

## Datasheet - NDLGR/WS

Command and signalling devices / Push buttons and pilot lights - "N" Program / NDL - Illuminated pushbutton



(Minor differences between the printed image and the original product may exist!)

### Ordering details


|                          |               |
|--------------------------|---------------|
| Product type description | NDLGR/WS      |
| Article number           | 101163548     |
| EAN code                 | 4250116200498 |
| eCl@ss                   | 27-37-12-11   |

### Approval

Approval



### Global Properties

|  |  |
|--|--|
| Product name   | NDL - Illuminated pushbutton             |
| Standards  | IEC/EN 60947-1, EN 60947-5-1             |
| Compliance with the Directives (Y/N)  | No                                       |
| Suitable for safety functions (Y/N)  | No                                       |
| Mounting   | mounting flange ELM                      |
| Materials  |  |
| - Material of the operators  | ABS                                      |
| - Material of the front ring   | ABS, Chromium-plated                     |
| Design   | Embeddable button - Front plate mounting |
| Form   | Round                                    |
| Color  |  |

|                                   |   |
|-----------------------------------|---|
| - Colour of the operating element | <input type="checkbox"/> White            |
| - Colour of the bellows           | <input checked="" type="checkbox"/> Black |
| - Colour of the front ring        | <input type="checkbox"/> Silver           |
| Weight                            | 30 g                                      |
| Manner of using                   |   |
| Can be illuminated (Y/N)          | Yes                                       |

## Mechanical data

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|                                     |         |
|-------------------------------------|---------|
| Actuating stroke                    | 5 mm    |
| Latching (Y/N)                      | No      |
| Unlocking type                      | without |
| Probing possible (Y/N)              | Yes     |
| mounting flange available (Y/N)     | Yes     |
| Front plate thickness               |         |
| - min. front plate thickness        | 1.5 mm  |
| - max. front plate thickness        | 6 mm    |
| Tightening torque for fixing screws | 0,6 Nm  |

## Ambient conditions

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|  |                    |
|--|--------------------|
| Ambient temperature                      |                    |
| - Min. environmental temperature         | -25 °C             |
| - Max. environmental temperature         | +80 °C             |
| Storage and transport temperature        |                    |
| - Min. Storage and transport temperature | -                  |
| - Max. Storage and transport temperature | -                  |
| Fully insulated (Y/N)                    | Yes                |
| Sealing type                             | membrane, lip seal |
| Protection type IP                       | IP67, IP69K        |

## LED switching conditions display

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|                           |    |
|---------------------------|----|
| With integrated LED (Y/N) | No |
|---------------------------|----|

## Dimensions

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|                            |                  |
|----------------------------|------------------|
| Dimensions                 |                  |
| - Height                   | 28 mm            |
| - Diameter total Ø         | 44.5 mm          |
| Diameter of the front ring | 44.5 mm          |
| Diameter of touch surface  | 27 mm            |
| Hole, diameter             | 22.3 mm x 0,4 mm |
| Spacing                    | 50 x 50 mm       |

## Documents

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**Declaration of conformity** (de) 93 kB, 30.06.2014

Code: \_\_n-pp01\_de

**Declaration of conformity** (en) 81 kB, 22.08.2014

Code: \_\_n-pp01\_en

**BG-test certificate** (de, en, fr) 174 kB, 31.07.2014

Code: z\_ndrp01

**IPA Data** (en) 248 kB, 09.11.2012

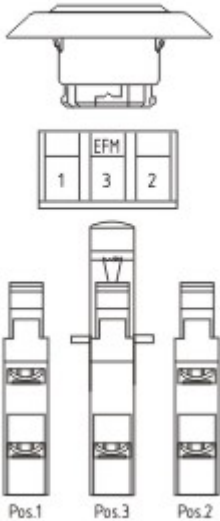
Code: i\_jpap02

**IPA Data** (de) 255 kB, 09.11.2012

Code: i\_jpap01

## Images

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Application

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## System components

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### Accessories



**101014387 - ELM**



**101174645 - NSK-GR**

- for pushbuttons and illuminated pushbuttons
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### contact element



**101026058 - EFK30.2**

- Cage clamps
- Mounting flange position 2
- 21-22 (Contact labelling)
- Suitable for EMERGENCY-OFF



**101026057 - EFK30.1**

- Cage clamps
- Mounting flange position 1
- 11-12 (Contact labelling)
- Suitable for EMERGENCY-OFF



**101022276 - EFK10.2**

- Cage clamps
- Mounting flange position 2
- 21-22 (Contact labelling)



