

# DIN Track Terminal Blocks

XW5T

More Efficient Control Panel Production  
Starts with the Terminals



- Push-In Plus terminal blocks for easy wiring
- Minimum width of 3.5 mm to help downsize control panels
- Web service that helps reduce work in selecting terminal blocks and designing

# 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.

OMRON will continue to achieve a control panel evolution and process innovation through many undertakings starting with the shared Value Design for Panel <sup>\*1</sup> 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 in control panels will create new value to our customer's control panels.

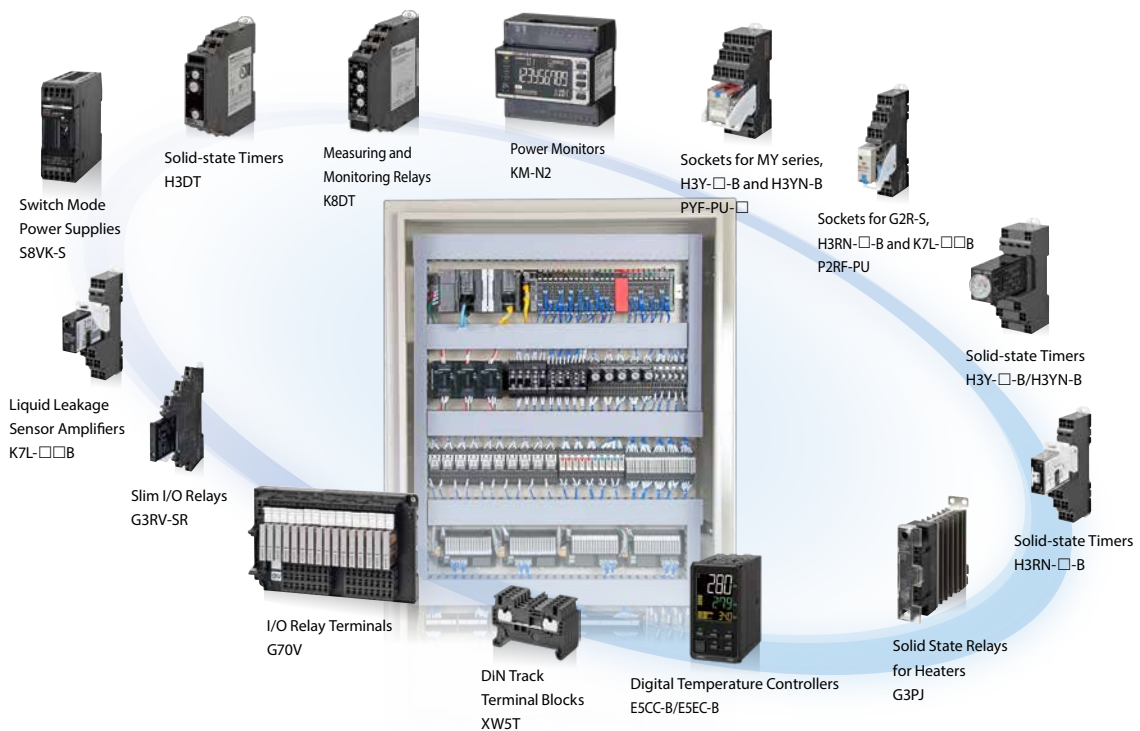
Combining multiple products that share the Value Design concept will further increase the value provided to control panels.



# More Efficient Control Panel Production Starts with the Terminals

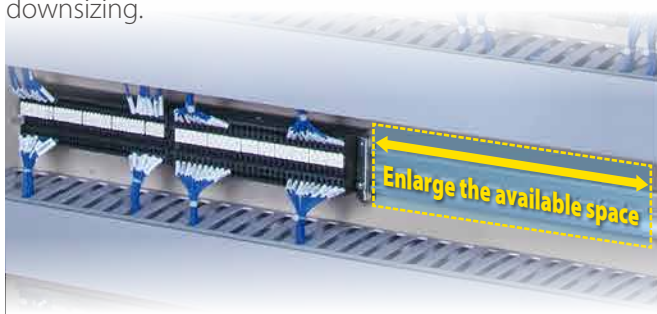
## Make Your Panel Production More Efficient with OMRON Control Panel Components

We will help you downsize control panels with OMRON control panel components that connect to terminal blocks. We can also help you reduce terminal preparation and wiring work and reduce stock management work by maximizing the use of the components to unify tools and wires.



