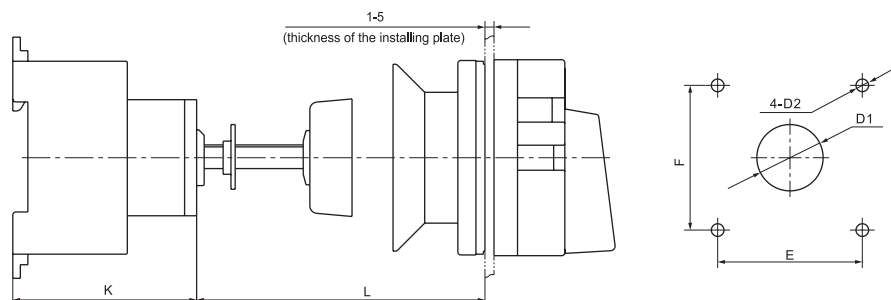
Single hole installation



| Model | Dimensions (mm) | | | | Installation (mm) | | |
|---------|-----------------|----|----|----|-------------------|------|-----|
| | A | B | C | L | E | F | G |
| LW30-20 | □ 49 | 42 | 54 | 69 | φ 22.3 | 24.1 | 3.2 |
| LW30-20 | □ 64 | 42 | 54 | 69 | φ 22.3 | 24.1 | 3.2 |
| LW30-25 | □ 49 | 42 | 54 | 69 | φ 22.3 | 24.1 | 3.2 |
| LW30-25 | □ 64 | 42 | 54 | 69 | φ 22.3 | 24.1 | 3.2 |
| LW30-32 | □ 49 | 42 | 54 | 69 | φ 22.3 | 24.1 | 3.2 |
| LW30-32 | □ 64 | 42 | 54 | 69 | φ 22.3 | 24.1 | 3.2 |

Dimensions and installation

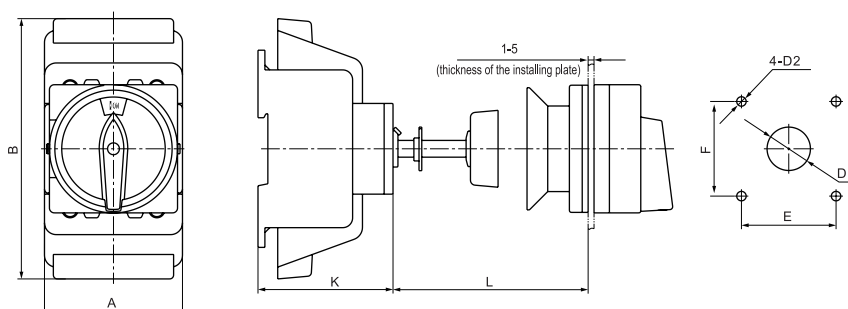
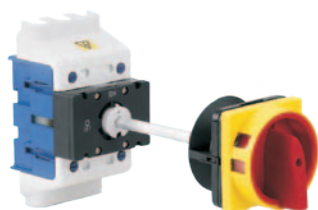
Base installation with doorlock



| Model | Dimensions (mm) | | | Installation (mm) | | | |
|----------|-----------------|------|------|-------------------|----|------|-------|
| | K | Lmin | Lmax | E | F | D1 | D2 |
| LW30-20 | 50 | 32 | 150 | 48 | 48 | φ 22 | φ 4.2 |
| LW30-25 | 50 | 32 | 150 | 48 | 48 | φ 22 | φ 4.2 |
| LW30-32 | 50 | 32 | 150 | 48 | 48 | φ 22 | φ 4.2 |
| LW30-40 | 61 | 32 | 150 | 48 | 48 | φ 22 | φ 4.2 |
| LW30-63 | 61 | 32 | 150 | 48 | 48 | φ 22 | φ 4.2 |
| LW30-80 | 68 | 32 | 150 | 48 | 48 | φ 22 | φ 4.2 |
| LW30-100 | 68 | 32 | 150 | 48 | 48 | φ 22 | φ 4.2 |

