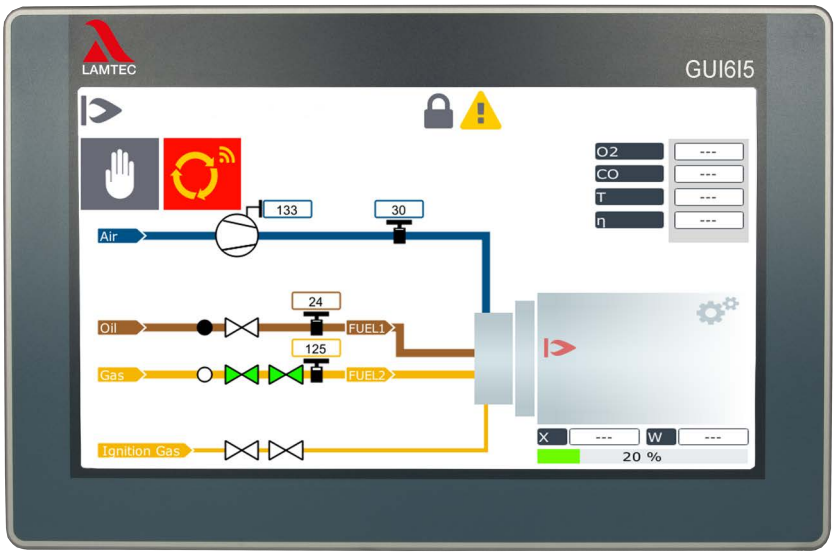

Fig. 1 GUI615

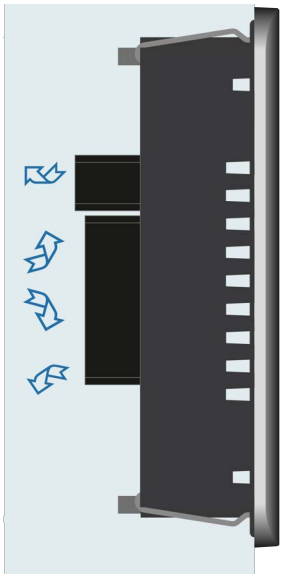

Fig. 2 Ensure unobstructed air circulation! >20 mm / 0.79" in

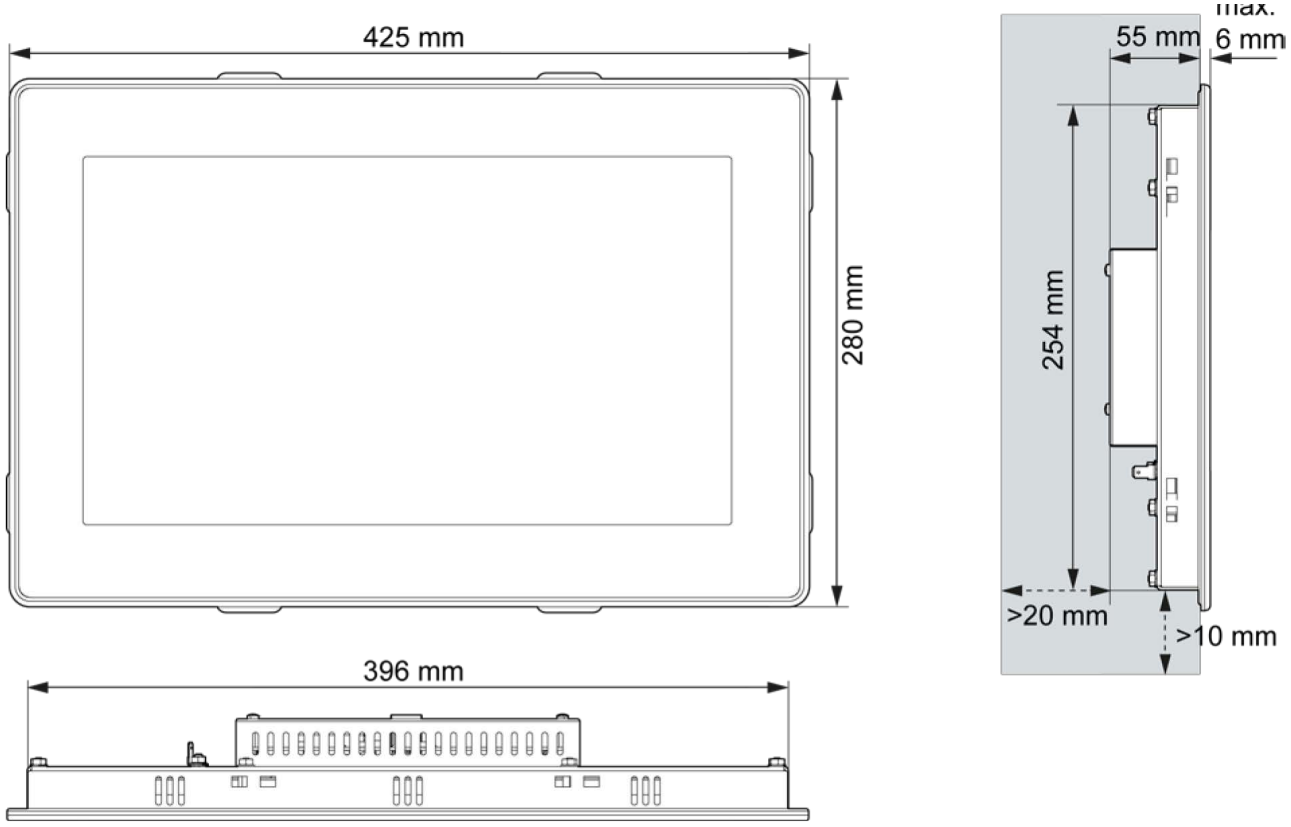

Fig. 3 Dimensional drawing GUI615

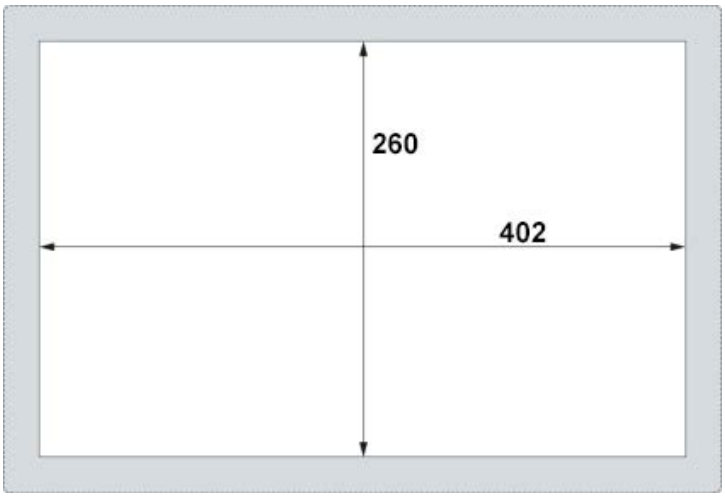

Fig. 4 Panel cut out GUI615 (dimensions in mm)

Cut a rectangular panel cut out in the support material

Heigh:	260.0 mm | 10.24” in
Width:	402.0 mm | 16.54” in
Max. corner radius:	3.0 mm | 0.12” in

Optimum thickness of the carrier material

Degree of protection IP65 with twist-lock catches:	only for 1.5 ... 3.0 mm| 0.06 .... 0.12” in
Optimal:	2.0 ... 3.0 mm | 0.08 ... 0.12” in
Max.:	4.0 mm | 0.16’’ in

