

IB IL DALI-PAC - Communication module



2897910

<https://www.phoenixcontact.com/us/products/2897910>

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Inline, DALI master, Extension for IB IL DALI/PWR-PAC, transmission speed in the local bus: 500 kbps, degree of protection: IP20, including Inline connector and labeling field



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-PAC is an extension terminal for the IB IL DALI/PWR-PAC. Up to 3 IB IL DALI-PAC can be connected downstream of the IB IL DALI/PWR-PAC.

Your advantages

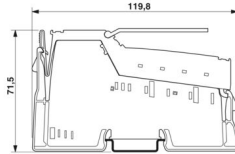
- DALI master without integrated DALI bus supply
- DALI bus protected against unintentional connection of mains voltage (up to 250 V AC)
- Diagnostic and status indicators

Commercial data

Item number	2897910
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR18
Product key	DRHABA
GTIN	4046356133074
Weight per piece (including packing)	80.5 g
Weight per piece (excluding packing)	57 g
Customs tariff number	85389099
Country of origin	DE

Technical data

Dimensions

Dimensional drawing	
Width	12.2 mm
Height	119.8 mm
Depth	71.5 mm
Note on dimensions	Housing dimensions

Notes

Note on application

Note on application	Only for industrial use
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Interfaces

Inline local bus

Connection method	Inline data jumper
Transmission speed	500 kbps

Fieldbus: DALI

Designation	DALI
Connection method	Inline connector
Supply voltage	typ. 14 V DC (Bus voltage)
Output current with short-circuit	max. 250 mA
Current carrying capacity	max. 128 mA (Bus load: observe the derating of terminal IB IL DALI/PWR-PAC.)
Transmission speed	1200 bps
Type of protection	Bus protected up to 250 V AC, maximum

System properties

Module

ID code (dec.)	191
ID code (hex)	BF
Length code (hex)	02
Length code (dec)	02
Process data channel	32 bit
Input address area	4 Byte
Output address area	4 Byte

Register length	32 bit
Required parameter data	1 Byte
Required configuration data	5 Byte

Product properties

Product type	I/O component
Product family	Inline
Type	modular
Installation location	Control cabinet
Scope of supply	including Inline connector and labeling field
No. of channels	1
Special properties	Extension for IB IL DALI/PWR-PAC

Electrical properties

Potentials: Communications power (U_L)

Supply voltage	7.5 V DC (via voltage jumper)
Current draw	max. 38 mA

Potentials: DALI supply voltage U_{DALI}

Current draw	max. 128 mA
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Connection data

Connection technology

Connection name	Inline connector
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Inline connector

Connection method	Spring-cage connection
Conductor cross-section, rigid	0.2 mm ² ... 1.5 mm ²
Conductor cross-section, flexible	0.2 mm ² ... 1.5 mm ²
Conductor cross-section AWG	24 ... 16
Stripping length	8 mm

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C (Observe derating when using terminal IB IL DALI/PWR-PAC, see data sheet DB EN IB IL DALI/PWR-PAC.)
Degree of protection	IP20
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)
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	10 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	10 % ... 95 % (non-condensing)

Standards and regulations

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Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
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Mounting

Mounting type	DIN rail mounting
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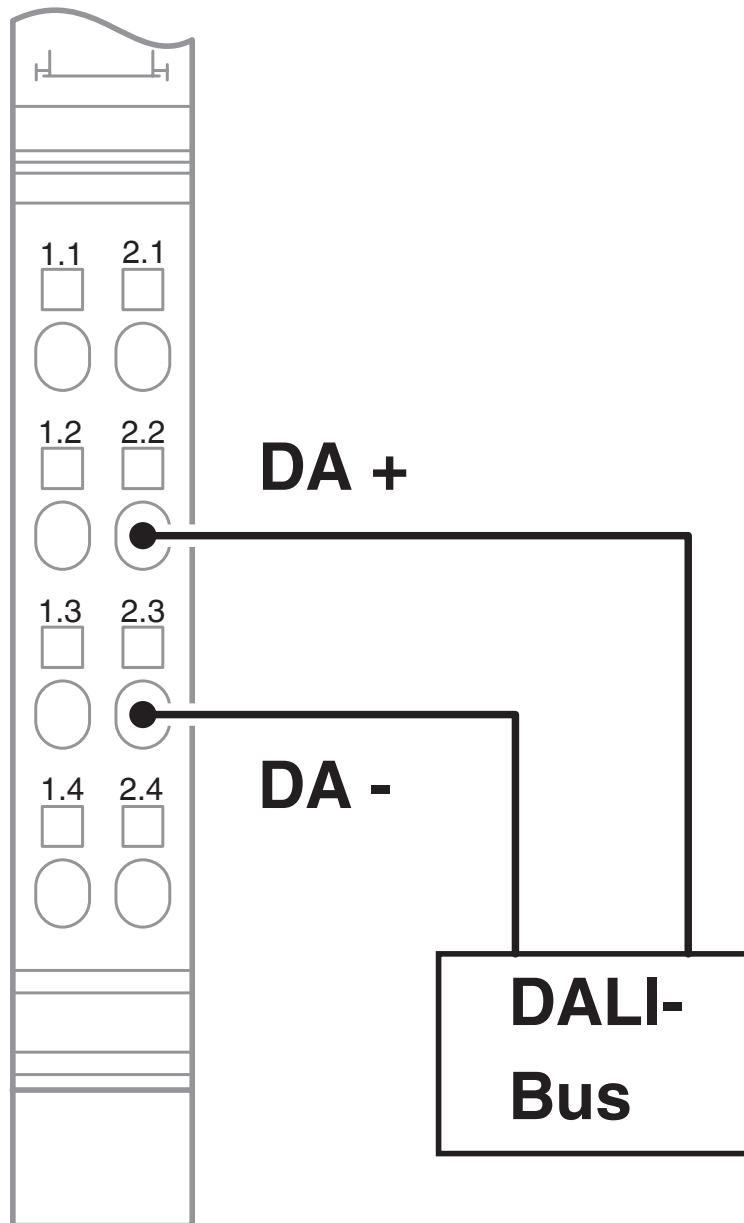
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Drawings

Dimensional drawing



Connection diagram



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Classifications

ECLASS

ECLASS-13.0	27242608
ECLASS-15.0	27242608

ETIM

ETIM 10.0	EC001604
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UNSPSC

UNSPSC 21.0	32151600
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Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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