Remarks: Base can be installed on 35mm standard rail

Protective cover

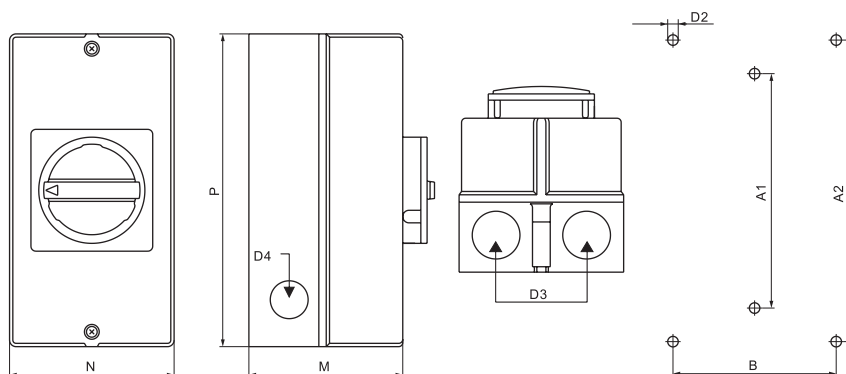


| Model | Dimensions (mm) | | | | | Installation (mm) | | | |
|----------|-----------------|------|------|------|------|-------------------|----|------|-------|
| | A | B | K | Lmin | Lmax | E | F | D1 | D2 |
| LW30-20 | 94.5 | 42.5 | 50.5 | 32 | 150 | 48 | 48 | φ 22 | φ 4.2 |
| LW30-25 | 94.5 | 42.5 | 50.5 | 32 | 150 | 48 | 48 | φ 22 | φ 4.2 |
| LW30-32 | 94.5 | 42.5 | 50.5 | 32 | 150 | 48 | 48 | φ 22 | φ 4.2 |
| LW30-40 | 95.5 | 50.5 | 61 | 32 | 150 | 48 | 48 | φ 22 | φ 4.2 |
| LW30-63 | 95.5 | 50.5 | 61 | 32 | 150 | 48 | 48 | φ 22 | φ 4.2 |
| LW30-80 | 70 | 133 | 68 | 32 | 150 | 48 | 48 | φ 22 | φ 4.2 |
| LW30-100 | 70 | 133 | 68 | 32 | 150 | 48 | 48 | φ 22 | φ 4.2 |

Rotary Switch

Dimensions and installation

A white plastic electrical component, likely a fuse holder or terminal block. It has a red circular handle with a yellow label that reads "1 05". The component has several mounting holes and a small circular opening on the side.

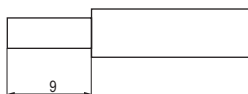


| Model | Dimensions (mm) | | | | | Installation (mm) | | | |
|----------|-----------------|------|-----|-----|-----|-------------------|-----|-----|-------|
| | D3 | D4 | M | N | P | A1 | A2 | B | D2 |
| LW30-20 | φ 23 | φ 19 | 85 | 83 | 160 | 150 | -- | -- | φ 4.2 |
| LW30-25 | φ 23 | φ 19 | 85 | 83 | 160 | 150 | -- | -- | φ 4.2 |
| LW30-32 | φ 23 | φ 19 | 85 | 83 | 160 | 150 | -- | -- | φ 4.2 |
| LW30-40 | φ 29 | φ 23 | 100 | 95 | 190 | 178 | -- | -- | φ 4.2 |
| LW30-63 | φ 29 | φ 23 | 100 | 95 | 190 | 178 | -- | -- | φ 4.2 |
| LW30-80 | φ 37.5 | φ 23 | 144 | 105 | 250 | -- | 229 | 124 | φ 6.5 |
| LW30-100 | φ 37.5 | φ 23 | 144 | 105 | 250 | -- | 229 | 124 | φ 6.5 |

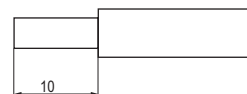
LW 30 - □ / □ □ □ □ □ □ □ □

- Additional functions: 0. not inclosed, 1. multi-functions inclosed
2. with NO/NC contact block
- Type of box: 0. not inclosed, 1. inclosed
- Installation: 1. plate installation with padlock, 2. plate installation,
3. door inter-lock base installation
4. single padlock on rail, 5 single hole installation
- Earthing terminal: 0. not inclosed, 1. inclosed
- Neutral terminal: 0. not inclosed, 1. inclosed
- Additional contacts: 0. not inclosed, 1. inclosed
- Number of poles: 1—3P, 2—4P, 3—6P, 4—8P
- Rated thermal current
- Product code
- Rotary Switch

LW30-20/
LW30-32



LW30-40



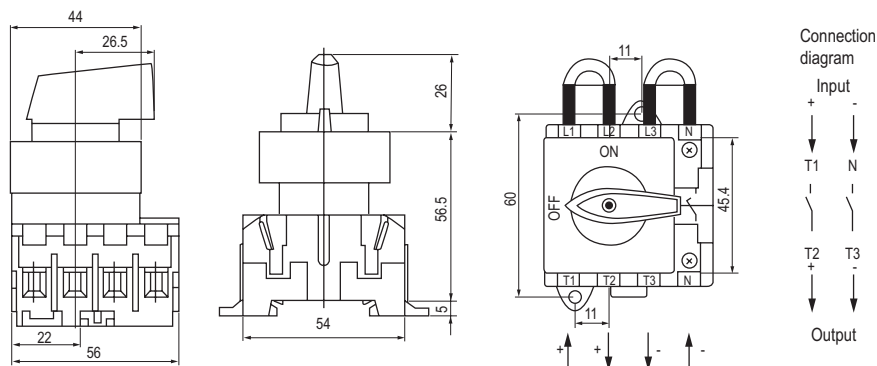
LW30

Rotary Switch

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Photovoltaic DC type

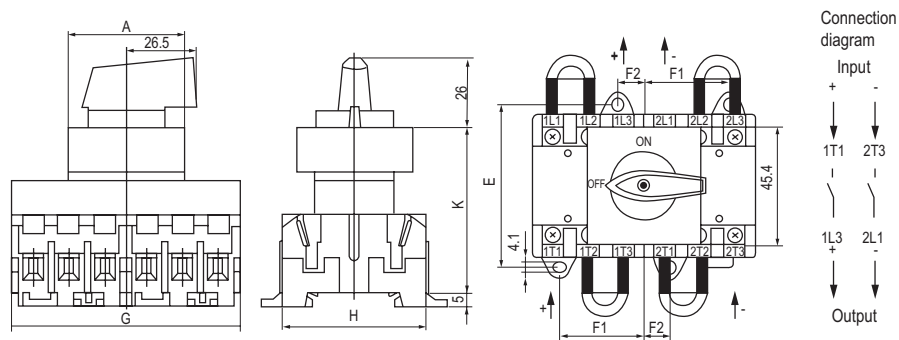
DC (1 × 2P)



| Model | Working current | Working voltage (DC) | Max PV load voltage (DC) | Insulation voltage | Connecting cord diameter (mm) |
|---------|-----------------|----------------------|--------------------------|--------------------|-------------------------------|
| LW30-20 | 16A | 450V | 520V | 690V | φ 2.5 |
| LW30-32 | 25A | 450V | 520V | 690V | φ 4 |
| LW30-40 | 32A | 450V | 520V | 690V | φ 4.5 |
| LW30-20 | 12A | 500V | 575V | 690V | φ 2.5 |
| LW30-32 | 20A | 500V | 575V | 690V | φ 4 |

Use category: DC-22A

DC (1 × 2P)



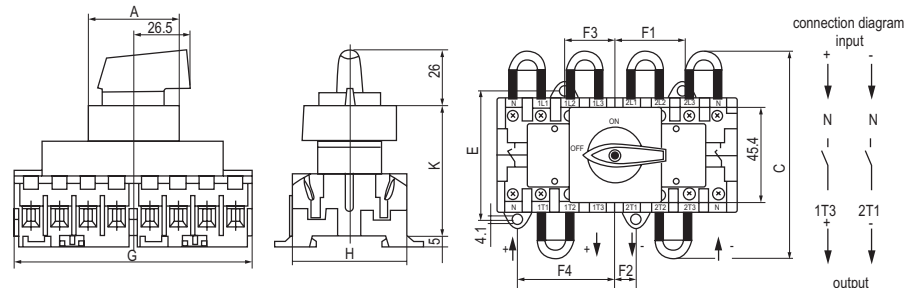
| Model | A | E | F1 | F2 | G | H | K |
|-----------------|-------|----|------|------|-----|----|------|
| LW30-20/LW30-32 | 44 | 60 | 32 | 10 | 84 | 54 | 64 |
| LW30-40 | 105.4 | 70 | 37.5 | 12.5 | 100 | 64 | 62.5 |

| Model | Working current | Working voltage (DC) | Max PV load voltage (DC) | Insulation voltage | Connecting cord diameter (mm) |
|---------|-----------------|----------------------|--------------------------|--------------------|-------------------------------|
| LW30-20 | 16A | 650V | 750V | 1000V | φ 2.5 |
| LW30-32 | 25A | 500V | 575V | 1000V | φ 4 |
| LW30-40 | 32A | 650V | 750V | 1000V | φ 4.5 |
| LW30-20 | 12A | 800V | 920V | 1000V | φ 2.5 |
| LW30-32 | 20A | 650V | 750V | 1000V | φ 4 |

