



Main

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

Complementary

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|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Display size | 5.7 inch |
| Display type | Colour TFT LCD |
| Display colour | 65536 colours |
| Display resolution | 320 x 240 pixels QVGA |
| 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 | 10.5 W 6.5 W when power is not supplied to external devices 4.5 W backlight off (standby mode) 5 W backlight dimmed (brightness: 20%) |
| Memory description | User data memory 16 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 female, interface: RS-485 (isolation), transmission rate: 2400...115200 bps COM2 serial link 1 SUB-D 9-pin female, interface: RS-485 (isolation), 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 |

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| Type of cooling | AN (air natural) |
| Fixing mode | By 4 screws, mounting on 1.6...5 mm thick panel |
| Cut-out dimensions | 156 x 123.5 mm panel cut dimension |
| Height | 137 mm |
| Width | 169.5 mm |
| Depth | 59.5 mm |
| Net weight | 0.8 kg |

Environment

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|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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

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| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 14.8 cm |
| Package 1 Width | 18.5 cm |
| Package 1 Length | 23.5 cm |
| Package 1 Weight | 1.107 kg |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 4 |
| Package 2 Height | 30 cm |
| Package 2 Width | 30 cm |
| Package 2 Length | 40 cm |
| Package 2 Weight | 5.285 kg |
| Unit Type of Package 3 | P06 |
| Number of Units in Package 3 | 32 |
| Package 3 Height | 75 cm |
| Package 3 Width | 60 cm |
| Package 3 Length | 80 cm |
| Package 3 Weight | 51.82 kg |

Offer Sustainability

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|----------------------------|------------------------------------------------------------|
| 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 |