OMRON

Pushbutton Switches

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

M22N-P (Indicators)

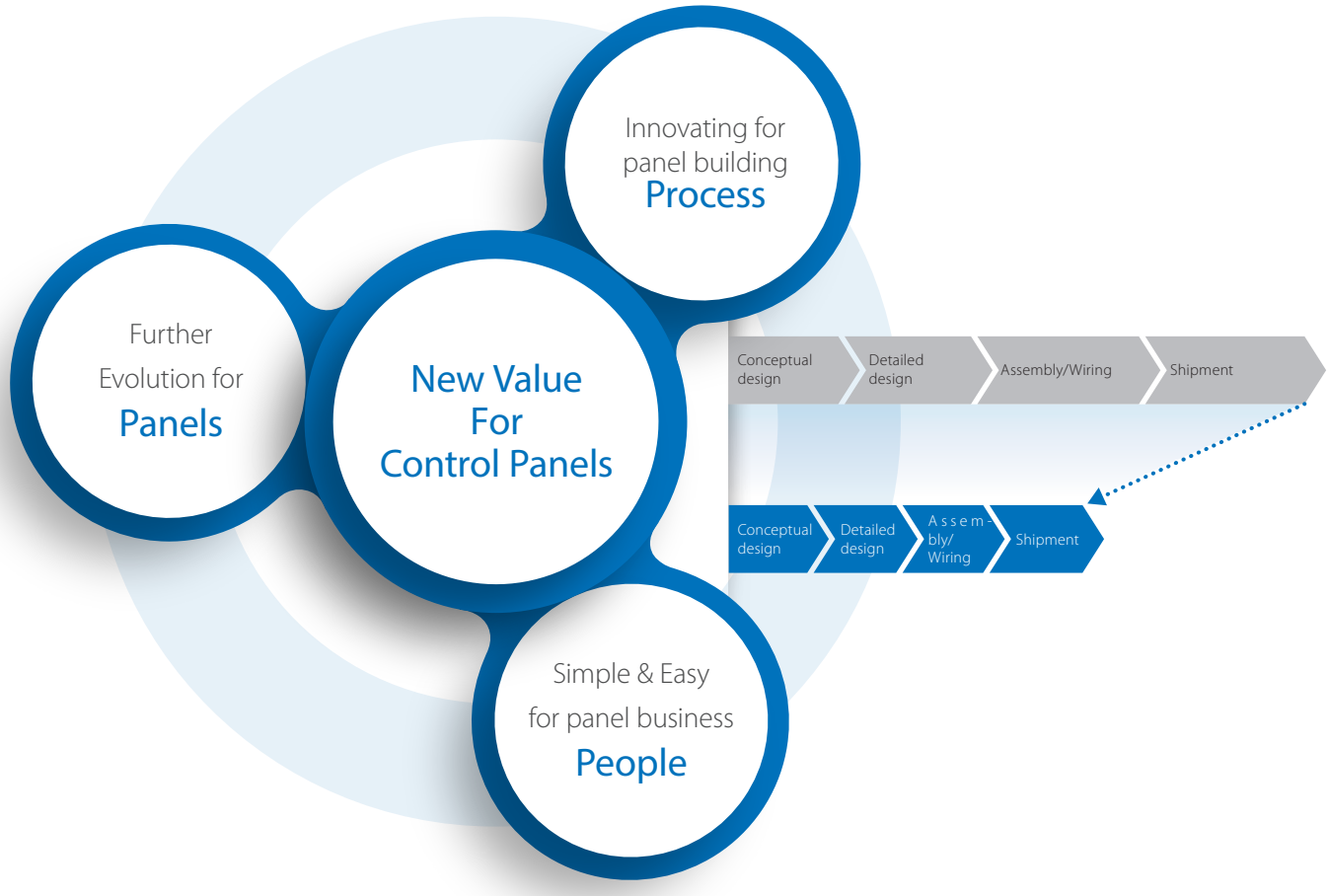
- Improved workability in wiring and installation
- Push-In Plus technology for easy wiring
- Changes to the wiring direction and a shorter body provide freedom in the layout

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.



