



Main

Range of product	Pro-face GP4000
Product or component type	Touch panel screen
Software designation	GP-Pro EX

Complementary

Display size	12.1 inch
Display type	Colour TFT LCD
Display colour	65536 colours
Display resolution	800 x 600 pixels SVGA
Touch panel	Single touch analogue resistive
Backlight lifespan	50000 hours with white
Brightness	16 levels via touch panel 16 levels by software
Character font	Japanese ASCII Chinese (simplified Chinese) Chinese (traditional Chinese) Korean Cyrillic Thai
[Us] rated supply voltage	24 V DC
Inrush current	30 A
Input voltage limits	19.2...28.8 V DC
Voltage endurance	1000 V AC during 1 min
Local signalling	Status LED green, steady for offline Status LED green, steady for operating status (RUN) Status LED green, flashing for logic stop Status LED orange, flashing for software starting up Status LED red, steady for power ON Status LED red, flashing for ERR (Error)
Maximum power consumption in W	17 W 12 W when power is not supplied to external devices 7 W backlight off (standby mode) 8 W backlight dimmed (brightness: 20%)
Memory description	User data memory 32 MB Backup memory 320 kB

Integrated connection type	COM1 serial link 1 SUB-D 9-pin male, interface: RS232C, transmission rate: 2400...115200 bps COM2 serial link 1 SUB-D 9-pin male, interface: RS422/RS485, transmission rate: 2400...115200 bps COM2 serial link 1 SUB-D 9-pin male, interface: RS422/RS485, transmission rate: 187.5 kbps compatible with MPI USB 2.0 type A USB 2.0 type mini B Ethernet 1 RJ45, interface: 10BASE-T/100BASE-TX SD card slot
Electrical connection	Cable 2 mm ² , AWG 14, max resistance 100 Ohm for functional grounding
Type of cooling	AN (air natural)
Fixing mode	By 4 screws, mounting on 1.6...5 mm thick panel
Cut-out dimensions	301.5 x 227.5 mm panel cut dimension
Height	241 mm
Width	315 mm
Depth	56 mm
Net weight	2.5 kg

Environment

Standards	EN 61000-6-4 IEC 61000-6-2 UL 508 CSA C22.2 No 142 ANSI/ISA 12.12.01 CSA C22.2 No 213 Class I Division 2
Product certifications	UL[RETURN]cUL[RETURN]CE[RETURN]UKCA[RETURN]UKEX[RETURN]KC[RETURN]CCC Ex[RETURN]RCM[RETURN]EAC[RETURN]DNV[RETURN]ABS[RETURN]LR[RETURN]BV[RETU
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility 2012/19/EU - WEEE directive 2011/65/EU - RoHS 2015/863/EU - RoHS directive
Ambient air temperature for operation	0...55 °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	IP65f (front panel (in enclosure))
NEMA degree of protection	NEMA 4X front panel (in enclosure) NEMA 13 front panel (in enclosure)
Pollution degree	2
Environmental characteristic	Corrosive gas free
Shock resistance	147 m/s ² (X, Y, Z directions for 3 times) conforming to EN/IEC 61131-2
Vibration resistance	3.5 mm (f = 5...9 Hz) X, Y, Z directions for 10 cycles (approx. 100 min) conforming to EN/IEC 61131-2 9.8 m/s ² (f = 9...150 Hz) X, Y, Z directions for 10 cycles (approx. 100 min) conforming to EN/IEC 61131-2
Insulation resistance	> 10 MOhm
Electromagnetic compatibility	Electrostatic discharge immunity test - test level: 6 kV (contact discharge) conforming to EN/IEC 61000-4-2 level 3

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	17.500 cm
Package 1 Width	32.000 cm
Package 1 Length	39.500 cm
Package 1 Weight	3.394 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	 End Of Life Information