

# IB IL DOR LV-SET-PAC - Disconnect terminal block



2861645  
<https://www.phoenixcontact.com/us/products/2861645>

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Inline distance terminal, complete with accessories

## Product description

The terminal is designed for use within an Inline station. Within an Inline station, a relay terminal can be used to switch voltages that are not available in the segment in which the terminal is used (e.g., switching 230 V AC in a 24 V DC segment). In this case, place a distance terminal before and after the relay terminal. This maintains the isolating distance between the individual areas. The distance terminals interrupt the potential jumpers for the main and segment voltage, ground, and functional ground. Cables are not connected to these terminals.

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2861645       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | DR01          |
| Product key                          | DRI1Z4        |
| GTIN                                 | 4017918894481 |
| Weight per piece (including packing) | 123.5 g       |
| Weight per piece (excluding packing) | 32 g          |
| Customs tariff number                | 85389099      |
| Country of origin                    | DE            |

## Technical data

### Notes

#### Note on application

Note on application

Only for industrial use

### Product properties

|                |                   |
|----------------|-------------------|
| Product type   | Distance terminal |
| Product family | Inline            |
| Type           | modular           |

#### Insulation characteristics

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

### System properties

#### Module

|                             |        |
|-----------------------------|--------|
| ID code (dec.)              | none   |
| ID code (hex)               | none   |
| Register length             | 0 Byte |
| Required parameter data     | 0 Byte |
| Required configuration data | 0 Byte |

### Electrical properties

|              |                                                            |
|--------------|------------------------------------------------------------|
| Test section | 24 V supply (I/O) / functional ground 500 V AC 50 Hz 1 min |
|--------------|------------------------------------------------------------|

### Connection data

#### Inline connector

|                   |                        |
|-------------------|------------------------|
| Connection method | Spring-cage connection |
| Stripping length  | 8 mm                   |

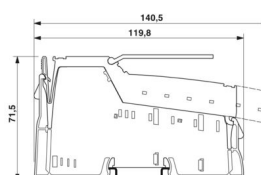
### Interfaces

#### Inline local bus

|                   |                    |
|-------------------|--------------------|
| Connection method | Inline data jumper |
|-------------------|--------------------|

### Dimensions

#### Dimensional drawing



#### Width

24.4 mm

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|        |          |
|--------|----------|
| Height | 119.8 mm |
| Depth  | 71.5 mm  |

## Material specifications

|                 |                 |
|-----------------|-----------------|
| Color (Housing) | gray (RAL 7042) |
|-----------------|-----------------|

## Environmental and real-life conditions

### Ambient conditions

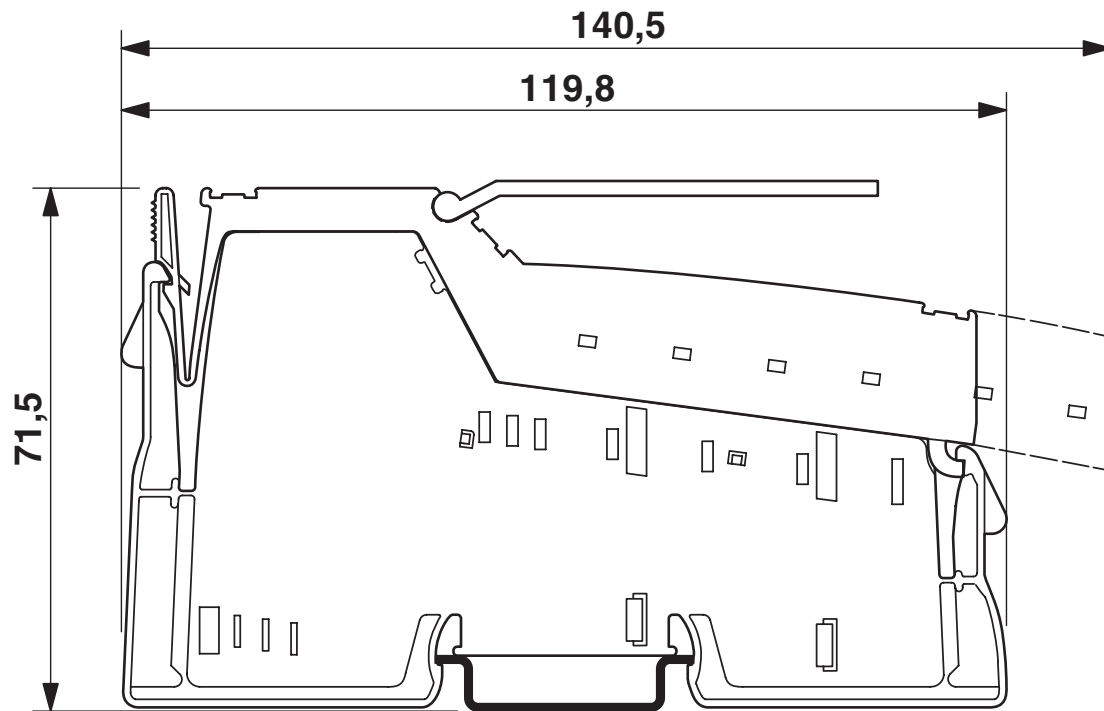
|                                          |                  |
|------------------------------------------|------------------|
| Degree of protection                     | IP20             |
| Ambient temperature (operation)          | -25 °C ... 55 °C |
| Ambient temperature (storage/transport)  | -25 °C ... 85 °C |
| Permissible humidity (operation)         | 75 % ... 85 %    |
| Permissible humidity (storage/transport) | 75 % ... 85 %    |

