

## Communication module - IB IL DALI-PAC - 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



### Key Commercial Data

|              |                                                                                      |
|--------------|--------------------------------------------------------------------------------------|
| Packing unit | 1 pc                                                                                 |
| GTIN         |  |
| GTIN         | 4046356133074                                                                        |

### Technical data

#### Dimensions

|                    |                    |
|--------------------|--------------------|
| Width              | 12.2 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 terminal IB IL DALI/PWR-PAC, see data sheet DB EN IB IL DALI/PWR-PAC.) |
| Ambient temperature (storage/transport) | -25 °C ... 85 °C                                                                                                     |
| Permissible humidity (operation)        | 10 % ... 95 % (non-condensing)                                                                                       |

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## Technical data

### Ambient conditions

|                                          |                                                   |
|------------------------------------------|---------------------------------------------------|
| 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 <sup>2</sup>    |
| Conductor cross section solid max.    | 1.5 mm <sup>2</sup>    |
| Conductor cross section flexible min. | 0.2 mm <sup>2</sup>    |
| Conductor cross section flexible max. | 1.5 mm <sup>2</sup>    |
| 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 the derating of terminal IB IL DALI/PWR-PAC.) |
| 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                    | 57 g           |
| Note on weight specifications | with connector |

### Inline potentials

|                     |                                        |
|---------------------|----------------------------------------|
| Designation         | Communications power (U <sub>L</sub> ) |
| Supply voltage      | 7.5 V DC (via voltage jumper)          |
| Current consumption | max. 38 mA                             |
| Designation         | DALI supply voltage U <sub>DALI</sub>  |
| Current consumption | 126 mA                                 |

### Standards and Regulations

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

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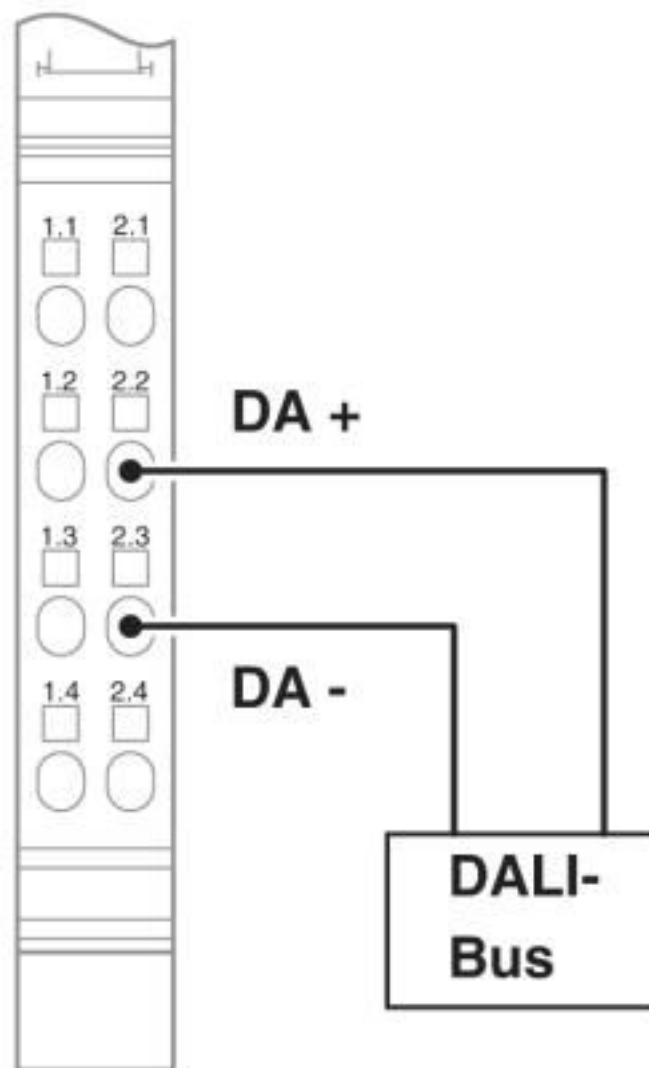
### Technical data

#### Environmental Product Compliance

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

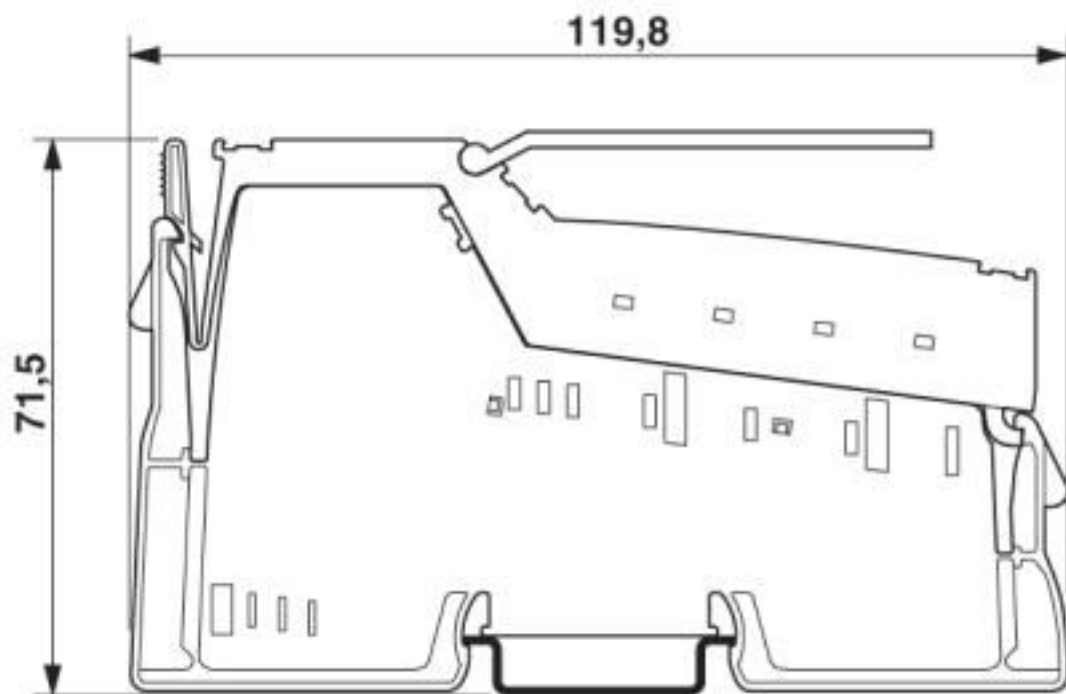
### Drawings

Connection diagram



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Dimensional drawing



### Classifications

#### eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27242608 |
| eCl@ss 11.0   | 27242608 |
| eCl@ss 4.0    | 27250200 |
| eCl@ss 4.1    | 27250200 |
| eCl@ss 5.0    | 27250200 |
| eCl@ss 5.1    | 27242600 |
| eCl@ss 6.0    | 27242600 |
| eCl@ss 7.0    | 27242608 |
| eCl@ss 8.0    | 27242608 |
| eCl@ss 9.0    | 27242608 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC001434 |
| ETIM 3.0 | EC001604 |
| ETIM 4.0 | EC001601 |
| ETIM 5.0 | EC001604 |
| ETIM 6.0 | EC001604 |
| ETIM 7.0 | EC001604 |

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### Classifications

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 43172015 |
| UNSPSC 7.0901 | 43201404 |
| UNSPSC 11     | 43172015 |
| UNSPSC 12.01  | 43201404 |
| UNSPSC 13.2   | 32151602 |
| UNSPSC 18.0   | 32151602 |
| UNSPSC 19.0   | 32151602 |
| UNSPSC 20.0   | 32151602 |
| UNSPSC 21.0   | 32151602 |

### Accessories

#### Accessories

##### Labeling panel

##### Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 mm



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##### Labeling field - IB IL FIELD 8 - 2727515

Labeling field, width: 48.8 mm



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### Terminal marking

#### Insert strip - ESL 62X10 - 0809492

Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems: Laser printer, mounting type: insert, lettering field size: 62 x 10 mm, Number of individual labels: 72



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### Accessories

Insert strip - ESL 62X46 - 0809502



Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems: Laser printer, mounting type: insert, lettering field size: 62 x 46 mm, Number of individual labels: 120

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