

Quality touch!



**Pushbuttons
and selector
switches**
PLatinum
series

 **Lovato**
electric

ENERGY AND AUTOMATION

● Pushbuttons and selector switches

Ø22mm

PLatinum



Quality touch!

● QUICK AND EASY ACTUATOR INSTALLATION



- Actuator fixing on the mounting surface, through a Ø22mm drilled hole, is obtained using its **threaded ring**, easily rotated by hand or by socket spanner/wrench.



- Presence on the operator of an **anti-rotation fastener** collapsing inside the seal to allow fitting even when holes do not have a reference index
- The sealing gasket for the actuator mounting surface has a gripping action (suction effect) offering additional **adhesion properties**.



- **Clearly visible reference indications** making the snap-on fitting between the two easy and intuitive.



- Electrical contacts and LED lamp holders are **snapped** onto the mounting adapter.



● HIGH DEGREE OF PROTECTION IEC IP66, IP67, IP69K and UL TYPE 4X

- IP66: powerful water jets
- IP67: water immersion at one metre
- 69K: powerful water jets at high pressure and temperature
- 4X type: UL directives as regards powerful water jets



● ELEGANT STYLE AND ERGONOMIC DESIGN

All the series elements have an ergonomic design and, at the same time, particular care has been given to minimum detail aesthetics.



● LONG ACTUATOR MECHANICAL LIFE

- 5,000,000 cycles: pushbutton actuators and mechanical reset buttons
- 1,000,000 cycles: selectors, double and triple actuators
- 300,000 cycles: emergency actuators



● MATERIALS RESISTENT TO OILS, SOLVENTS AND HYDROCARBONS



● USAGE AT EXTREME TEMPERATURE CONDITIONS

Range between -25° and +70°C.



● INTERNATIONAL CERTIFICATIONS

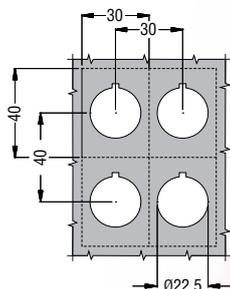


● CONTACT ELEMENTS



- Miniaturised size
- High electric conductivity - 5V 1mA
- **Up to 9 contacts elements** can be installed, 3 rows of 3 elements
- Screw or faston termination
- Contact operation: double breaking action, direct opening operation and self cleaning.

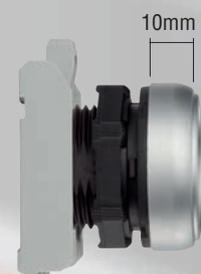
● REDUCED DIMENSIONS AND INTERAXIS



- Minimum 30x40mm pitch between two actuators on a mounting surface.
- Minimum pitch between drilled holes for double and triple touch actuators is 30x55mm.



- Total depth, from the external mounting surface to the end of the first contact element is only **43mm**.



- **Low actuator profile.** The external actuator bezel has a low profile and reduced front thickness.

● Pushbuttons and selector switches Ø22mm



● Pushbutton actuators

- Spring return
- Spring return with symbol
- Push - push
- Illuminated versions



Customising capability

To simplify stock management, the new series allows quick replacement of the actuator cap or lens of spring return types since these are also sold as accessories.

● Selector switches

- Knob
- Key
- Illuminated versions



Knob design assures excellent grip.



High visibility on front or side and actuator inscription shows exact switch position.



Use of **Ronis keys**.



Activation of the centre contacts is standard-supplied on 2 and 3 position selector switches.



● Mechanical and electric reset buttons



Rod adjustment directly on actuator front (1...4mm).



Up to 6 contact elements can be mounted.



● Double and triple touch actuators

- Double with 2 flush pushbuttons
- Double with 1 extended and 1 flush pushbuttons
- Triple with 1 middle extended button
- Double with 1 middle white indicator



● Emergency actuators

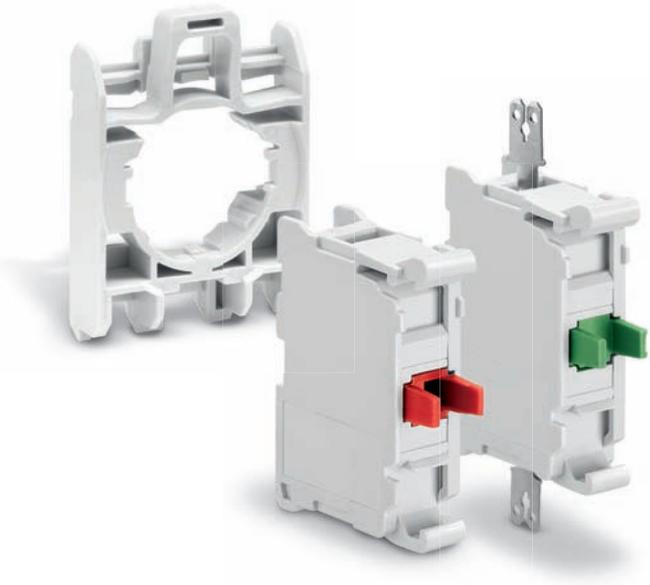


- Spring return
 - Ø40mm and Ø60mm
 - Illuminated version
- Latch, pull to release
 - Ø40mm
 - For normal stopping
 - For emergency stopping, ISO 13850 compliant
- Latch, turn to release
 - Ø30mm and Ø40mm
 - For normal stopping
 - For emergency stopping, ISO 13850 compliant
 - Illuminated version
- Latch, turn key to release
 - Ø40mm
 - For normal stopping
 - For emergency stopping, ISO 13850 compliant
 - Illuminated version



- Actuator structure suitable to warrant direct opening operation with mechanical latching for emergency stopping per **ISO 13850** and **IEC/EN 60947-5-5**.
- There is a green line around the actuator body to spot when the emergency stop is at rest or activated.
- Use of **Ronis keys**
- Padlockable protection against accidental contacts.

Quality touch!



● Contact elements and mounting adapter

- Screw termination
- Faston termination



● LED integrated lamp-holder

- Steady light
- Flashing light

- Miniaturised size
- Long electrical life: 100,000h
- Over-voltage protection
- Withstand to vibrations
- Protection against stray currents in wiring
- Flickering phenomenon reduction
- Supply voltages:
 - 18-30VAC/DC
 - 85-140VAC
 - 185-265VAC.

● LED integrated monoblock pilot lights

- 12VAC/DC ● 24VAC/DC
- 110VAC ● 230VAC



● Monoblock buzzers

- 80dB
- 24VAC/DC ● 110VAC ● 230VAC

● Pilot light head for illuminated actuators



Joysticks with 2 or 4 directions

- Without mechanical interlock
- With mechanical interlock



Control stations

- Version without actuators (up to 5 holes)
- Version complete with one pushbutton

Accessories



- Label holders, neutral labels or with text



- Rubber boots



- Plastic disks



- Diffuser and threaded caps and lenses



ENERGY AND AUTOMATION

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