### Create More Space in Control Panels with Terminal Blocks That Are Only 3.5 mm Wide

Terminal blocks are the most numerous, most space-eating components in control panels. OMRON has achieved the top class\* in the industry for downsizing.



\*According to OMRON investigation in November 2015.

### Change Over from Tightening Screws to Inserting Wires into Push-In Plus Terminal Blocks to Save Wiring Work

Wiring is essential in manufacturing control panels, and it has a large weight in the lead time for control panel production. Simplifying and accelerating wiring work therefore dramatically decreases the lead time for control panel production.





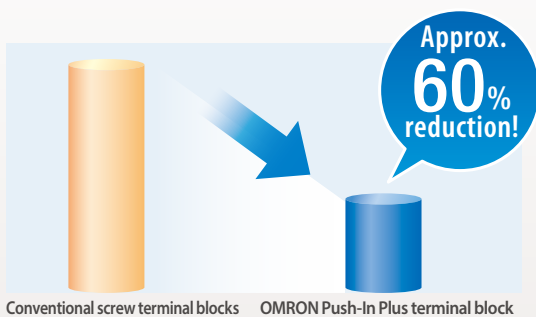
# Push-In Plus Terminal Blocks for Easy Wiring

Just Insert Wires: No Tools Required

Now you can use Push-In Plus terminal blocks to reduce the time and work involved in wiring.



Greatly Reduce Wiring Work with Push-In Plus Terminal Blocks



\*Information for Push-In Plus and screw terminal blocks is based on OMRON's actual measurement value data.

## Easy to Insert

OMRON's Push-In Plus terminal blocks are as easy as inserting to an earphone jack. They help reduce the work load and improve wiring quality.

## Held Firmly in Place

Even though less insertion force is required, the wires are held firmly in place. The advanced mechanism design technology and manufacturing technology produced a spring that ensures better workability and reliability.

IEC standard (cable diameter)	Push-In Plus terminal block	Screw terminal block
20 N min. (AWG20, 0.5 mm <sup>2</sup> )	125 N	112 N

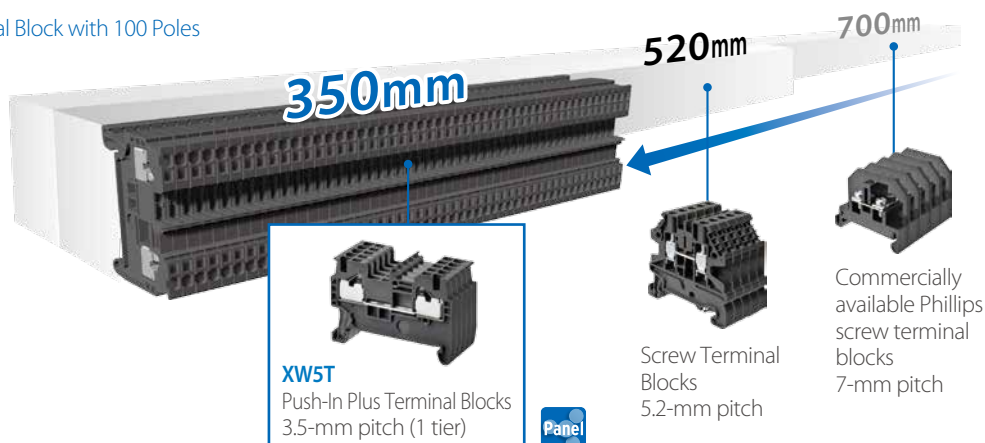
\*Information for Push-In Plus and screw terminal blocks is based on OMRON's actual measurement value data.

# Minimum Width of 3.5 mm to Help Downsize Control Panels

Using Push-In Plus Terminal Blocks lets you save space and downsize control panels.

Terminal Block with 100 Poles

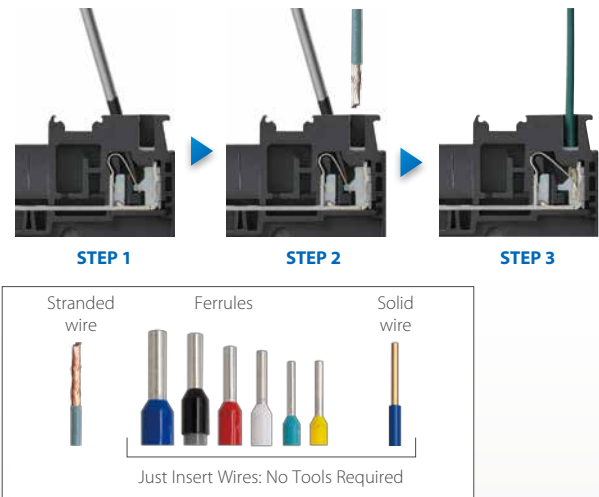
Approx. 50% More Compact



Wiring Possible with Stranded Wires

You can insert wires with pin terminals or ferrules, or you can also insert solid wires or stranded wires.