Value Design for Panel

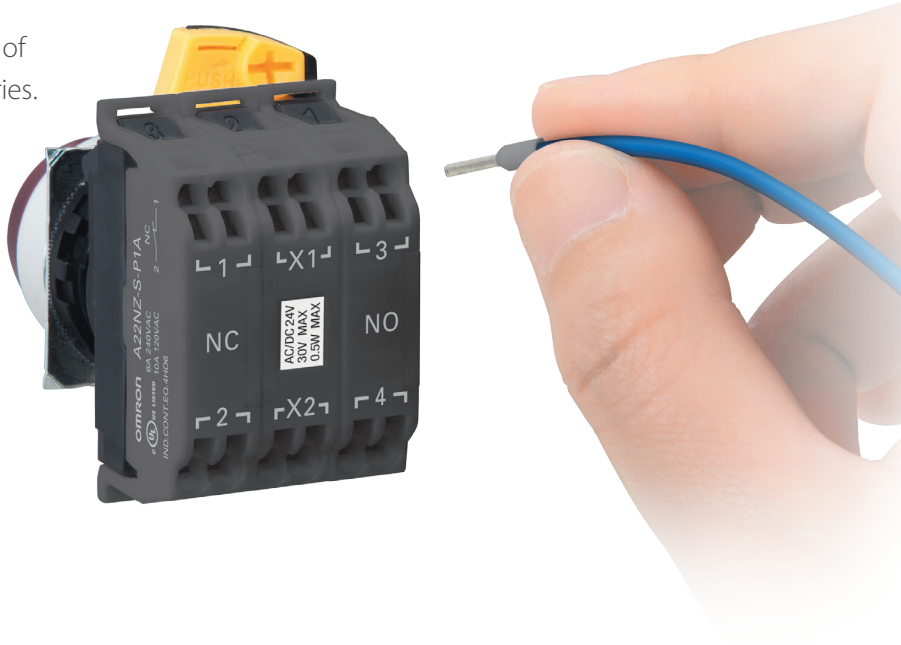
*1 Value Design for Panel

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.

Bringing Advances to Control Panels with Labor-saving and Downsizing

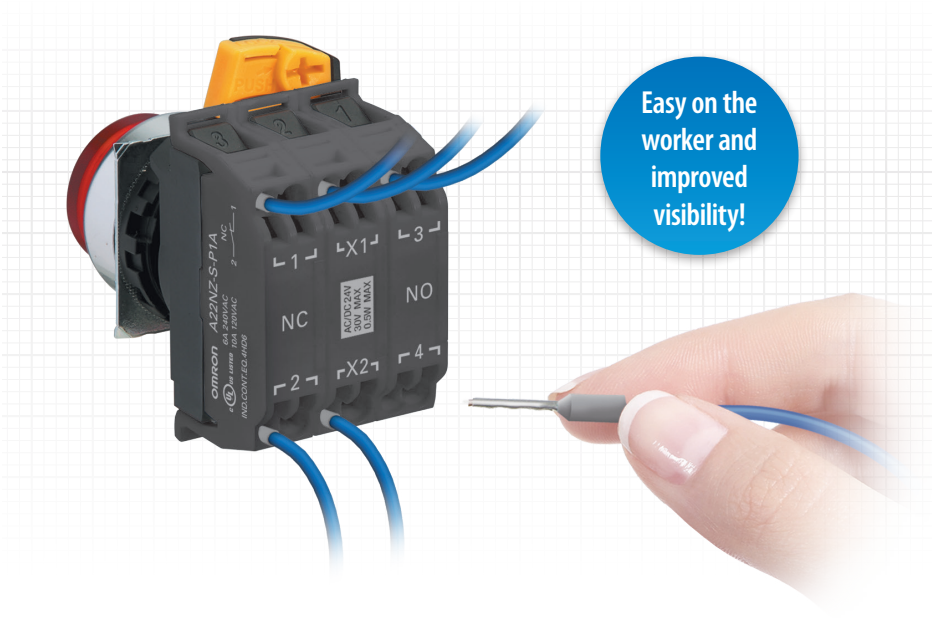
Push-In Plus technology now contains Pushbutton Switches

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.

