UL Type Examination Certificate

ATEX Directive 2014/34/EU

Certificate
UL 25 ATEX 3420U
Rev. 0

Issue date
2026-03-18

This is to acknowledge that

Schneider Electric Japan Holdings Ltd.

4-4-9 Kitahama, Chuo-Ku, Osaka, 541-0041 Japan

has had

Human Machine Interface

GP6000 series

evaluated and meets the requirements of the standards

EN IEC 60079-0:2018
EN 60079-7:2015
EN IEC 60079-7:2015/A1:2018
EN IEC 60079-15:2019
EN 60079-31:2014

Test Report No. **US/UL/ExTR25.0063/00**

Certification Manager
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This is to certify that the sample(s) of the product described herein ("Certified Product") has been investigated and found in compliance with the above mentioned harmonized Standard(s) per Article 12 of Directive 2014/34/EU of the European Parliament and of the Council relating to equipment and protective systems for use in potentially explosive atmospheres indicated on this Certificate, in accordance with the UL Type Examination Certificate Scheme Requirements.
The responsibilities of manufacturers, their authorized representatives are provided in Articles 6 and 7 of the Directive 2014/34/EU. This remains the responsibility of the manufacturer and authorized representative and is not covered as part of this certificate.
This certificate and test results obtained apply only to the product sample(s) submitted by the Applicant. UL International Demko A/S did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured product. UL has not established follow-up service for inspection or other surveillance of the product. The Certificate Holder is solely and fully responsible for conformity of all product to all applicable Standards, specifications, requirements or Directives/Regulations. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

UL TYPE EXAMINATION CERTIFICATE No. UL 25 ATEX 3420U Rev. 0
Technical Details / Schedule

Description of component

The device is Panel-mount type Human Machine Interface intended to be flush mounted through enclosure opening with the terminal facing inside the final enclosure which only can be opened by use a tool. The front surface of the device is user accessible. The power that is classified as SELV (Safety Extra-Low Voltage) and LIM (Limited Energy Circuit) that are defined on EN 61010-1 and EN 61010-2-201 are supplied via non-standardized connector located on rear side of device. The touch panels are resistive analog touch or resistive matrix touch and evaluated to Sealed device “nC”.

The following communication port are provided on rear side (not exposed) of the device.
-Serial interface COM1 – D-Sub 9 pin (RS-232C)
-Serial interface COM2 – D-Sub 9 pin (RS-422/485)
-USB (Type A) interface – USB Type A
-USB (micro—B) interface – USB Type micro-B
-Ethernet interface – RJ-45 x 2
-SD card interface – SD card

Nomenclature

NOMENCLATURE BREAKDOWN:

Human Machine Interface

PFX	GP	6	3	00	T	A	D	#
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)

(a)Brand Name
PFX – Pro-face

(b)Model Name
GM - Display Module

(c)Series Name
6 – 6000 Series

(d)Display size
3 – 5 inch
4 – 7 inch
5 – 10 inch

(e)Type
00 – Standard

(f)LCD Type
T – 4:3 TFT

(g)Touch Panel Type
A – Analog touch
M – Matrix touch

(h)Power supply
D – DC

(i)Any product color and/or coating on printing wiring boards
– Any letter(s) and/or number(s) except for “B”, “C” or Blank
B – Black bezel model
C – Coating model

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Ex marking

II 3 G Ex ec nC IIC Gc

II 3 D Ex tc IIIC Dc

Temperature range

The service temperature range is -0°C to 66°C at “Front surface – Top side, center (Display Panel Enclosure)”.

Trademark

The trademarks Pro-face, Schneider Electric, Pro-face by Schneider Electric will be used as the company identifier on the marking label.

Ratings

Electrical data

Cat. No./Model	Input	
	Volt	Wattage
DC models		
PFXGP6300TAD#	24 Vdc (SELV and LIM) (#1)	9.3 W
PFXGP6400TAD#	24 Vdc (SELV and LIM) (#1)	9.6W
PFXGP6500TAD#	24 Vdc (SELV and LIM) (#1)	10 W
PFXGP6500TMD#	24 Vdc (SELV and LIM) (#1)	10 W

Note (#1): Power input voltage range, 19.2 – 28.8 Vdc.

Routine tests

N/A

Descriptive documents

The scheduled drawings are listed in the report no. provided under item “Test Report No.” on page 1 of this UL Type Examination Certificate.

Schedule of Limitations

- When used in an area requiring the use of equipment with EPL Gc, the following additional conditions apply:
  - The equipment shall only be used in an area of at least pollution degree 2, as defined in EN 60664-1.
  - Transient protection shall be provided that is set at a level not exceeding 140% of the peak rated voltage value at the supply terminals of the equipment.
- The front surface provides a degree of protection of at least IP64. The rear side of the device shall be installed in a tool accessible enclosure that provides a minimum ingress protection of IP54 for Zone 2 in accordance with EN 60079-7, at least IP54 for Zone 22 with Group IIIA and IIIB and at least IP64 for Zone 22 with group IIIC in accordance with EN 60079-31.
- The devices shall be protected against UV light.
- Temperature test was conducted when the mounting the device in vertical - landscape orientation. Temperature test shall be conducted at the end-use application to verify not to exceed the rated maximum service temperature.
- The device shall be mounted and operated to minimize the risk from electrostatic discharge in accordance with Instructions.

Essential Health and Safety Requirements

The Essential Health and Safety Requirements (EHSRs) covered by the standards listed on page 1.