HMI DISPLAY 7" TFT LCD 64K COLORS TOUCH-SCREEN, SUPPLY 12-24VDC, PORTS ETHERNET, RS232/RS485/RS422, USB. PROTOCOLS MODBUS-RTU, MODBUS-TCP, SIMATIC S7 ETHERNET, OPC UA AND MQTT

Product designation		HMI
Product type designation		LRHA07
Auxiliary supply voltage		24VDC
Power supply		
Rated auxil. supply voltage		12-24VDC
Operating voltage range		18…32VDC
Avarage current consumption	mA	300
System resources		
Display		7" graphic TFT display, touch screen, 64k colors
Colors		64K
Resolution		800x480
Brightness		200Cd/m2
Dimming		Yes
Touchscreen		Resistive
CPU		ARM Cortex A8 1GHz
Operative system		Linux 3.12
Flash		4GB
RAM		512MB
Application memory		60MB
Real Time Clock		Yes
Communications		
Type of communication port		Ethernet, USB and serial (RS232, RS485, RS422 software configurable)
Connections		
Terminals type		Screw, extractable
Ambient conditions		

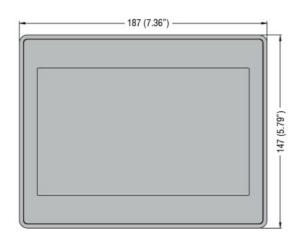| Temperature				
	Operating temperature			
		max	°C	+50
	Storage temperature			
		min	°C	-20
		max	°C	+70
Relative humidity			%	5…85% without condensation
Maximum Pollution degree				2

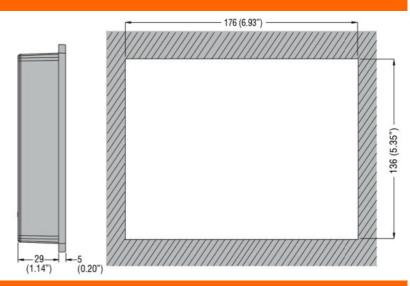|		
Housing		
Mounting		Flush mount

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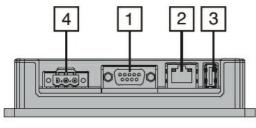|		
Degree of protection		IP66, type 2, 4X (front); IP20 (rear)
Dimensions (W x H x D)	mm	187 x 147 x 34
Weight	g	600

Dimensions

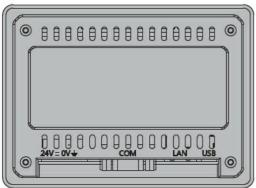## Wiring diagrams

1 Serial port (type RS232, RS485, RS422 software configurable)
2 Ethernet port
3 USB port
4 Power supply

Certifications and compliance

Compliance

emissions EN 61000-6-3
EN 61000-6-4
immunity EN 61000-6
immunity EN 61000-6-2 for installation in industrial environments

Certificates

cULus
RCM

ETIM classification

ETIM 8.0	EC001412 - Graphic panel