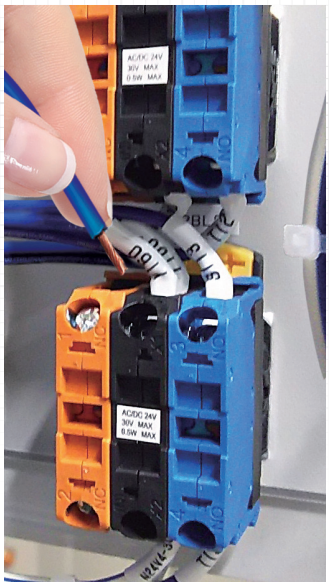


Improved workability; wiring and installation

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

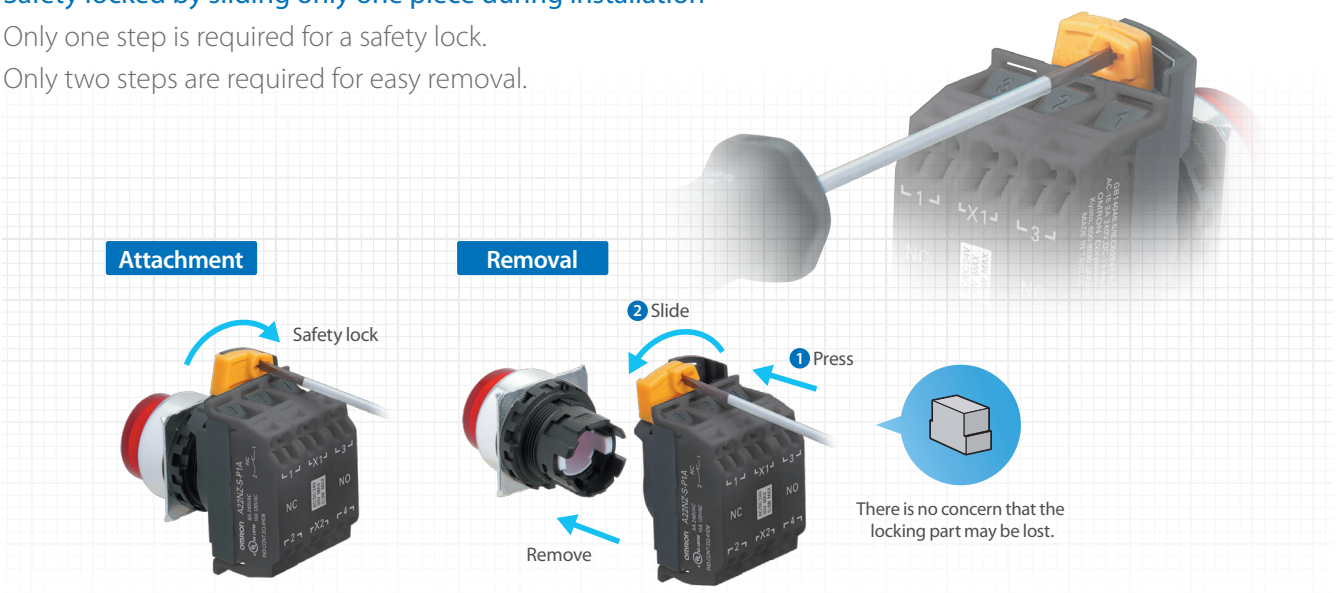


Conventionally, wiring is from the top and bottom
(and the tightening of screws is also necessary from the front)



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.

