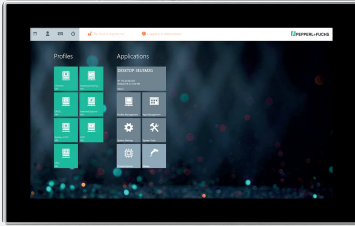


# Display Unit

## DPU3200-22FC-304A-V1-N0



- 10 point multi-touch sensor option allows design of modern user interfaces
- Highly resistant to cleaning agents with stainless steel bezel and seamless glass design
- Design optimized for easy cleanability
- Low-power consumption and heat dissipation due to LED backlight technology

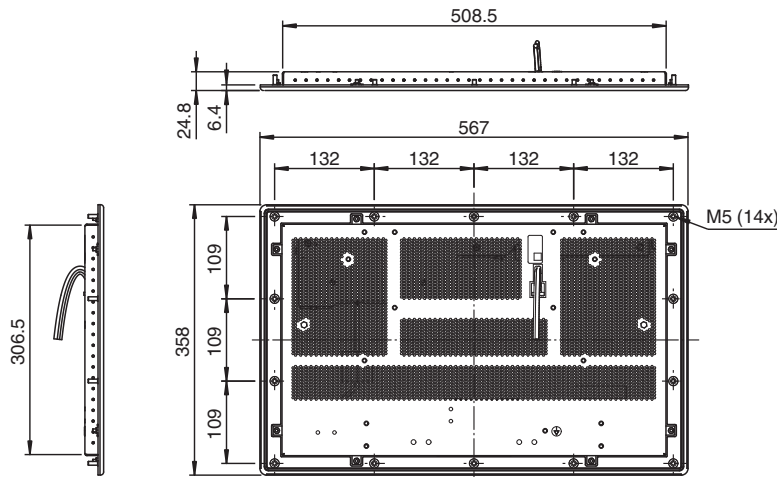
### Display Unit



### Function

The DPU3200-\* display unit is an ATEX / IECEx certified, UL listed device intended for use in potentially explosive atmospheres of Zone 2/22. Connected to a Pepperl+Fuchs VisuNet FLX thin client unit, PC unit or DMU unit, the DPU serves as a display with a touch screen. It enables users to perceive the system outputs of the computing unit and to input user data. The display unit can only be operated with the modular HMI components of the VisuNet FLX product line.

### Dimensions



### Technical Data

<b>Supply</b>	
Power consumption	typical 28 W
<b>Indicators/operating means</b>	
<b>Display</b>	
Type	LC display with LED backlight
Screen diagonal	54.61 cm (21.5 inch)
Resolution	1920x1080 (Full HD) , Aspect ratio 16:9
Color depth	24 bit (16.7 M) color
Contrast	5000:1 (typical)
Brightness	300 cd/m <sup>2</sup> (nit)
Reading angle	178° in all directions
Life span	Back lamp life: 50.000 hrs typical half life , at 20 °C (68 °F)

Release date: 2024-01-09 Date of issue: 2024-01-09 Filename: 70128301\_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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**Technical Data**

<b>Input devices</b>	
Touchscreen	10-finger multi-touch, glove friendly Capacitive touch, optical bonding
<b>Interface</b>	
Interface type	USB-touchscreen signal, LVDS-video signal and Inverter LCD backlight pins for VisuNet FLX computing unit connection
<b>Directive conformity</b>	
Electromagnetic compatibility	
Directive 2014/30/EU	DIN EN 55035:2018-04
RoHS	
Directive 2011/65/EU (RoHS)	EN IEC 63000:2018
<b>Ambient conditions</b>	
Operating temperature	0 ... 50 °C (32 ... 122 °F)
Storage temperature	-20 ... 65 °C (-4 ... 149 °F)
Relative humidity	max. relative humidity 93% at 40°C (non-condensing) according to EN60068-2-78
Shock resistance	18 shocks 15 g , 11 ms all axis, IEC 60068-2-27
Vibration resistance	10 ... 150 Hz, +/- 0.075 mm , 1g, 10 cycles per axis according to EN60068-2-6
<b>Mechanical specifications</b>	
Degree of protection	Front side: IP66 Back side: IP20 (when mounted to the computing unit from Pepperl+Fuchs)
Material	Front bezel: Stainless steel AISI304 (glass, silicone gasket) Backside: Painted aluminum sheet metal
Surface	front: glass (optional with stainless steel bezel)
Mass	approx. 6 kg
Dimensions	567 mm x 358 mm x 23.5 mm
Cut out dimensions	535 mm x 333.5 mm +/- 1 mm
<b>Data for application in connection with hazardous areas</b>	
EU-type examination certificate	Certificate in preparation.
Marking	Ⓜ II 3 G Ex ec [ic] IIC T4 Gc Ⓜ II 3 D Ex tc [ic] IIIC T85°C Dc
Directive conformity	
Directive 2014/34/EU	EN IEC 60079-0:2018 EN IEC 60079-7:2015+A1:2018 EN 60079-11:2012 EN 60079-31:2014
<b>International approvals</b>	
UL approval	Certificate in preparation.
Approved for	Ordinary location acc. UL 61010-1 and UL 61010-2-201  Hazardous location Class I, DIV 2, GPS A-D Class II, DIV 2, GPS F-G Class III Class I, ZN 2, IIC T4 Class II, ZN 2, IIIC T85°C Class III
IECEx approval	
IECEx certificate	Certificate in preparation.
IECEx marking	Ex ec [ic] IIC T4 Gc Ex tc [ic] IIIC T85°C Dc
Standards	IEC 60079-0:2017 IEC 60079-7:2015 IEC 60079-11:2011 IEC 60079-31:2013 IEC 60079-7:2015/A1:2017

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