

# PFXGP4301TAD



5.7 touch panel display, QVGA, Analog-Single, 2xCOM, ETH, USB A & mini-B, SD, 24VDC

|                      |                            |
|----------------------|----------------------------|
| Main                 | category.replacementOption |
| Complementary        | Environment                |
| Packing Units        | Contractual warranty       |
| Offer Sustainability |                            |

| Main                      |                    |
|---------------------------|--------------------|
| Product or component type | Touch panel screen |
| Range of product          | Pro-face GP4000    |
| Software package          | GP-Pro EX          |
| Processor name            | ARM926EJ-S         |
| Field.endOfSales          | -                  |

|                     |   |
|---------------------|---|
| Field.endOfRepair   | - |
| Field.repairRemarks | - |



| category.replacementOption |                                                                                                                                                                                                                                              |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Field.replacementCode      | PFXGP6300TAD                                                                                                                                                                                                                                 |
| Field.replacementComment   | GP6000 Series Standard Model<br>5.7" TFT color LCD<br>Analog touch panel<br>DC power supply<br>Panel cut-out size same<br>Display resolution different<br>Blink function supported<br>For more details, refer to the "Replacement Guidebook" |

| Complementary             |                                                                                                                  |
|---------------------------|------------------------------------------------------------------------------------------------------------------|
| 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<br>16 levels by software                                                               |
| Character font            | Japanese<br>ASCII<br>Chinese (simplified Chinese)<br>Chinese (traditional Chinese)<br>Korean<br>Cyrillic<br>Thai |
| [Us] rated supply voltage | 24 V DC                                                                                                          |
| Inrush current            | 30 A                                                                                                             |
| Input voltage limits      | 19.2...28.8 V DC                                                                                                 |



|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated short-duration power frequency withstand voltage | 1000 V AC during 1 min                                                                                                                                                                                                                                                                                                                                                                                                          |
| Local signalling                                       | Status LED green, steady for offline<br>Status LED green, steady for operating status (RUN)<br>Status LED green, flashing for logic stop<br>Status LED orange, flashing for software starting up<br>Status LED red, steady for power ON<br>Status LED red, flashing for ERR (Error)                                                                                                                                             |
| Memory description                                     | User data memory 16 MB<br>Backup memory 320 kB                                                                                                                                                                                                                                                                                                                                                                                  |
| Type of cooling                                        | AN (air natural)                                                                                                                                                                                                                                                                                                                                                                                                                |
| Integrated connection type                             | COM1 serial link 1 SUB-D 9-pin male, interface: RS232C, transmission rate: 2400...115200 bps<br>COM2 serial link 1 SUB-D 9-pin male, interface: RS422/RS485, transmission rate: 2400...115200 bps<br>COM2 serial link 1 SUB-D 9-pin male, interface: RS422/RS485, transmission rate: 187.5 kbps compatible with MPI<br>USB 2.0 type A<br>USB 2.0 type mini B<br>Ethernet 1 RJ45, interface: 10BASE-T/100BASE-TX<br>SD card slot |
| Maximum power consumption in W                         | 10.5 W<br>6.5 W when power is not supplied to external devices<br>4.5 W backlight off (standby mode)<br>5 W backlight dimmed (brightness: 20%)                                                                                                                                                                                                                                                                                  |
| Electrical connection                                  | Cable 2 mm <sup>2</sup> , AWG 14, max resistance 100 Ohm for functional grounding                                                                                                                                                                                                                                                                                                                                               |
| Fixing mode                                            | By 4 screws, mounting on 1.6...5 mm thick panel                                                                                                                                                                                                                                                                                                                                                                                 |
| Cut-out dimensions                                     | 156 x 123.5 mm panel cut dimension                                                                                                                                                                                                                                                                                                                                                                                              |
| Width                                                  | 169.5 mm                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Height                                                 | 137 mm                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Depth                                                  | 59.5 mm                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Net weight                                             | 0.8 kg                                                                                                                                                                                                                                                                                                                                                                                                                          |