Use category: DC-22A

Photovoltaic DC type

DC (1 × 2P)

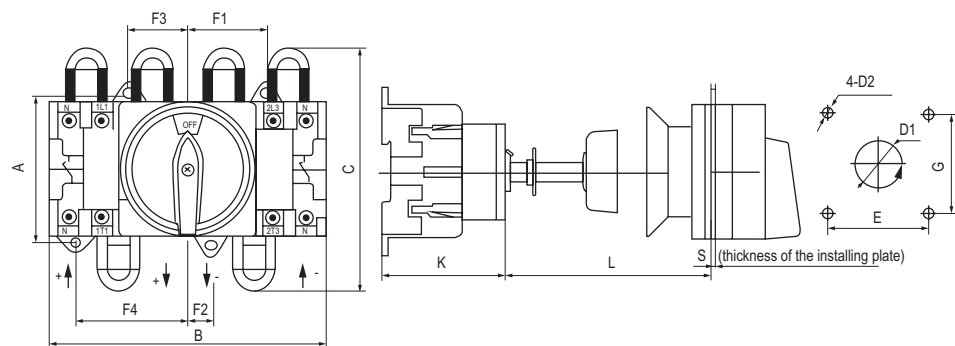
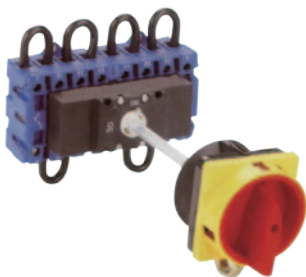


| Model | A | C | E | F1 | F2 | F3 | F4 | G | H | K |
|-----------------|------|-----|----|------|------|------|------|-----|----|------|
| LW30-20/LW30-32 | 44 | 100 | 60 | 32 | 10 | 24 | 46 | 111 | 54 | 64 |
| LW30-40 | 10.5 | 100 | 70 | 37.5 | 12.5 | 28.5 | 53.5 | 132 | 64 | 62.5 |

| Model | Working current | Working voltage (DC) | Max PV load voltage (DC) | Insulation voltage | Connecting cord diameter (mm) |
|---------|-----------------|----------------------|--------------------------|--------------------|-------------------------------|
| LW30-20 | 16A | 800V | 920V | 1000V | φ 2.5 |
| LW30-32 | 25A | 800V | 920V | 1000V | φ 4 |
| LW30-40 | 32A | 800V | 920V | 1000V | φ 4.5 |

Use category: DC-22A

DC (1 × 2P)



| Model | Dimensions (mm) | | | | | | | | | | Installation (mm) | | | |
|---------|-----------------|-----|-----|------|------|------|------|------|--------|-----|-------------------|----|------|-------|
| | A | B | C | K | F1 | F2 | F3 | F4 | L | S | E | G | D1 | D2 |
| LW30-20 | 60 | 111 | 100 | 50.5 | 32 | 10 | 24 | 46 | 32~150 | 1~5 | 48 | 48 | φ 22 | φ 4.5 |
| LW30-25 | 60 | 111 | 100 | 50.5 | 32 | 10 | 24 | 46 | 32~150 | 1~5 | 48 | 48 | φ 22 | φ 4.5 |
| LW30-32 | 60 | 111 | 100 | 50.5 | 32 | 10 | 24 | 46 | 32~150 | 1~5 | 48 | 48 | φ 22 | φ 4.5 |
| LW30-40 | 70 | 132 | 120 | 61 | 37.5 | 12.5 | 28.5 | 53.5 | 32~150 | 1~5 | 48 | 48 | φ 22 | φ 4.5 |
| LW30-63 | 70 | 132 | 120 | 61 | 37.5 | 12.5 | 28.5 | 53.5 | 32~150 | 1~5 | 48 | 48 | φ 22 | φ 4.5 |

