Pushbutton Switches
A22N-P/A30N-P (Pushbutton Switches, Selector Switches)
M22N-P (Indicators)

- Improved workability in wiring and installation
- Push-In Plus technology for easy wiring
- Changes to the wiring direction and a shorter body provide freedom in the layout

industrial.omron.eu/panelbuilding
New value for control panels

Control panels: The heart of manufacturing sites
Evolution in control panels results in large evolution in production facilities. And if control panel design, control panel manufacturing processes, and human interaction with them are innovated, control panel manufacturing becomes simpler and takes a leap forward. We will continue to achieve a control panel evolution and process innovation through many undertakings starting with the shared Value Design for Panel *1 concept for the specifications of products used in control panels.

*1 Value Design for Panel
Our shared Value Design for Panel (herein after referred to as Value Design) concept for the specifications of products used within control panels will create new value for our control panel customers. Combining multiple products that share the Value Design concept will further increase the value provided.
Push-In Plus technology now contains Pushbutton Switches
Our Push-In Plus technology product portfolio has now been advanced further with the addition of new Pushbutton Switches to the 22 dia./30 dia. series. These products offer new value through further reductions to the work necessary and a more compact design.
Improved workability; wiring and installation

Rear insertion is used, meaning the wiring part can be checked directly and results in easy insertion.

Conventionally, wiring is from the top and bottom (and the tightening of screws is also necessary from the front).

Easy on the worker and improved visibility!

Safety locked by sliding only one piece during installation
Only one step is required for a safety lock.
Only two steps are required for easy removal.

Attachment

Safety lock

Press

Slide

Remove

There is no concern that the locking part may be lost.
Push-In Plus technology for easy wiring

Fast wiring via Push-In Plus technology
Just insert the wires – no tools required. Do all your wiring in less than half the time needed with screw type terminals.

Greatly reduce wiring with Push-In Plus technology.

Screwdriver held in place to free both of your hands
Optimized shape to hold the screwdriver was created by the resin parts and the spring. Work goes smoothly when connecting stranded wires directly to the terminal because it’s easier to aim at the desired terminal.

Easy to insert
Our Push-In Plus technology is as easy as inserting to an earphone jack – reducing your work load while improving wiring quality at the same time.

Held firmly in place
Even though less insertion force is required than other relays series with Push-In Plus technology, the wires are held firmly in place – thanks to the advanced mechanism design and manufacturing technology.

No retightening required
Retightening screws is often necessary for screw terminals, but with push-in plus, there is no (re) tightening.
More lay-out freedom because of shorter body and wiring direction

The body approximately 20% shorter than that of the screw terminal block type for thinner control panels

We have taken every effort to reduce the body length in the design and realized a short body that is in the smallest class* in the industry. This contributes to reductions of the panel thickness.

For 1 to 3 contacts

- Screw terminal block type: 45.3 mm
- Push-In Plus terminal block type: 39.5 mm

Volume: Approx. 20% smaller

For 4 to 6 contacts

- Screw terminal block type: 66.8 mm
- Push-In Plus terminal block type: 55 mm

Volume: Approx. 30% smaller

* According to OMRON investigation in June 2016.

Lighting units for lighted switches are the same size as contact blocks

The size of Lighting Units is reduced in the same ways as Contact Blocks.

No need to secure space above and below for wiring

Rear insertion is used to improve the freedom in the design.
# Product Lineup

## Set Model Numbers

<table>
<thead>
<tr>
<th>Type</th>
<th>Size</th>
<th>Push-in Plus terminal block type</th>
<th>Screw terminal block type</th>
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<tbody>
<tr>
<td><strong>Pushbutton Switch</strong></td>
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</tr>
<tr>
<td>22 dia.</td>
<td></td>
<td>A22NN-P/A22NL-P</td>
<td>A22NN/A22NL</td>
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<td>30 dia.</td>
<td></td>
<td>A30NN-P/A30NL-P</td>
<td>A30NN/A30NL</td>
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<td><strong>Selector Switch</strong></td>
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<tr>
<td>22 dia.</td>
<td></td>
<td>A22NS-P/A22NW-P</td>
<td>A22NS/A22NW</td>
</tr>
<tr>
<td>30 dia.</td>
<td></td>
<td>A30NS-P/A30NW-P</td>
<td>A30NS/A30NW</td>
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<td><strong>Key-type Selector Switch</strong></td>
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<td>A22NK-P</td>
<td>A22NK</td>
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<td>A30NK-P</td>
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<td><strong>Indicator</strong></td>
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<td>M22N-P</td>
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## Button Profile

<table>
<thead>
<tr>
<th>Button Profile</th>
<th>Flat</th>
<th>Projected</th>
<th>Full-guard</th>
<th>Mushroom</th>
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<tbody>
<tr>
<td>Pushbutton</td>
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<td>Brushed metal</td>
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<tr>
<td></td>
<td>Metal</td>
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<tr>
<td>A30N</td>
<td>Brushed metal</td>
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## Color Variation on Button

<table>
<thead>
<tr>
<th>Color Variation on Button</th>
<th>Red</th>
<th>Green</th>
<th>Yellow</th>
<th>White</th>
<th>Blue</th>
<th>Black</th>
<th>Orange</th>
<th>Opaque white</th>
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</table>
Would you like to know more?

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Panels
• Space saving
• Vibration resistance
• Improve airflow

Process
• Designing with CAD & Eplan Library
• Swift customisation
• Express delivery within Europe

People
• Front-in and front-release Easy wiring

New Value For Control Panels

Innovation for panel building Process
Further Evolution for Panels
Simple & Easy for panel business People

Our Panelbuilding portfolio

N E W 2016 Released In October

Switch Mode Power Supplies (High-capacity models)
Sockets for Safety Relays
Push-In Plus Series Pushbutton Switches
Power Monitors (Mounted On-Panel)
Machine Automation Controller

2016 Released In April

Switch Mode Power Supplies (60/120W)
Solid-state Timers
Measuring and Monitoring Relays
Power Monitors (DIN Track mounting)
Common Sockets (for MY/H3Y(N)-B)
Common Sockets (for G2R-S/H3RN-B/K7L-B)
Slim I/O Relays
Solid-state Timers
Solid-state Timers
Liquid Leakage Sensor Amplifiers
L/O Relay Terminals
DIN Track Terminal Blocks

2015 Released

Digital Temperature Controllers
Solid State Relays for Heaters
EtherCAT Slave Terminals
Uninterruptible Power Supply SPS2

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