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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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, 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.

Why buy this product

- 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



Key Commercial Data

Packing unit	1 STK
GTIN	
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 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	1.5 mm ²
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
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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Technical data

Inline potentials

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

Standards and Regulations

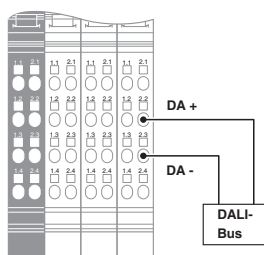
Protection class	III, IEC 61140, EN 61140, VDE 0140-1
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Environmental Product Compliance

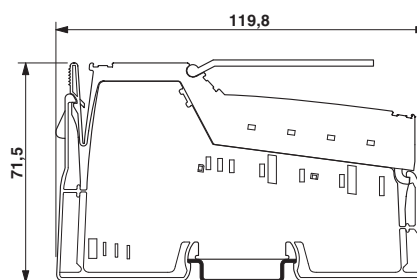
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Connection diagram



Dimensional drawing



Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC		EAC-Zulassung
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