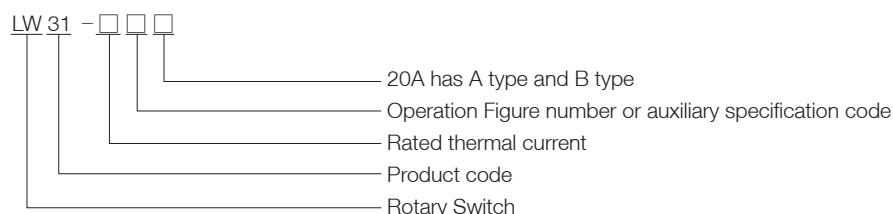
| Model | Working current | Working voltage (DC) | Max PV load voltage (DC) | Insulation voltage | Connecting cord diameter (mm) |
|---------|-----------------|----------------------|--------------------------|--------------------|-------------------------------|
| LW30-20 | 16A | 800V | 920V | 1000V | φ 2.5 |
| LW30-32 | 25A | 800V | 920V | 1000V | φ 4 |
| LW30-40 | 32A | 800V | 920V | 1000V | φ 4.5 |

Use category: DC-22A

Rotary Switch

Introduction

Designation



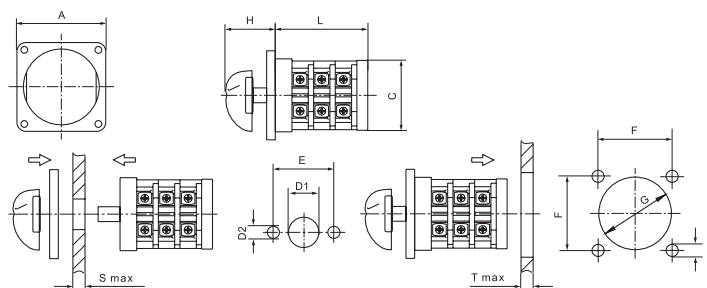
Technical parameters

| Model | LW31-20 | | | | LW31-25 | | | | LW31-32 | | | | LW31-50 | | | | LW31-75 | | | | | | |
|-----------------------------|---------|-----|-----|-----|---------|-----|-----|-----|---------|-----|------|------|---------|-----|------|-----|---------|-----|------|-----|-----|-----|-----|
| Rated thermal current Ith A | 20 | | | | 25 | | | | 32 | | | | 50 | | | | 75 | | | | | | |
| Rated working voltage Ue V | 110 | 220 | 440 | 110 | 220 | 440 | 500 | 690 | 110 | 220 | 440 | 500 | 690 | 110 | 220 | 440 | 500 | 690 | 110 | 220 | 440 | 500 | 690 |
| Rated working current Ie | | | | | | | | | | | | | | | | | | | | | | | |
| AC-21A A | | | 20 | | | | | 25 | | | | 32 | | | | | 50 | | | | | 75 | |
| AC-22A A | | | 16 | | | | | 20 | | | | 32 | | | | | 40 | | | | | 63 | |
| DC-20 A | | 20 | | | 25 | | | | | 32 | | | | | 50 | | | | | 75 | | | |
| Rated control power P | | | | | | | | | | | | | | | | | | | | | | | |
| AC-23A KW | | 5 | 7.5 | | 7.5 | 11 | | 15 | | 11 | 18.5 | 22 | | 15 | 22 | | 30 | | 18.5 | 30 | | 37 | |
| AC-3A KW | | 4 | 5.5 | | 5.5 | 7.5 | | 11 | | 7.5 | 15 | 18.5 | | 11 | 18.5 | | 22 | | 15 | 22 | | 30 | |
| AC-4 KW | | 2.2 | 3 | | 2.2 | 4 | 4 | | | 3 | 5.5 | 5.5 | | | 5.5 | 7.5 | 9 | | | 7.5 | 11 | 15 | |
| DC-23 KW | 0.77 | 1.2 | | 2 | 2.2 | | | | 2 | 2.2 | | | | 3 | 6 | | | | 4 | 8 | | | |

Mechanical life

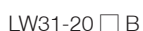
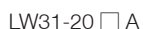
Mechanical life: 0.3×10^6 times, operation frequency is 120 times/h.
Electrical life: 0.6×10^4 times, operation frequency is 120 times/h.

