Communication module - IB IL DALI/PWR-PAC - 2897813

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Inline, DALI master, integrated DALI power supply unit, safe electrical isolation, transmission speed in the local bus: 500 kbps, degree of protection: IP20, including Inline connectors and marking fields

Product Description

The terminal is designed for use within an Inline station.
It represents a DALI master that can control up to 63 DALI ballasts.
The IB IL DALI/PWR-PAC has an integrated DALI power supply unit. It can be extended with up to 3 additional IB IL DALI-PAC DALI masters.

Your advantages

- Function blocks for PC Worx are available
- Up to 64 DALI devices per master terminal
- Protection of the DALI bus against accidental connection of the mains voltage (up to 250 V AC)
- Indicators for diagnostics, transmission, and reception
- Safe electrical isolation of the DALI bus

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	4 046356 133067
GTIN	4046356133067

Technical data

Dimensions

Width	48.8 mm
Height	119.8 mm
Depth	71.5 mm
Note on dimensions	Housing dimensions

Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C (Observe derating when using DALI extension terminals.)
Ambient temperature (storage/transport)	-25 °C ... 85 °C

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Technical data

Ambient conditions

Permissible humidity (operation)	10 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	10 % ... 95 % (non-condensing)
Air pressure (operation)	80 kPa ... 106 kPa (up to 2000 m above sea level)
Air pressure (storage/transport)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Degree of protection	IP20

Connection data

Designation	Inline connector
Connection method	Spring-cage connection
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	1.5 mm²
Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	1.5 mm²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	16
Stripping length	8 mm

Interfaces

Designation	Inline local bus
Connection method	Inline data jumper
Transmission speed	500 kbps
Designation	DALI
Connection method	Inline connector
Supply voltage	typ. 14 V DC (Bus voltage)
Current carrying capacity	max. 128 mA (Bus load; observe derating when using DALI extension terminals.)
Output current with short-circuit	max. 250 mA
Transmission speed	1200 bps
Type of protection	Bus protected up to 250 V AC, maximum

General

Mounting type	DIN rail
Net weight	286 g
Note on weight specifications	with connectors

Inline potentials

Designation	Communications power (U_L)
Supply voltage	7.5 V DC (via voltage jumper)
Current consumption	max. 38 mA
Designation	Main circuit supply (U_M)
Supply voltage	24 V DC (via voltage jumper)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Current consumption	max. 441 mA

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Inline potentials

Designation	DALI supply voltage U_{DALI}
Power supply unit	max. 512 mA
Current consumption	126 mA

Standards and Regulations

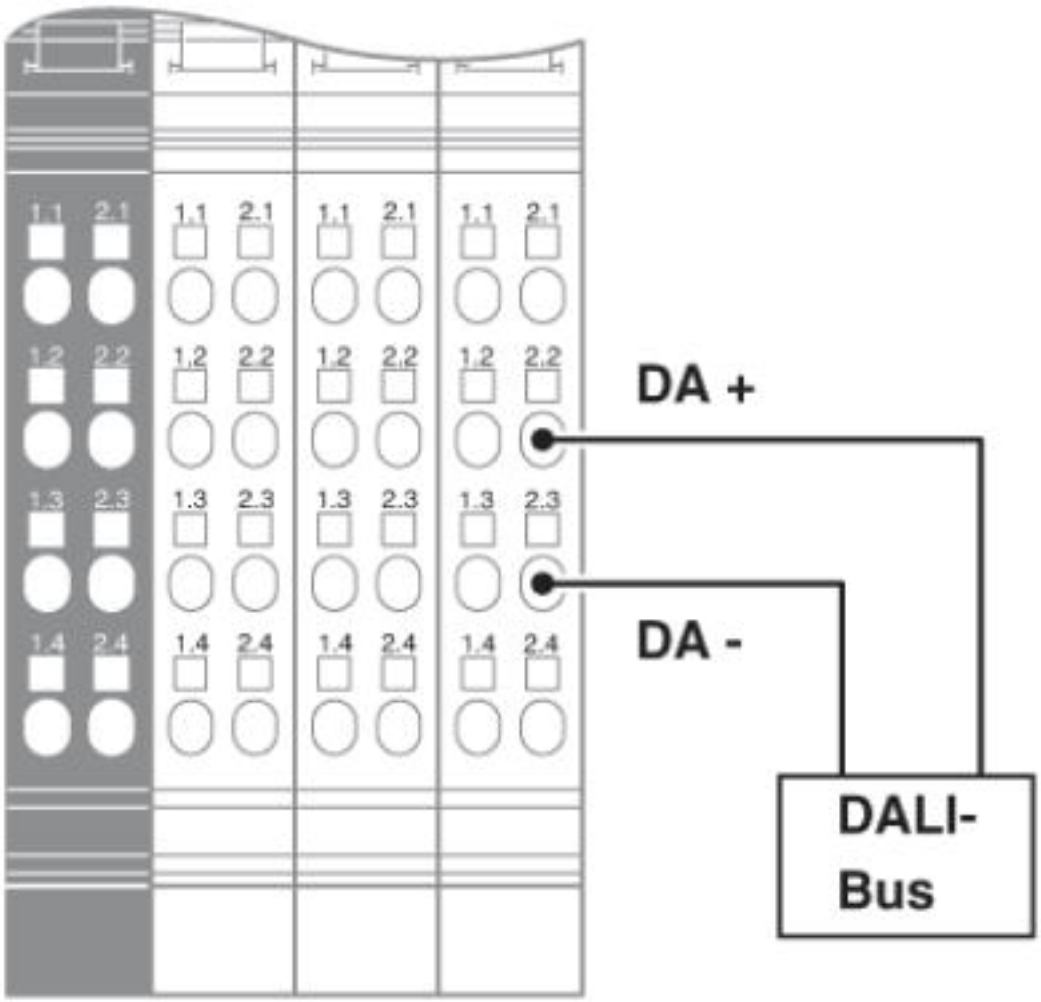
Protection class	III, IEC 61140, EN 61140, VDE 0140-1