**101022275 - EFK10.1**

- Cage clamps
- Mounting flange position 1
- 11-12 (Contact labelling)



**101022273 - EFK03.2**

- Cage clamps
- Mounting flange position 2
- 23-24 (Contact labelling)
- Suitable for EMERGENCY-OFF



**101022272 - EFK03.1**

- Cage clamps
- Mounting flange position 1
- 13-14 (Contact labelling)
- Suitable for EMERGENCY-OFF



**101006585 - EF303S.2**

- Screw connection
- Mounting flange position 2
- 31-32; 43-44 (Contact labelling)



**101006584 - EF303S.1**

- Screw connection
- Mounting flange position 1
- 11-12; 23-24 (Contact labelling)

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**101022138 - EF303.2**

- Screw connection
- Mounting flange position 2
- 31-32; 43-44 (Contact labelling)
- Suitable for EMERGENCY-OFF



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**101022137 - EF303.1**

- Screw connection
- Mounting flange position 1
- 11-12; 23-24 (Contact labelling)
- Suitable for EMERGENCY-OFF

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**101006551 - EF301.2**

- Screw connection
- Mounting flange position 2
- 31-32; 43-44 (Contact labelling)

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**101006550 - EF301.1**

- Screw connection
- Mounting flange position 1
- 11-12; 23-24 (Contact labelling)

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**101024262 - EF220.2**

- Screw connection
- Mounting flange position 2
- 31-32; 41-42 (Contact labelling)
- Suitable for EMERGENCY-OFF

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**101023927 - EF220.1**

- Screw connection
- Mounting flange position 1
- 11-12; 21-22 (Contact labelling)
- Suitable for EMERGENCY-OFF

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**101183081 - EF140.2**

- Screw connection
- Mounting flange position 2
- 31-32; 41-42 (Contact labelling)

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**101183080 - EF140.1**

- Screw connection
- Mounting flange position 1
- 11-12; 21-22 (Contact labelling)



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**101006542 - EF110.2**

- Screw connection
- Mounting flange position 2
- 31-32; 41-42 (Contact labelling)



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**101006541 - EF110.1**

- Screw connection
- Mounting flange position 1
- 11-12; 21-22 (Contact labelling)



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**101006548 - EF103.2**

- Screw connection
- Mounting flange position 2
- 31-32; 43-44 (Contact labelling)



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**101018110 - EF103.1G**

- Screw connection
- Mounting flange position 1
- 11-12; 23-24 (Contact labelling)



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**101006547 - EF103.1**

- Screw connection
- Mounting flange position 1
- 11-12; 23-24 (Contact labelling)



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**101176094 - EF102.2**

- Screw connection
- Mounting flange position 2
- 31-32; 43-44 (Contact labelling)



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**101176083 - EF102.1**

- Screw connection
- Mounting flange position 1
- 11-12; 23-24 (Contact labelling)

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**101006536 - EF10.2**

- Screw connection
- Mounting flange position 2
- 21-22 (Contact labelling)



**101006535 - EF10.1**

- Screw connection
- Mounting flange position 1
- 11-12 (Contact labelling)



**101006545 - EF033.2**

- Screw connection
- Mounting flange position 2
- 33-34; 43-44 (Contact labelling)
- Suitable for EMERGENCY-OFF



**101006544 - EF033.1**

- Screw connection
- Mounting flange position 1
- 13-14; 23-24 (Contact labelling)
- Suitable for EMERGENCY-OFF



**101006539 - EF03.2**

- Screw connection
- Mounting flange position 2
- 23-24 (Contact labelling)



**101006538 - EF03.1**

- Screw connection
- Mounting flange position 1
- 13-14 (Contact labelling)



**101028453 - EF02.2**

- Screw connection
- Mounting flange position 2
- 23-24 (Contact labelling)
- Suitable for EMERGENCY-OFF



**101028452 - EF02.1**

- Screw connection
- Mounting flange position 1
- 13-14 (Contact labelling)
- Suitable for EMERGENCY-OFF

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## Light terminal block



### 101167385 - ELDEKWS24

- Cage clamps
- Mounting flange position 3
- white LED
- 24 VAC/DC



### 101167525 - ELDE.NWS48

- Screw connection
- Mounting flange position 3
- white LED
- 48 VAC



### 101166000 - ELDE.NWS24

- Screw connection
- Mounting flange position 3
- white LED
- 24 VAC/DC



### 101166026 - ELDE.NWS230

- Screw connection
- Mounting flange position 3
- white LED
- 230 VAC

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The data and values have been checked thoroughly. Technical modifications and errors excepted.

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