



Main

Range of product	Pro-face ST6000
Product or component type	Touch panel screen

Complementary

Display size	5.7 inch
Display type	Colour TFT LCD
Display colour	262000 colours
Display resolution	640 x 480 pixels VGA
Touch panel	Single touch analogue resistive
Backlight lifespan	25000 hours with white
Brightness	16 levels via touch panel
[Us] rated supply voltage	24 V DC
Inrush current	30 A
Input voltage limits	19.2...28.8 V DC
Allowable voltage drop time	10 ms
Voltage endurance	1000 V AC during 1 min
Maximum power consumption in W	11.3 W 8 W when power is not supplied to external devices 5.6 W when backlight is OFF
Memory description	User data memory 64 MB Backup memory 320 kB
Integrated connection type	COM1 serial link 1 SUB-D 9-pin male, interface: RS232C/RS422/RS485, transmission rate: 2400...187500 bps compatible with Siemens MPI USB 2.0 type A USB 2.0 type micro B Ethernet female RJ45 10BASE-T/100BASE-TX
Data format	8 bits, no parity, 1 or 2 stop even or odd
Electrical connection	Cable 2 mm ² , AWG 14, max resistance 100 Ohm for functional grounding
Type of cooling	AN (air natural)
Realtime clock	Built-in
Fixing mode	By 4 screws, mounting on 1.6...5 mm thick panel conforming to UL 61010-2-201 By 4 screws conforming to IEC 61131-2 Conforming to IEC 61000-6-2
Enclosure material	PC
Front material	Aluminium
Discrete input number	2 for fast input (normal mode) conforming to IEC 61131-2 Type 1 16 for digital input conforming to IEC 61131-2 Type 1
Discrete input voltage	24 V DC, discrete input logic: sink or source (positive/negative)
Number of common point	1 for fast input (HSC mode) 1 for digital input

Discrete input current	2.25 MA for fast input 2.25 mA for digital
Sensor power supply	15...28.8 V DC \geq 15 V, current (state 1): \geq 2.2 mA \leq 5 V, current (state 0): \leq 1 mA
Configurable filtering time	0.004...0.04 ms bounce filter
Maximum input frequency	100 kHz for fast input (HSC mode) - control type 1 pulse/direction or A/B encoder input For digital input
Maximum cable distance between devices	Unshielded cable: <10 m for fast input Unshielded cable: <50 m for digital input
Connection pitch	3.5 mm
Isolation between channels	None
Discrete output number	2 fast output (PLS/PWM/PTO mode), output logic: sink 16 digital output, output logic: sink
Discrete output voltage	24 V DC (voltage limit: 19.2...28.8 V) with transistor discrete output(s)
Input/output number	2 for fast input 16 for digital input 2 for fast output 16 for digital output
Discrete output current	For high speed input For digital input 50 mA 3.2 A) for fast output (PLS/PWM/PTO mode) 0.3 A for digital output
Maximum output frequency	65 kHz for fast output (PWM or PTO mode)
Absolute accuracy error	± 10 % of full scale
Cut-out dimensions	156 (+ 1/- 0) x 123.5 (+ 1/- 0) mm
Height	170 mm
Width	137 mm
Depth	60 mm
Net weight	0.8 kg

Environment






Standards	IEC 61000-6-4 IEC 61000-6-2 IEC 61131-2 UL 61010-2-201 CSA C22.2 No 61010-2-201 KN 11 KN 61000-6-2
Product certifications	CE[RETURN]UL/cUL listed[RETURN]KC[RETURN]RCM[RETURN]UKCA
Directives	2014/30/EU - electromagnetic compatibility
Ambient air temperature for operation	0...50 °C
Ambient air temperature for storage	-20...60 °C
Relative humidity	10...90 % non-condensing
Storage Relative Humidity	10...90 % non-condensing
Operating altitude	2000 m
IP degree of protection	IP20 (rear panel) conforming to IEC 61131-2 IP65f (front panel) conforming to IEC 61131-2
NEMA degree of protection	NEMA 4X front panel (indoor use) NEMA Type 1 NEMA 13 front panel (in enclosure)
Pollution degree	2
Environmental characteristic	Corrosive gas free
Shock resistance	147 m/s ² for 11 ms (X, Y, Z directions for 3 times) conforming to IEC 61131-2
Vibration resistance	± 3.5 mm (f = 5...9 Hz) X, Y, Z directions for 10 cycles (approx. 100 min) conforming to IEC 61131-2 9.8 m/s ² (f = 9...150 Hz)

Insulation resistance	>= 10 MOhm
Electromagnetic compatibility	Electrical fast transient/burst immunity test - test level: 2 kV (power ports) conforming to IEC 61000-4-4 Electrical fast transient/burst immunity test - test level: 1 kV (signal ports) conforming to IEC 61000-4-4 Electrostatic discharge immunity test - test level: 6 kV level 3 (contact discharge) conforming to IEC 61000-4-2 Electrostatic discharge immunity test - test level: 8 kV level 3 (air discharge) conforming to IEC 61000-4-2

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	12.000 cm
Package 1 Width	22.500 cm
Package 1 Length	27.000 cm
Package 1 Weight	1.302 kg
Unit Type of Package 2	S04
Number of Units in Package 2	7
Package 2 Height	30.000 cm
Package 2 Width	40.000 cm
Package 2 Length	60.000 cm
Package 2 Weight	10.368 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	 End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov