

# PLD E 400-DS-3,0/0,6 - Door position switch



1318672

<https://www.phoenixcontact.com/us/products/1318672>

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Door position switch with 3 m cable with open cable end and 0.6 m cable with open cable end, including mounting accessories

## Product description

This door position switch is used to automatically switch the class 400 PLD enclosure lights on and off when opening and closing the control cabinet door. If the enclosure lights are connected in series, you can use this door position switch at any chosen position upstream of the first light or between two lights.

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1318672       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | DR08          |
| Product key                          | DRL23Z        |
| GTIN                                 | 4063151601829 |
| Weight per piece (including packing) | 330 g         |
| Weight per piece (excluding packing) | 320 g         |
| Customs tariff number                | 85365080      |
| Country of origin                    | DE            |

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## Technical data

### Notes

#### Note on application

|                     |                         |
|---------------------|-------------------------|
| Note on application | Only for industrial use |
|---------------------|-------------------------|

### Product properties

|              |                      |
|--------------|----------------------|
| Product type | Door position switch |
|--------------|----------------------|

#### Insulation characteristics: Device class (built-in switch)

|                      |                            |
|----------------------|----------------------------|
| Overvoltage category | II (EN 60947-1)            |
| Protection class     | II (protective insulation) |
| Pollution degree     | 3 (Built-in switch)        |

### Electrical properties

|                       |   |
|-----------------------|---|
| Short-circuit current | 400 A (conditional rated short-circuit current) |
| Protective circuit    | Short-circuit protection; Fuse, 4 A gG          |

#### Device class (built-in switch)

|                     |      |
|---------------------|------|
| Rated surge voltage | 4 kV |
|---------------------|------|

#### Contact information

|                                     |   |
|-------------------------------------|---|
| Contact switching type              | 1 N/C contact   |
| Contact material                    | Ag  |
| Positive opening action             | in accordance with EN 60947-5-1, Annex K, actuation force: 18 N |
| Rated insulation voltage $U_i$      | 250 V   |
| Thermal continuous current $I_{th}$ | 5 A   |
| Voltage                             | max. (see load limit current)                                   |
| Current                             | min. 1 mA<br>max. (see load limit current)                      |
| Mechanical service life             | $10 \times 10^6$ cycles   |
| Resistance                          | max. 25 m $\Omega$ (Contact resistance in new condition)        |
| Bouncing time                       | < 3 ms  |

#### Load limit current in accordance with IEC/EN 60947-5-1

|                               |                  |
|-------------------------------|------------------|
| Standard                      | IEC/EN 60947-5-1 |
| Utilization category          | AC15             |
| Rated operating voltage $U_e$ | 240 V (50/60 Hz) |
| Rated operating current $I_e$ | 3 A              |
| Utilization category          | DC13             |
| Rated operating voltage $U_e$ | 24 V             |
| Rated operating current $I_e$ | 1.5 A            |

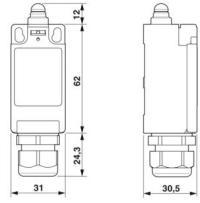
### Dimensions

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|                     |  |
|---------------------|--|
| Dimensional drawing |  |
| Width               | 31 mm  |
| Height              | 30.5 mm  |
| Depth               | 98.3 mm  |

## Material specifications

|  |                                      |
|--|--------------------------------------|
| Color (Housing)                        | black (RAL 9005)                     |
| Flammability rating according to UL 94 | V0                                   |
| Housing material                       | Thermoplastic, fiberglass-reinforced |

## Environmental and real-life conditions

### Ambient conditions

|  |   |
|--|---|
| Degree of protection                     | IP67, in acc. to IEC 60529 (only applies with closed cover) |
| Ambient temperature (operation)          | -30 °C ... 75 °C  |
| Ambient temperature (storage/transport)  | -40 °C ... 80 °C  |
| Permissible humidity (operation)         | 5 % ... 90 %  |
| Permissible humidity (storage/transport) | 5 % ... 90 %  |

## Standards and regulations

### Device class (built-in switch)

|                       |                          |
|-----------------------|--------------------------|
| Standards/regulations | IEC 60947-1              |
| Standard designation  | Category E (MC3+CC2+SC1) |

## Mounting

|                   |     |
|-------------------|-----|
| Mounting position | any |
|-------------------|-----|