## Mounting

|               |                   |
|---------------|-------------------|
| Mounting type | DIN rail mounting |
|---------------|-------------------|

## Drawings

Dimensional drawing

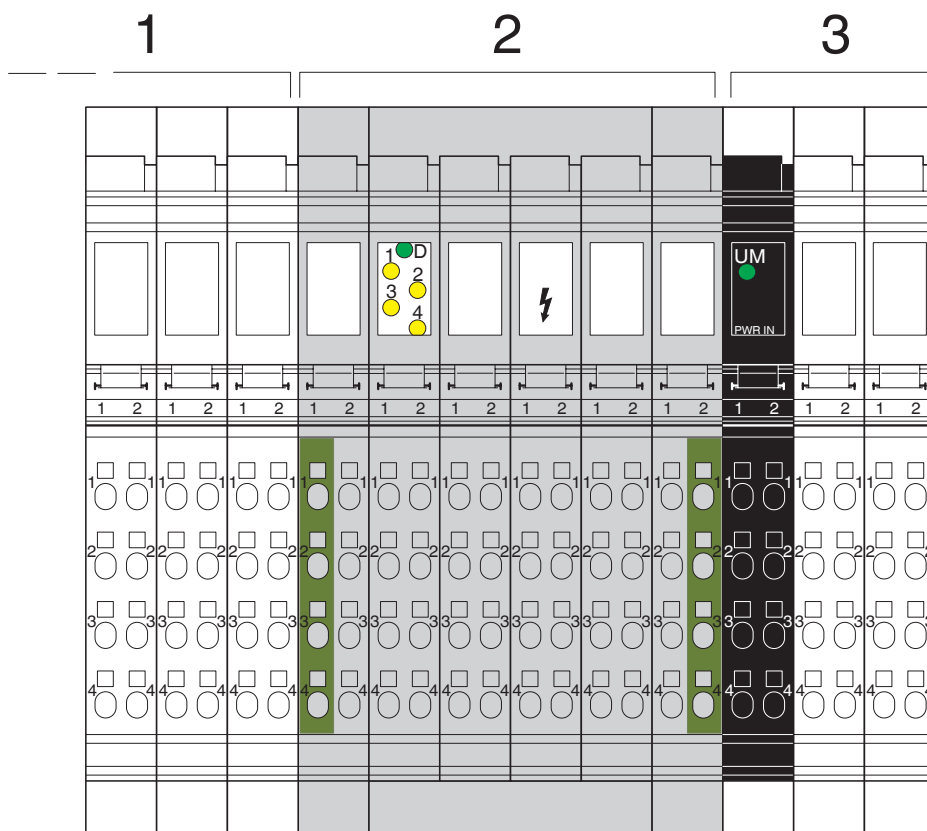


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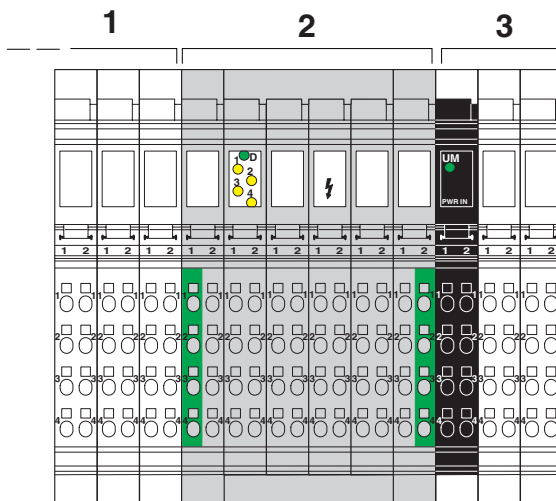
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Connection diagram



Schematic diagram

- 1 24 V area consisting of station head and I/O terminals
- 2 Relay terminal block separated by Inline distance terminals
- 3 24 V area consisting of power terminal and I/O terminals



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2861645>



**DNV GL**

Approval ID: TAA00000BN



**LR**

Approval ID: LR23398855TA



**BV**

Approval ID: 21725/C1 BV

**ABS**

Approval ID: 22-2226444-PDA



**cULus Recognized**

Approval ID: E140324

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27242692 |
| ECLASS-15.0 | 27242692 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC002584 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 32151600 |
|-------------|----------|

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## Environmental product compliance

|                                         |                                          |
|-----------------------------------------|------------------------------------------|
| EU RoHS                                 |                                          |
| Fulfills EU RoHS substance requirements | Yes, No exemptions                       |
| China RoHS                              |                                          |
| Environment friendly use period (EFUP)  | EFUP-E                                   |
|                                         | No hazardous substances above the limits |
| EU REACH SVHC                           |                                          |
| REACH candidate substance (CAS No.)     | No substance above 0.1 wt%               |

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