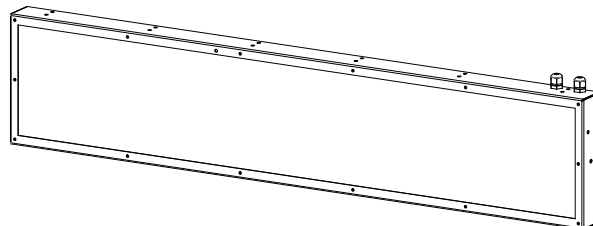


ALP2200/AB

Information LED panel for rolling stock

- Viewing area (1072 × 184) mm
- LED colour yellow
- Resolution (135 × 24) pixels
- Brightness 800 cd/m²
- RS485 communication line
- Power supply 24 V DC
- Complies UIC176
- Design according EN 50155:2007



TECHNICAL DATA

Viewing area	(1072 × 184) mm
Resolution	(135 × 24) pixels
LED grid	8 mm
LED color	Yellow, 590 nm typ.
Luminance	Min. 800 cd/m ²
Viewing angle	120 ° *)
Light sensor	1 ×
Function	Measuring of ambient light
RS485	1 ×
Galv. separation, dielectric strength	Yes, 500 V AC /1 minute **)
Connection point	WAGO 231-636/019-000 #)
Geographic addressing	On a separate cable
Number of panels on single RS485 segment	16
Connection point	WAGO 231-635/019-000
Power supply	16.8 V to 33.6 V DC
Nominal power supply voltage	24 V DC
Power consumption	5 A at 24 V DC
Peak inrush current	10 A ###)
Connection point	WAGO 231-636/019-000 #)
Others	
Mechanics	Metal cover + polycarbonate
Colour of mechanics	Black fine matte RAL 9005
Mounting	4 × M6 nut on the sides
Ingress protection rate	IP50
Operating temperature range	-40 °C to 70 °C
Storage temperature range	-40 °C to 70 °C
Maximum ambient humidity	< 95 %, non-condensing
Weight	8.6 kg ±5 %
Dimensions (w × h × d)	(1111 × 249 × 61) mm
Expected MTBF	> 150 000 h

*) Luminance drop to 50 % at viewing angle border.

**) Galvanic separation must not be used for dangerous voltage separation.

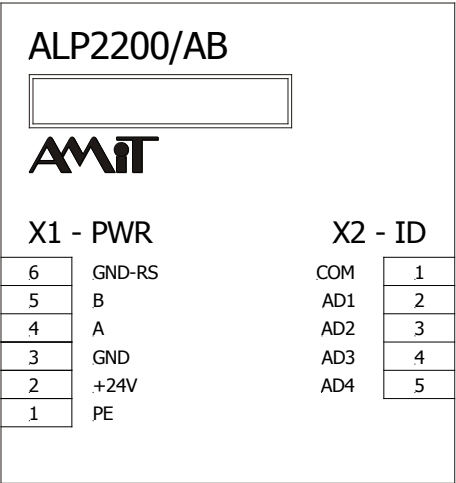
#) Power supply and RS485 communication share common connector.

###) Inrush peak current duration is less than 10 ms.

ORDERING INFORMATION

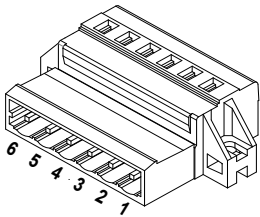
ALP2200/AB	Information LED panel, WAGO connector counterparts, routine testing protocol, Insulation testing protocol, Certificate of product quality and completeness
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RECOMMENDED DRAWING SYMBOL

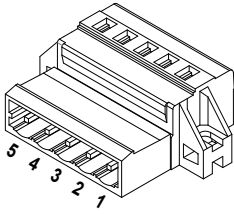


TERMINALS ASSIGNMENT

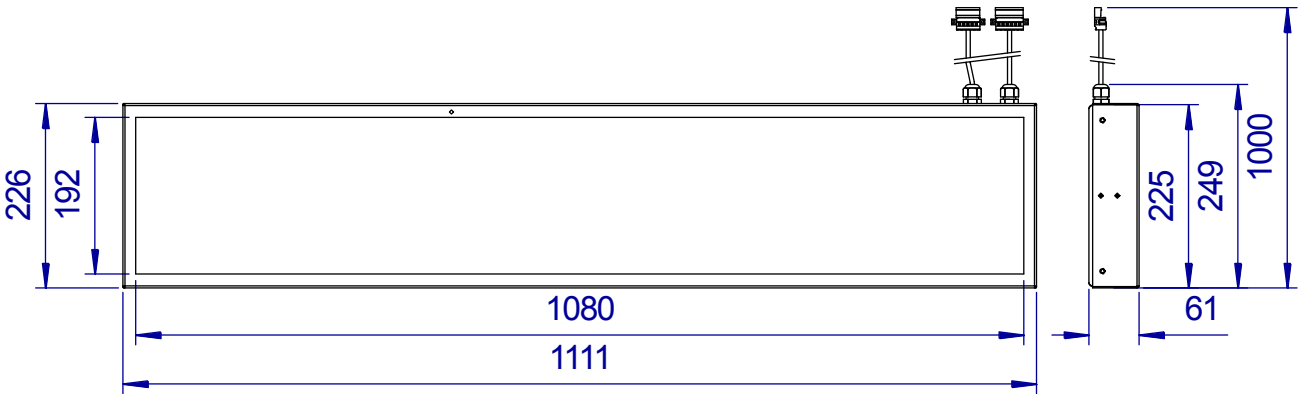
Connector	PIN	Signal	Signal description
X1 PWR	1	PE	Unit chassis
	2	Vcc	Power supply, +24 V DC
	3	GND	Power supply, Ground
	4	A	RS485, signal A
	5	B	RS485, signal B
	6	GND-RS	RS485 line, ground



Connector	PIN	Signal	Signal description
X2 ID	1	COM	Common address pin
	2	AD1	Address pin 1
	3	AD2	Address pin 2
	4	AD3	Address pin 3
	5	AD4	Address pin 4



MECHANICAL DRAWING



Data provided in this datasheet are only informative. Detailed information can be found in operational manual ([alp2200ab_g_en_xxx.pdf](#)).
Documentation can be downloaded from www.amit-transportation.cz web site.