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Connection diagram



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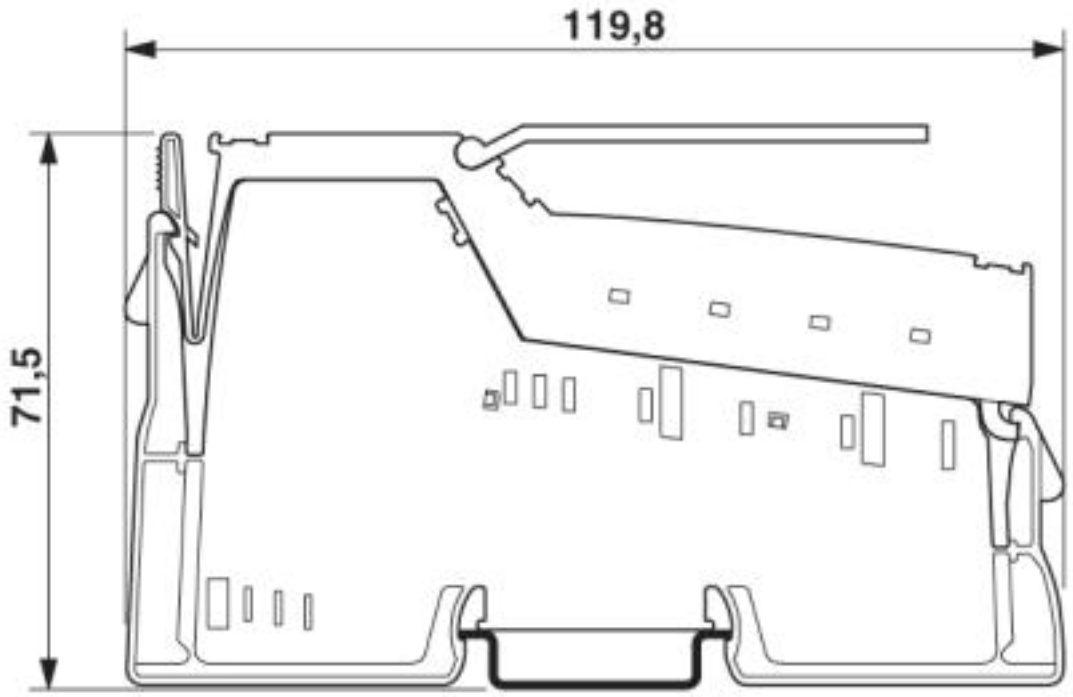
Dimensional drawing



Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC	EAC	EAC-Zulassung

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