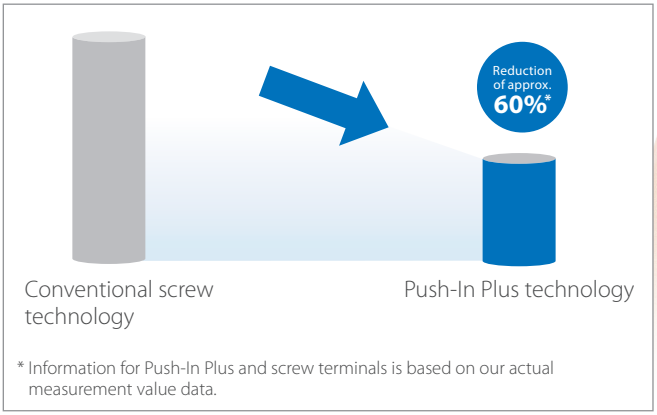


Push-In Plus technology for easy wiring

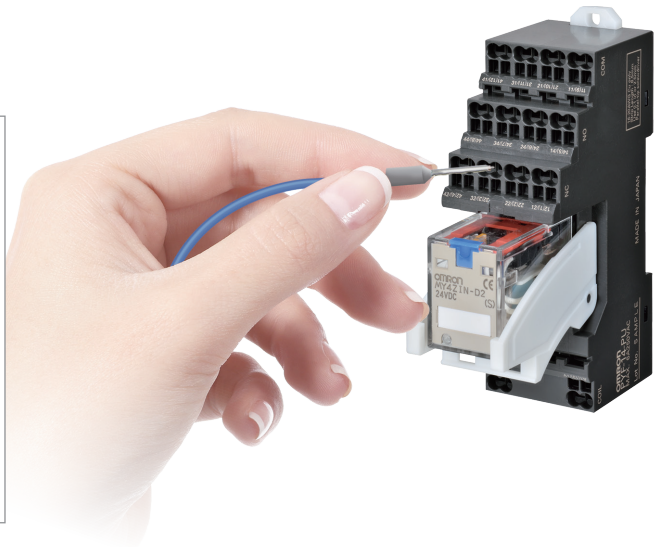
Fast wiring via Push-In Plus technology

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.



* Information for Push-In Plus and screw terminals is based on our actual measurement value data.



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

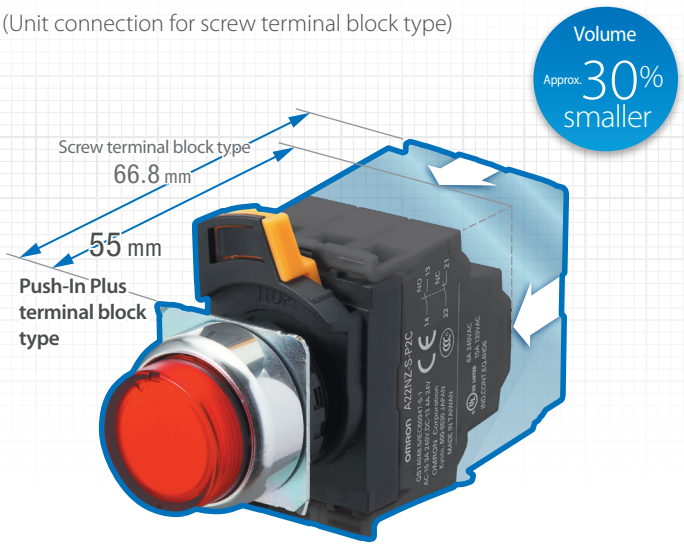
The body approximately 20% shorter than that of the screw terminal block type for thinner control panels

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

For 4 to 6 contacts

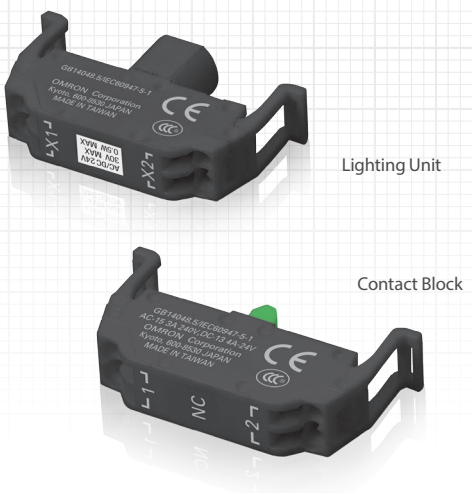
(Unit connection for screw terminal block type)



* According to OMRON investigation in June 2016.

