



### Main

Range of product	Modicon M221
Product or component type	Graphic display
Range compatibility	Modicon M221
Current consumption	40 mA at 5 V DC via RJ45 connector
Power consumption in W	<= 1 W
Display type	Backlit colour STN LCD
Display colour	Monochrome
Display resolution	240 x 160 pixels
Number of key	6 (for navigation) 4 (configurable)

### Complementary

Standards	EN/IEC 61131-2 EN/IEC 61010-2-201
Product certifications	CULus
Marking	CE
Mounting location	Front cabinet Ø 22 mm hole Bottom of cabinet Ø 22 mm hole, connection via mounting accessory
Connector type	RJ45 communication and power supply
Height	4.96 in (126 mm)
Width	3.15 in (80 mm)
Depth	2.48 in (63 mm)
Product weight	0.37 lb(US) (0.17 kg)

### Environment

ambient air temperature for operation	5...122 °F (-15...50 °C)
operating altitude	0...6561.68 ft (0...2000 m)
storage altitude	0...6561.68 ft (0...2000 m)
environmental characteristic	Corrosive gas free
relative humidity	95 % non-condensing for operation 95 % non-condensing for transport 95 % non-condensing for storage
ambient air temperature for storage	-40...158 °F (-40...70 °C)
IP degree of protection	IP65 on front face IP20 on back part
pollution degree	2 conforming to EN/IEC 60664-1
vibration resistance	2 gn 1.5 mm (f = 3...150 Hz)
shock resistance	15 gn 11 ms
electromagnetic compatibility	Radiated radio-frequency electromagnetic field immunity test test level: 1 V/m - 2...3 GHz conforming to EN/IEC 61000-4-3 Disturbing field emission test level: 120...69 dBµV/m QP - power lines (DC) conforming to EN/IEC 55011 Electrical fast transient/burst immunity test test level: 1 kV conforming to EN/IEC 61000-4-4 Electrostatic discharge test level: 8 kV - air discharge conforming to EN/IEC 61000-4-2 Surge immunity test test level: 0.5 kV - common mode conforming to EN/IEC 61000-4-5 Disturbing field emission test level: 30...230 MHz - class A - 10 m conforming to EN/IEC 55011 Radiated radio-frequency electromagnetic field immunity test test level: 10 V/m - 80

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

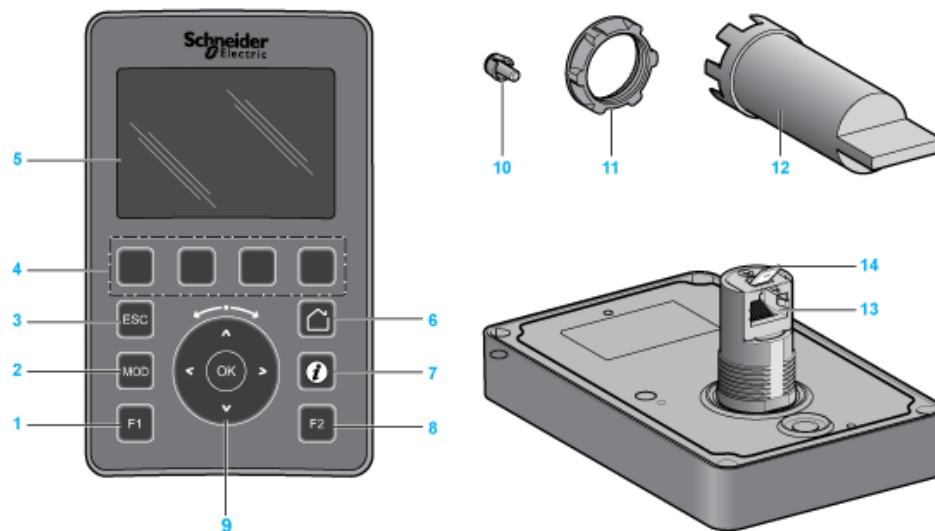
MHz...1 GHz conforming to EN/IEC 61000-4-3  
 Conducted RF disturbances test level: 10 Vrms - 0.15...80 MHz conforming to EN/IEC 61000-4-6  
 Disturbing field emission test level: 10...150 kHz - power lines (DC) conforming to EN/IEC 55011  
 Disturbing field emission test level: 150...1500 kHz - power lines (DC) conforming to EN/IEC 55011  
 Magnetic field at power frequency test level: 30 A/m - 50/60 Hz conforming to EN/IEC 61000-4-8  
 Electrostatic discharge test level: 4 kV - contact discharge conforming to EN/IEC 61000-4-2  
 Disturbing field emission test level: 1.5...30 kHz - power lines (DC) conforming to EN/IEC 55011  
 Surge immunity test test level: 0.5 kV - differential mode conforming to EN/IEC 61000-4-5  
 Radiated radio-frequency electromagnetic field immunity test test level: 3 V/m - 1.4...2 GHz conforming to EN/IEC 61000-4-3  
 Disturbing field emission test level: 230 MHz...1 GHz - class A - 10 m conforming to EN/IEC 55011  
 Disturbing field emission test level: 79...63 dBµV/m QP - power lines (DC) conforming to EN/IEC 55011  
 Disturbing field emission test level: 40 dBµV/m QP - class A - 10 m conforming to EN/IEC 55011  
 Disturbing field emission test level: 47 dBµV/m QP - class A - 10 m conforming to EN/IEC 55011  
 Disturbing field emission test level: 63 dBµV/m QP - power lines (DC) conforming to EN/IEC 55011

## Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 1431 - Schneider Electric declaration of conformity	Compliant - since 1431 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
Available	Available
WARNING: This product can expose you to chemicals including:	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.	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>	For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>

## Remote Graphic Display

### Overview

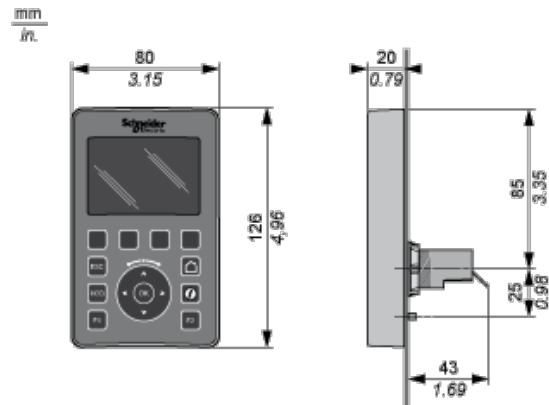


- 1 : F1 key
- 2 : MOD key
- 3 : ESC key
- 4 : R1 to R4 keys

- 5 : Graphic screen
- 6 : Home key
- 7 : Information key
- 8 : F2 key
- 9 : Touch wheel/OK/Arrows
- 10 : Anti-rotation tee
- 11 : Installation nut
- 12 : Socket wrench (ZB5AZ905)
- 13 : RJ45 serial line (RS-485)
- 14 : Connector for functional ground (earth)

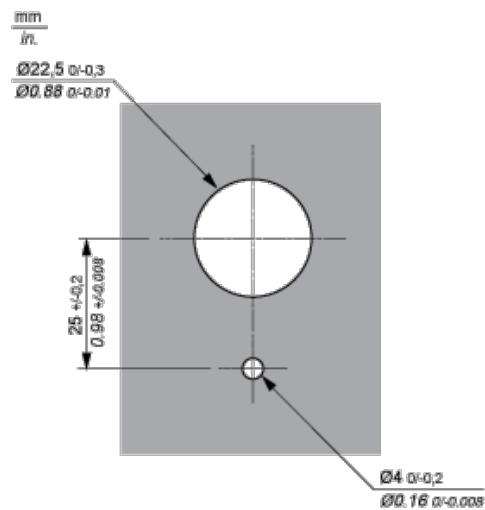
## Remote Graphic Display

### Dimensions



## Mounting and Clearances

### Mounting Hole Layout



### Minimum Clearances

mm  
in.

