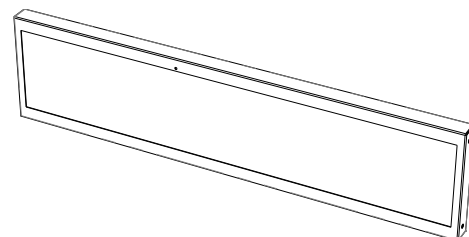


ALP5A2112/A1

Information LED Panel for Rolling Stock

- Display area (1008 × 192) mm, yellow LED
- Resolution 126 × 24 pixels
- Ethernet
- Power supply 24 V DC
- Compliant with UIC176 requirements
- Designed in accordance with EN 50155



TECHNICAL DATA

Display area	(1008 × 192) mm
Resolution	126 × 24 pixels
LED pitch	8 mm
LED colour	Yellow, 590 nm typ.
Brightness	Min. 800 cd/m ²
Observation angle	120 ° *)
Light sensor	1 ×
Function	Measuring of ambient light
Ethernet interface	1 ×
Transmission rate	10/100 Mbps
Connection point	Connector M12 D coded
Galvanic isolation, isolation strength	Yes, 1000 V AC / 1 minute **)
Power supply	16.8 V to 33.6 V DC
Nominal power supply voltage	24 V DC
Power consumption	3 A at 24 V DC
Connection point	M12, 4-pin, A coded
Galvanic isolation, insulation strength	Yes, 1000 V AC/1 minute **)
Others	
Mechanics	Metal cover + tempered glass
Colour of mechanics	Black fine matte RAL 9005
Mounting	4 × M6 nut on the sides 4 × M6 nut on back cover
Earthing point	Screw M4
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	9.5 kg ±5 %
Dimensions (w × h × d)	(1042 × 246 × 58) mm
Expected MTBF	> 150 000 h

*) Decline in brightness from the line of observation angle to 50 %.

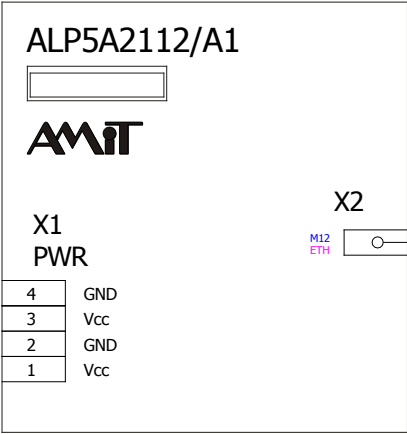
**) Galvanic isolation may not be used for dangerous voltage separation.

ORDERING INFORMATION

ALP5A2112/A1	Information LED panel without connector counterparts, routine test protocol, Insulation test protocol, Certificate of product quality and completeness
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DRAWING SYMBOL

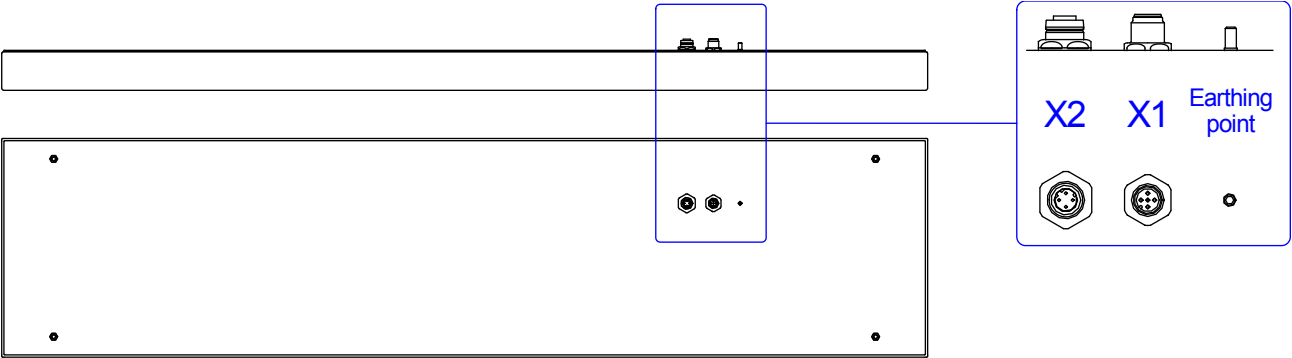
TERMINALS ASSIGNMENT



Connector	PIN	Signal	Description
X1 PWR	1	Vcc	Power supply, +24 V
	2	GND	Power supply, GND
	3	Vcc	Power supply, +24 V
	4	GND	Power supply, GND
	Shield	Shield	Unit frame

Connector	PIN	Signal	Description
X2 ETH	1	Tx+	Data transmission, signal +
	2	Rx+	Data reception, signal +
	3	Tx-	Data transmission, signal -
	4	Rx-	Data reception, signal -
	Shield	Shield	Unit frame

CONNECTOR PLACEMENT



PANEL DIMENSIONS AND CONNECTORS LOCATION

PWR and Ethernet connectors are located on the rear side of panel. All dimensions are in mm.