When a stranded wire is used: 3 Steps



No Retightening Required

The retightening that is required for screw terminal blocks is not required for Push-in Plus terminal blocks. Your work load is reduced not only when wiring, but also for inspections, delivery (shipping), and maintenance.



Screwdriver Held in Place to Free Both 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.



Safe

The terminals never touch your fingers, ensuring safety.

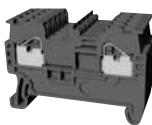

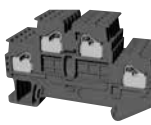

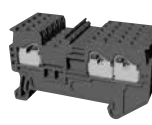

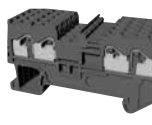

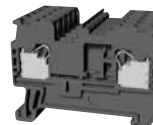







Web Service That Helps Reduce Work in Selecting Terminal Blocks and Designing

- If you use OMRON's website, you can easily select the Terminal Blocks to connect to the control panel components that you have selected.
- You can easily confirm the dimensions of the Terminal Blocks that you have selected.
- And you can easily create Terminal Block parts lists (BOMs) and marking formats.



(This window is for illustrative purposes only.)


## Product Lineup

	3.5 mm width				5.2 mm width	6.2 mm width
Model	XW5T-P1.5-1.1-1 XW5T-P1.5-1.1-1BL XW5G-P1.5-1.1-1	XW5T-P1.5-1.1-2 XW5T-P1.5-1.1-2BL XW5G-P1.5-1.1-2	XW5T-P1.5-1.2-1 XW5T-P1.5-1.2-1BL XW5G-P1.5-1.2-1	XW5T-P1.5-2.2-1 XW5T-P1.5-2.2-1BL XW5G-P1.5-2.2-1	XW5T-P2.5-1.1-1 XW5T-P2.5-1.1-1BL XW5G-P2.5-1.1-1	XW5T-P4.0-1.1-1 XW5T-P4.0-1.1-1BL XW5G-P4.0-1.1-1
Appearance	 1 tier 	 2 tiers 	 1 tier 	 1 tier 	 1 tier 	 1 tier 
Connections	1:1		1:2		1:1	1:1
Maximum applicable wire size	1.5 mm <sup>2</sup> (AWG14)				4.0 mm <sup>2</sup> (AWG12)	6.0 mm <sup>2</sup> (AWG10)
Rated current	17.5 A				24 A	32 A
Colors	 Dark gray  Blue  Green/yellow stripes (for ground)					
Standards						

Refer to the XWST Series DIN Track Terminal Blocks Datasheet (Cat. No. G124) for details.

## Products That Create New Value in Control Panels






Switch Mode Power Supplies  
S8VK-S




Uninterruptible Power Supply (UPS)  
S8BA




Power Monitors  
KM-N2



Digital Temperature Controllers  
E5CC-B/E5EC-B




Measuring and Monitoring Relays  
K8DT



Solid-state Timers  
H3DT




Solid-state Timers  
H3Y-□-B/H3YN-B




Solid-state Timers  
H3RN-□-B




Liquid Leakage Sensor Amplifiers  
K7L-□□B



Sockets for MY series,  
H3Y-□-B and H3YN-B  
PYF-PU-□




Sockets for G2R-S,  
H3RN-□-B and K7L-□□B  
P2RF-PU




Slim I/O Relays  
G2RV-SR



Slim I/O Relays  
G3RV-SR



I/O Relay Terminals  
G70V



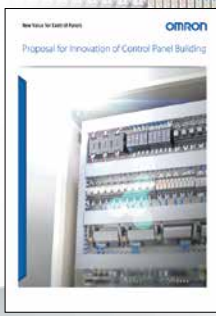
Solid State Relays  
for Heaters  
G3PJ



DIN Track Terminal Blocks  
XW5T

Panel Assist Web

[www.ia.omron.com/solution/panel/](http://www.ia.omron.com/solution/panel/)

Proposal for Innovation of Control Panel Building  
Cat. No. Y218

Before you place an order, please read and understand "Agreement for Using the Product" available on Omron's latest "Best control devices Omron", "General Brochure" or Omron's website.

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