# PLD E 400-DS-3,0/0,6 - Door position switch

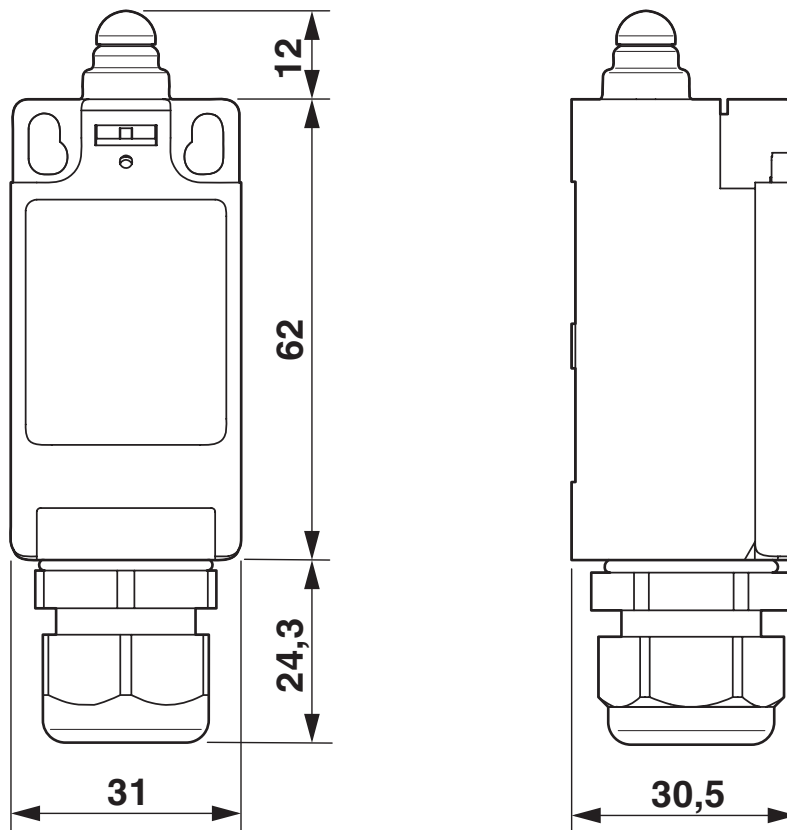


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## Drawings

Dimensional drawing



## Dimensions

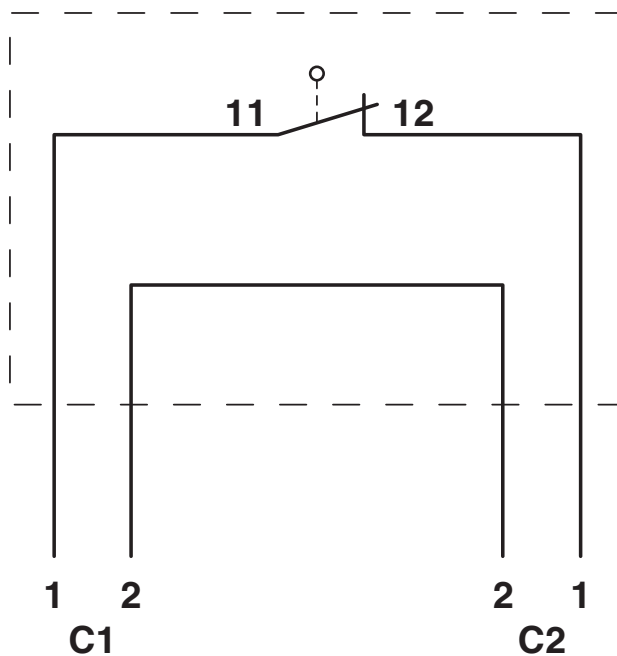
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Circuit diagram



# PLD E 400-DS-3,0/0,6 - Door position switch



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## Approvals

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**UL Listed**

Approval ID: E140324



**cUL Listed**

Approval ID: E140324

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-15.0 | 27111126 |
| ECLASS-13.0 | 27111126 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC002557 |
|-----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39111500 |
|-------------|----------|

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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% |
|-------------------------------------|----------------------------|

### EF3.1 Climate Change

|         |               |
|---------|---------------|
| CO2e kg | 3.886 kg CO2e |
|---------|---------------|

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