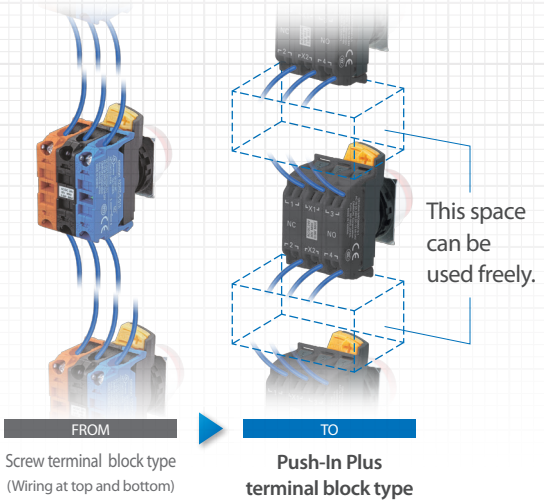
Lighting units for lighted switches are the same size as contact blocks

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

Type	Size	Push-In Plus terminal block type	Screw terminal block type
Pushbutton Switch	22 dia.	A22NN-P/A22NL-P	A22NN/A22NL
	30 dia.	A30NN-P/A30NL-P	A30NN/A30NL
Selector Switch	22 dia.	A22NS-P/A22NW-P	A22NS/A22NW
	30 dia.	A30NS-P/A30NW-P	A30NS/A30NW
Key-type Selector Switch	22 dia.	A22NK-P	A22NK
	30 dia.	A30NK-P	A30NK
Indicator	22 dia.	M22N-P	M22N

Button Profile

	Bezel \ Button	Flat	Projected	Full-guard	Mushroom
A22N	Plastic				
	Brushed metal				
	Metal			—	
A30N	Brushed metal				

Color Variation on Button

		Red	Green	Yellow	White	Blue	Black	Orange	Opaque white
Non-lighted Switches	Opaque							—	—
	Transparent						—		—
Lighted Switches	When not lit						—		
	When lit						—		

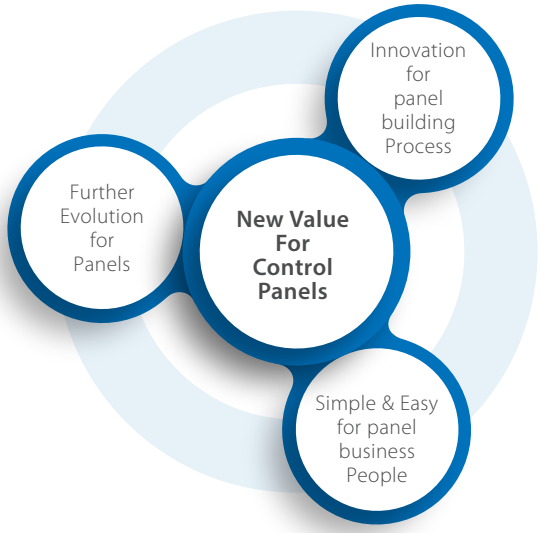
Would you like to know more?

OMRON EUROPE

+31 (0) 23 568 13 00

industrial.omron.eu

omron.me/socialmedia_eu



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

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)

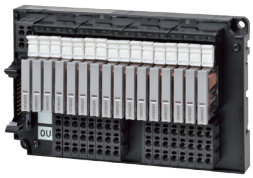

Common Sockets (for G2R-S/H3RN-B/ K7L-B)


Slim I/O Relays


Solid-state Timers


Solid-state Timers


Liquid Leakage Sensor Amplifiers

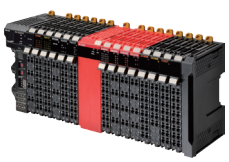

I/O Relay Terminals


DIN Track Terminal Blocks

2015 Released


Digital Temperature Controllers


Solid State Relays for Heaters


EtherCAT Slave Terminals


Uninterruptible Power Supply (UPS)