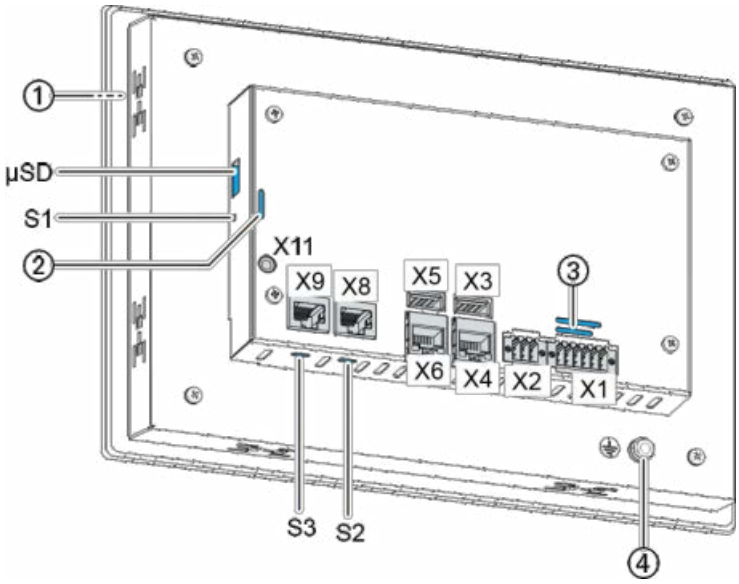

Fig. 5 GUI615 connections

Connections

Item	Designation	Item	Designation
1	Display 15.6”	X6	EtherCAT (ETH1)
2	LEDs: PWR, RUN/Stop, Error (DC)	X8	CAN bus (DC)
3	LEDs: Power, digital IO	X9	RS-232/RS-485
4	Ground connection	X11	Debug interface (do not use – only for LAMTEC service staff)
X1	Power supply, digital input/output	S1	Function key
X2	Analogue inputs	S2	CAN termination resistor (120 Ω)
X3	USB 2.0	S3	RS-485 termination resistor (120 Ω)
X4	Ethernet (ETH0)	µSD	microSD card connection (for memory extension)
X5	USB 2.0		

X1 power supply voltage, inputs PIN 9-12

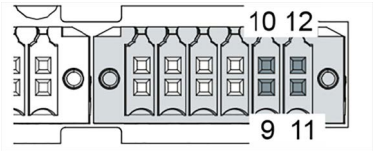

Fig. 6 GUI615 X1 PIN assignment

PIN 9 and 12: L+ 24 V supply 24 VDC (–15 %/+20 %)
PIN 11: GND

Technical Data GUI615	
Dimensions (H × W × D)	425 × 280 × 55 mm / 16.73 x 11.02 x 2.16" in
Weight	3 kg / 6,61 lb
Installation	removable tensioned clamps
Supply voltage	24 VDC −15/+20 % SELV max. AC voltage component 5 % with inverse-polarity protection
Power consumption	
Module electronics current consumption	type 0.8 A, max. 1.2 A at +24 VDC
Display diagonal/resolution	15.6" display, 1366 × 768 (WXGA)
Touch screen type	resistive
Colours	TFT: 16.7 M (24 bits/pixel)
CPU	800 MHz ARM® CPU with Cortex™-A9 single core
RAM/flash/non-volatile memory	512 MB RAM/2048 MB flash/100 kB FRAM
Communication interfaces	2x Ethernet, 10/100 Base, RJ45
Flammability	

Environmental conditions		
Operation	permitted temperature range	0 .... +55 °C (condensation prohibited)) 32 .... 131 °F
	permitted humidity	max. 85 %, non-condensing
Transport/Storage	permitted temperature range	-20 ... +70 °C (condensation prohibited)) -4 ... 158 °F
	permitted humidity	max. 85 %, non-condensing
Degree of protection	DIN EN 60529	IP20 IP65 front
Protection class	DIN EN 60529	III
Electronic safety	insulation resistance	EN 61131-2
	insensitivity to interference	EN 61131-2
	emitted interference	EN 55011 class B, group 1
Mechanic safety	vibration	sinusoidal (EN 90068-2-6) Test: Fc; 10 - 150 Hz, 1 G (operating mode)
	shock resistance	15 G (approx. 150 m/s^2 / 492.13 ft/s^2), duration 10 ms, semi-sinusoidal (EN 6068-2-27) Test: Ea

Certification	
CE	DIN EN 61131-2 DIN EN 61010-2-201 DIN EN 61000-6-3
UL	UL 61010-2-201

NOTICE

The limits of the technical data must be strictly adhered to.

Order Information

Display modules GUI615

Description/Type	Order no.
GUI615 Graphical display module 15”, 24 VDC, panel installation Touch panel with graphic menus for convenient curve programming, extended parameter setting and all system queries	668R1004

Approvals

CE

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The information in this publication is subject to technical changes.

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Publication no. DLT7233-25-EN-004