

# PFXSTW6200WAD

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## Standard product information

<b>Family</b>	Web HMI
<b>Series</b>	STW6000 Series
<b>Size</b>	4" Wide
<b>Model</b>	PFXSTW6200WAD
<b>Global Code</b>	PFXSTW6200WAD
<b>Sales Status</b>	Sale
<b>Repair Status</b>	✓ (Maintenance service is available, able to be maintained.)

## Display specifications

<b>Display type</b>	TFT Color LCD
<b>Display size</b>	4.3" Wide
<b>Resolution</b>	480 x 272 pixels
<b>Effective display area</b>	W95.04 x H53.86 mm [W3.74 x H2.12 in]
<b>Display colors</b>	16 million colors <sup>*1</sup>
<b>Backlight</b>	White LED (Not user replaceable. When replacement is required, contact your local distributor.)
<b>Backlight service life</b>	50,000 hrs. or more (each in continuous operation at 25 °C [77 °F] before backlight brightness decreases to 25%)
<b>Brightness control</b>	16 Levels (Adjusted with touch panel)
<b>Touch panel type</b>	Resistive Film (analog, single-touch)
<b>Touch panel resolution</b>	1,024 x 1,024
<b>Touch panel lifetime</b>	1,000,000 times or more


\*1 For details about Display colors, refer to the manual for your screen editing software.

## Electrical specifications

<b>Rated input voltage</b>	24 Vdc
<b>Input voltage limits</b>	19.2 to 28.8 Vdc
<b>Allowable voltage drop</b>	2 ms or less

<b>Power consumption</b>	Max. 6.9 W When power is not supplied to external devices: 3.6 W or less When screen turns off the backlight (standby mode): 2.8 W or less
<b>In-rush current</b>	30 A or less
<b>Voltage endurance</b>	1,000 Vac, 20 mA for 1 minute (between power terminal and FG terminals)
<b>Insulation resistance</b>	500 Vdc, 10 MΩ or more (between power terminal and FG terminals)

Environmental specifications

<b>International safety standards</b>	
<b>Surrounding air temperature</b>	0 to 50 °C [32 to 122 °F]
<b>Storage temperature</b>	-20 to +60 °C [-4 to 140 °F]
<b>Dust</b>	0.1 mg/m <sup>3</sup> (10 <sup>-7</sup> oz/ft <sup>3</sup> ) or less (non-conductive levels)
<b>Pollution degree</b>	For use in Pollution Degree 2 environment
<b>Corrosive gases</b>	Free of corrosive gases
<b>Air pressure (altitude range)</b>	800 to 1,114 hPa (2,000 m [6,561 ft.] above sea level or less)
<b>Vibration resistance</b>	IEC/EN 61131-2 compliant 5 to 9 Hz single amplitude 3.5 mm [0.14 in.] 9 to 150 Hz fixed acceleration: 9.8 m/s <sup>2</sup> X, Y, Z directions for 10 cycles (approx. 100 min.)
<b>Concussion resistance</b>	IEC/EN 61131-2 compliant 147 m/s <sup>2</sup> , X, Y, Z directions for 3 times
<b>Electrical fast transient/burst</b>	IEC 61000-4-4 2 kV: Power port (display unit) 1 kV: Signal ports
<b>Electrostatic discharge immunity</b>	Contact Discharge Method: 6 kV Air Discharge Method: 8 kV (IEC/EN61000-4-2 Level 3)

Interface specifications

<b>USB (Type A)</b>	Conforms to USB 2.0 (Type A) x 1 Power supply voltage: 5 Vdc ±5 % Output Current: 500 mA or less Communication distance: 5 m [16.4 ft.] or less
<b>USB (micro-B)</b>	--The USB (micro-B) interface is disabled.
<b>Ethernet</b>	IEEE802.3i / IEEE802.3u, 10BASE-T / 100BASE-TX, Connector: Modular jack (RJ-45) x 1

Structural specifications

<b>Grounding</b>	Functional grounding: Grounding resistance of 100 Ω, 2mm <sup>2</sup> (AWG 14) or thicker wire, or your country's applicable standard. (Same for FG and SG terminals)
<b>Cooling method</b>	Natural air circulation
<b>Structure</b>	IP65F, Type 1, Type 4X (indoor use only), Type 13 (on the front panel when properly installed in an enclosure)*2
<b>External dimensions</b>	W134.5 x H108.5 x D43 mm [W5.3 x H4.27 x D1.69 in.]
<b>Panel cut-out dimensions</b>	W118.5 x H92.5 mm [W4.67 x H3.64 in.] Panel thickness area: 1.6 to 5 mm [0.06 to 0.2 in.] When using spring clips:

	Position 1: 1.5 to 4 mm [0.06 to 0.16 in.] Position 2: 4 to 6 mm [0.16 to 0.24 in.]*3
<b>Weight</b>	0.4 kg [0.88 lb] or less

\*2 For dimensional tolerance, everything +1/-0 mm (+0.04/-0 in) and R in angle are below R3 (R0.12 in)

\*3 For dimensional tolerance, everything +1/-0 mm [+0.04/-0 in.] and R in angle are below R3 [R0.12 in.]. Even if the installation wall thickness is within the recommended range for the "Panel Cut Dimensions", depending on wall's material, size, and installation location of GP unit and other devices, the installation wall could warp. To prevent warping, the installation surface may need to be strengthened.

Dimensions

<p><b>External dimensions</b></p>	<p>1. Front 2. Left 3. Bottom</p>						
<p><b>Panel cut-out dimensions</b></p>	<table border="1" data-bbox="487 1207 1218 1312"> <thead> <tr> <th>A</th> <th>B</th> <th>C</th> </tr> </thead> <tbody> <tr> <td>118.5 mm (+1/0 mm) (4.67 in. [+0.04/0 in.])</td> <td>92.5 mm (+1/0 mm) (3.64 in. [+0.04/0 in.])</td> <td>1.6 to 5 mm (0.06 to 0.2 in.)</td> </tr> </tbody> </table>	A	B	C	118.5 mm (+1/0 mm) (4.67 in. [+0.04/0 in.])	92.5 mm (+1/0 mm) (3.64 in. [+0.04/0 in.])	1.6 to 5 mm (0.06 to 0.2 in.)
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<p><b>External dimensions with cable</b></p>	<p>1. Rear 2. Right</p>						