

# 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
Catalog page	Page 150 (C-6-2019)
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

# IB IL DALI-PAC - Communication module

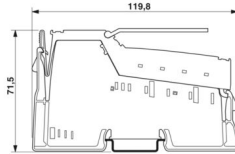


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## Technical data

### Dimensions

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

### 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

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Type	modular
Product type	I/O component
Product family	Inline
Scope of delivery	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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Conductor connection

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

Inline connector

Connection method	Spring-cage connection
Conductor cross section, rigid	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section, flexible	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
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)

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## Standards and regulations

Protection class

III (IEC 61140, EN 61140, VDE 0140-1)

## Mounting

Mounting type

DIN rail mounting

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## Classifications

### ECLASS

ECLASS-11.0	27242608
ECLASS-12.0	27242608
ECLASS-13.0	27242608

### ETIM

ETIM 9.0	EC001604
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### UNSPSC

UNSPSC 21.0	32151600
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## Environmental product compliance

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

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