Pro-face
by Schneider Electric

🌐 Worldwide contacts

STM6000 Series   ▼

PFXSTM6200WAD

Standard product information	Display specifications
Electrical specifications	Environmental specifications
Memory	Interface specifications
Structural specifications	Dimensions

Standard product information

Family	HMI
Series	ST6000 Series
Size	4" Wide
Model	PFXSTM6200WAD
Global Code	PFXSTM6200WAD
Product Features	Modular 4" DC Analog
Repair Status	- (Maintenance service is not available. Replace with a new unit under warranty.)

The power consumption for the combined unit of the rear module and the display module equals the sum of power consumption of the two modules.

EQUIPMENT DAMAGE
• Store this product in areas where temperatures are within the product's specifications.
• Do not restrict or block the product's ventilation slots.
Failure to follow these instructions can result in equipment damage.

Display specifications

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

Electrical specifications

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Environmental specifications

International safety standards	CE ⬡ DNV ⚓ EAC KC ABS RINA UL Listed cUL Listed UL /cUL
Surrounding air temperature	0 to 50 °C [32 to 122 °F]
Storage temperature	-20 to +60 °C [-4 to 140 °F]
Ambient humidity	10 to 90 % RH (Wet bulb temperature: 39 °C [102.2 °F] max. - no condensation)
Storage humidity	10 to 90 % RH (Wet bulb temperature: 39 °C [102.2 °F] max. - no condensation)
Dust	0.1 mg/m^3 (10^{-7} oz/ft^3) or less (non-conductive levels)
Pollution degree	For use in Pollution Degree 2 environment
Corrosive gases	Free of corrosive gases
Air pressure (altitude range)	800 to 1,114 hPa (2,000 m [6,561 ft.] above sea level or less)
Vibration resistance	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^2 X, Y, Z directions for 10 cycles (approx. 100 min.)
Concussion resistance	IEC/EN 61131-2 compliant 147 m/s^2, X, Y, Z directions for 3 times
Electrical fast transient/burst	IEC 61000-4-4 2 kV: Power port (display unit) 1 kV: Signal ports
Electrostatic discharge immunity	Contact Discharge Method: 6 kV Air Discharge Method: 8 kV (IEC/EN61000-4-2 Level 3)

Memory

Application memory	**When using GP-Pro EX:** - Media: FLASH EPROM - Screen Area: 64MB *Use the screen area when the user font area's capacity is exceeded - for example, when an image font or a picture font is used. - User Font Area: 8MB - Logic Program Area: 132KB (Equivalent to 15,000 steps) *Up to 60,000 steps can be converted in software. However, this reduces application memory capacity (for screen data) by 1 MB. - Free Space: None **Removable System:** No
Backup memory	**When using GP-Pro EX:** - Screen Area: SRAM 320KB

- Variable Area: SRAM 64KB

Battery: Replaceable battery / Primary battery for clock data backup

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Interface specifications

Serial (COM1)	Asynchronous Transmission: RS-232C / 422 / 485, Data Length: 7 or 8 bits, Stop Bit: 1 or 2 bits, Parity: None, Even or Odd, Data Transmission Speed: 2,400 to 115,200 bps, Connector: D-Sub 9 pin (plug)
USB (Type A)	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
USB (micro-B)	USB 2.0 (micro-B) x 1, Communication Distance: 5 m [16.4 ft]
Ethernet	IEEE802.3i / IEEE802.3u, 10BASE-T / 100BASE-TX, Connector: Modular jack (RJ-45) x 2

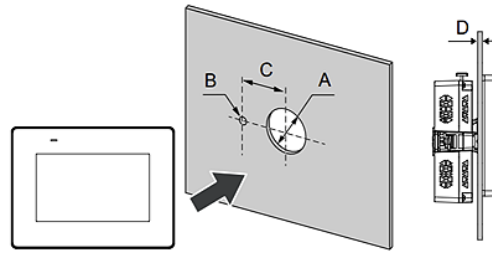
Structural specifications

Grounding	Functional grounding: Grounding resistance of 100 Ω, 2mm^2 (AWG 14) or thicker wire, or your country's applicable standard. (Same for FG and SG terminals)
Cooling method	Natural air circulation
Structure	Rear Module: IP20 Display Module: IP65F, UL 50/50E, Type 1, Type 4X (indoor use only), Type 12, Type 13[*1]
External dimensions	Rear Module: W145.6 x H108.23 xD 41.4 mm [W5.73 x H4.26 x D1.63 in] (excluding protrusions) Display Module: W140.4 x H101.1 x D13.9 mm [W5.53 x H3.98 x D0.55 in] (excluding protrusions)
Panel cut-out dimensions	Diameter 22.5 mm (0.88 in)
Weight	Rear Module: 0.27 kg (0.6 lb) or less Display Module:0.22 kg (0.49 lb) or less

*1 The front face of the unit, installed in a solid panel, has been tested using conditions equivalent to the standards shown in the specification. Even though the unit's level of resistance is equivalent to these standards, oils that should have no effect on the unit can possibly harm the unit. This can occur in areas where either vaporized oils are present, or where low viscosity cutting oils are allowed to adhere to the unit for long periods of time. If the unit's front face protection sheet becomes peeled off, these conditions can lead to the ingress of oil into the unit and separate protection measures are suggested. Also, if non-approved oils are present, it may cause deformation or corrosion of the front panel's plastic cover. Therefore, prior to installing the unit, be sure to confirm the type of conditions that will be present in the unit's operating environment. If the installation gasket is used for a long period of time, or if the unit and its gasket are removed from the panel, the original level of the protection cannot be guaranteed. To maintain the original protection level, be sure to replace the installation gasket regularly.

Dimensions

External dimensions	

Panel cut-out dimensions

A	B	C
22.5 mm (+0/-0.3 mm) (0.88 in [+0/-0.01 in])	4.0 mm (+0/-0.2 mm) (0.15 in [+0/-0.007 in])	30.0 mm (+0/-0.2 mm) (1.18 in [+0/-0.007 in])

Panel thickness recommended range:

Panel material	Thickness range (D)
Steel	1.5... 6.0 mm (0.06... 0.23 in)
Glass fiber reinforced plastics (minimum GF30)	3.0... 6.0 mm (0.12... 0.23 in)