## Environment

|                        |                 |
|------------------------|-----------------|
| Product certifications | UL<br>cUL<br>CE |
|------------------------|-----------------|



|                                       |                                                                                                                                                                                                                                |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                       | UKCA<br>UKEX<br>KC<br>CCC Ex<br>RCM<br>EAC<br>DNV<br>ABS<br>LR<br>BV<br>RINA<br>CCS<br>NK                                                                                                                                      |
| NEMA degree of protection             | NEMA 4X front panel (in enclosure)<br>NEMA 13 front panel (in enclosure)                                                                                                                                                       |
| Standards                             | EN 61000-6-4<br>IEC 61000-6-2<br>UL 508<br>CSA C22.2 No 142<br>ANSI/ISA 12.12.01<br>CSA C22.2 No 213 Class I Division 2                                                                                                        |
| Directives                            | 2014/35/EU - low voltage directive<br>2014/30/EU - electromagnetic compatibility<br>2012/19/EU - WEEE directive<br>2011/65/EU - RoHS<br>2015/863/EU - RoHS directive                                                           |
| IP degree of protection               | IP65f (front panel (in enclosure))                                                                                                                                                                                             |
| 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                                                                                                                                                                                                                         |
| Pollution degree                      | 2                                                                                                                                                                                                                              |
| Environmental characteristic          | Corrosive gas free                                                                                                                                                                                                             |
| 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<br>9.8 m/s <sup>2</sup> (f = 9...150 Hz) X, Y, Z directions for 10 cycles (approx. 100 min) conforming to EN/IEC 61131-2 |

|                               |                                                                                                                     |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Shock resistance              | 147 m/s <sup>2</sup> (X, Y, Z directions for 3 times) 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             | 15.000 cm  |
| Package 1 Width              | 18.500 cm  |
| Package 1 Length             | 24.000 cm  |
| Package 1 Weight             | 1.107 kg   |
| Unit Type of Package 2       | P12        |
| Number of Units in Package 2 | 40         |
| Package 2 Height             | 105.000 cm |
| Package 2 Width              | 80.000 cm  |
| Package 2 Length             | 120.000 cm |
| Package 2 Weight             | 64.280 kg  |

| Contractual warranty |    |
|----------------------|----|
| Warranty (in months) | 18 |



Offer Sustainability

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data Explained



|                                                        |                                                                                                                                                           |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recyclability potential, in %                          | 51                                                                                                                                                        |
| Total lifecycle Carbon footprint                       | 483 kg CO2 eq.                                                                                                                                            |
| Carbon footprint of the manufacturing phase [A1 to A3] | 54 kg CO2 eq.                                                                                                                                             |
| Carbon footprint of the distribution phase [A4]        | 1 kg CO2 eq.                                                                                                                                              |
| Carbon footprint of the installation phase [A5]        | 0 kg CO2 eq.                                                                                                                                              |
| Carbon footprint of the use phase [B2, B3, B4, B6]     | 424 kg CO2 eq.                                                                                                                                            |
| Mercury free                                           | Yes                                                                                                                                                       |
| Sustainable packaging                                  | No                                                                                                                                                        |
| RoHS exemption information                             | Yes                                                                                                                                                       |
| Carbon footprint of the end-of-life phase [C1 to C4]   | 3 kg CO2 eq.                                                                                                                                              |
| Environmental Disclosure                               | Product Environmental Profile                                                                                                                             |
| Total lifecycle Carbon footprint                       | 483                                                                                                                                                       |
| F-gas free                                             | K izolaci a zhášení je využíváno pouze vzduchové a vakuové médium; bez obsahu F-plynů včetně SF6.                                                         |
| Packaging made with recycled cardboard                 | Yes                                                                                                                                                       |
| Packaging without single use plastic                   | No                                                                                                                                                        |
| EU RoHS Directive                                      | EU RoHS Declaration                                                                                                                                       |
| REACH Regulation                                       | REACH Declaration                                                                                                                                         |
| SCIP Number                                            | 76565be4-97e1-4441-9623-82d029ddb7ce                                                                                                                      |
| 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |  |
| Halogen-free status             | Product contains halogen above thresholds                                                                                         |                                                                                    |
| PVC free                        | No                                                                                                                                |                                                                                    |
| Silicone-free                   | No                                                                                                                                |                                                                                    |
| End of life manual availability | End of Life Information                                                                                                           |                                                                                    |
| Removable battery               | User replaceable                                                                                                                  |                                                                                    |
| Take-back                       | No                                                                                                                                |                                                                                    |
| WEEE Label                      | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins       |                                                                                    |

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