Dimensions and installation



| Model | Plate | Dimensions (mm) | | | Installation (mm) | | | | | | | |
|---------|-------|-----------------|----|--------|-------------------|-------|-------|-----|----|------|-------|---|
| | A | C | H | L | E | D1 | D2 | S | F | G | D3 | T |
| LW31-20 | □ 54 | φ 44 | 38 | 25+12n | 32 | φ 9.5 | φ 3.2 | 1.5 | 35 | φ 45 | φ 4.5 | 6 |
| LW31-20 | □ 72 | φ 44 | 38 | 25+12n | 32 | φ 9.5 | φ 3.2 | 1.5 | 58 | φ 45 | φ 4.5 | 6 |
| LW31-25 | □ 72 | φ 59 | 36 | 23+13n | 33 | φ 9.5 | φ 3.2 | 1.5 | 58 | φ 64 | φ 4.5 | 6 |
| LW31-25 | □ 105 | φ 59 | 53 | 23+13n | 33 | φ 9.5 | φ 3.2 | 1.5 | 85 | φ 64 | φ 4.5 | 6 |
| LW31-32 | □ 72 | φ 59 | 36 | 23+18n | 33 | φ 9.5 | φ 3.2 | 1.5 | 58 | φ 64 | φ 4.5 | 6 |
| LW31-32 | □ 105 | φ 59 | 53 | 23+18n | 33 | φ 9.5 | φ 3.2 | 1.5 | 85 | φ 64 | φ 4.5 | 6 |
| LW31-50 | □ 105 | φ 80 | 53 | 34+18n | 46 | φ 13 | φ 5.3 | 3 | 85 | φ 90 | φ 5.5 | 8 |
| LW31-75 | □ 105 | φ 80 | 53 | 34+27n | 46 | φ 13 | φ 5.3 | 3 | 85 | φ 90 | φ 5.5 | 8 |

Remarks: n for number of layers.



LW31B

Rotary Switch

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Introduction

LW31B rotary switch mainly used for electrical equipment cabinets or three-phase asynchronous motors to load starting speed steering, as well as the main and auxiliary circuits conversion purposes, can fully replace other rotary switches.



LW31B-16 □ A

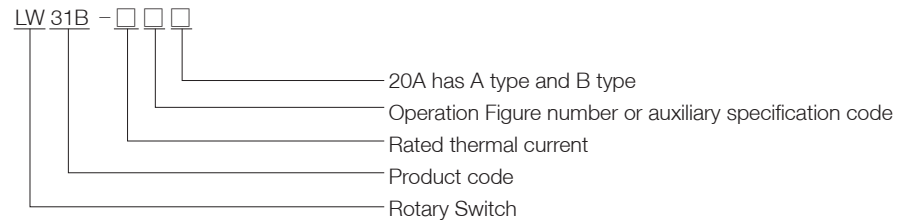


LW31B-16 □ A



LW31B-16 □ B

Designation



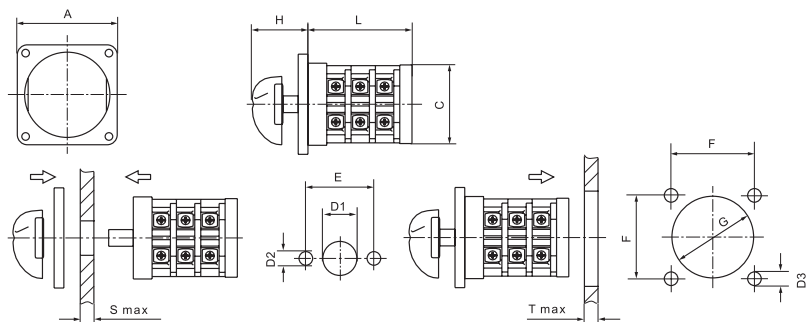
Technical parameters

| Model | LW31B-16 | | | |
|-----------------------|-----------------|----|---------|---------|
| Rated thermal current | I _{th} | A | 16 | |
| Rated working voltage | U _e | V | 380~440 | 220~440 |
| Rated working current | I _e | | | |
| AC-21A | | A | 16 | |
| AC-22A | | A | 16 | |
| AC-15 | | A | 3 | 4 |
| DC-13 | | A | | 0.8 |
| Rated control power | P | | | |
| AC-23A | | KW | 5.5 | 3 |
| AC-2 | | KW | 5.5 | 3 |
| AC-3 | | KW | 4 | 2.2 |
| AC-4 | | KW | 1 | 0.5 |

Mechanical life

Mechanical life: 0.3×10^6 times, operation frequency is 120 times/h.
Electrical life: 0.6×10^4 times, operation frequency is 120 times/h.

Dimensions and installation



| Model | Dimensions (mm) | | | | | | | Installation (mm) | | | | |
|------------|-----------------|--------|-------|--------|----|------|-----|-------------------|----|------|-------|---|
| | A | C | H | L | E | D1 | D2 | S | F | G | D3 | T |
| LW31B-16 □ | 52 | φ 46.5 | 30max | 27+12n | 28 | φ 10 | φ 4 | 1.5 | 35 | φ 47 | φ 4.5 | 6 |

Remarks: n for number of layers.

Switch System & Industrial Automation Solution

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