



NDLS

- hygienic design
- Protection class IP69K
- Mounting hole 22.3 mm

Data

Ordering data

Product type description	NDLS
Article number (order number)	101162104
EAN (European Article Number)	4250116200498
eCl@ss number, version 12.0	27-37-12-10
eCl@ss number, version 11.0	27-37-12-10
eCl@ss number, version 9.0	27-37-12-10
ETIM number, version 7.0	EC000221
ETIM number, version 6.0	EC000221

Approvals - Standards

Certificates	cULus UKCA Hygiene geprüft
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General data

Standards	EN IEC 60947-5-1 EN IEC 60947-1
Versions	Front plate mounting Illuminated pushbutton

Design	Round Tactile
Installation conditions (mechanical)	arbitrarily
Sealing type	Lip gaskets
Material of the operators	Plastic
Material of the front ring	ABS, chrome-plated
Colour of the operating element	White
Colour of the front ring	Silver
Colour of the bellows	White
Gross weight	30 g

General data - Features

Illuminable	Yes
Mounting flange	Yes
Probing possible	Yes
Fully insulated	Yes
Number of contact elements, maximum	2

Mechanical data

Unlocking	without
Mechanical life, minimum	1,000,000 Operations
Actuating stroke	5 mm
Actuating force, approx.	1.5 N
Mounting	central nut
Tightening torque of the screw	0.6 Nm

Mechanical data - Dimensions

Height	11 mm
Diameter total	44.5 mm
Diameter of touch surface	27 mm

Diameter of the front ring	44.5 mm
Mounting diameter	22.3 mm
Thickness, of the front panel, minimum	1.5 mm
Thickness of the front panel, maximum	6 mm
Spacing	50 x 50 mm

Ambient conditions

Degree of protection	IP69K
Ambient temperature	-25 ... +80 °C
Resistance to shock	30 g / 18 ms
Resistant to vibration	20 g / 10 ... 150 Hz

Electrical data

Maximum switching frequency	1,000 /h
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Ordering code

Product type description:

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(1)DT(8)(2)	Pushbutton
(1)DM(2)	Pushbutton with diaphragm for dust protection
(1)DL(8)(2)	Illuminated pushbutton
(1)DLM(2)	Illuminated pushbutton with diaphragm for dust protection
(1)ML(2)	Indicator light with flat collar
(1)MLH(2)	Indicator light with high collar
(1)DP(3)(8)(2)	Mushroom head impact button without latching
(1)DTP(3)(8)(2)	Mushroom head impact button without latching (only N-programm)
(1)DLP(3)(8)(2)	Mushroom head impact button illuminated, without latching (only N programme)
(1)DRR(3)(8)(2)	Mushroom head impact button with latching, unlock by turning and pulling (pulling only in N programme)

(1)DRZ(3)(8)(2)	Mushroom head impact button with latching, unlock by pulling
(1)WS21(4)(5)	Selector switch with 2 positions:
(1)WT21(4)(5)	Selector switch with 1 momentary position
(1)WS32(4)(5)	Selector switch with 3 maintained positions
(1)WT32(4)(5)	Wahlschalter mit 2 Taststellungen
(1)WST32(4)(5)	Selector switch: switching, latching
(1)WTS32(4)(5)	Selector switch: latching, switching
(1)SS21S(4)(5)	Key-operated selector switch with 2 maintained positions
(1)ST21S(4)(5)	Key-operated selector switch with 1 momentary position
(1)SS32S(4)(5)	Key-operated selector switch with 3 maintained positions
(1)ST32S(4)(5)	Key-operated selector switch with 2 momentary positions, left and right
(1)SST32S(4)(5)	Key-operated selector switch: switching, latching
(1)STS32S(4)(5)	Key-operated selector switch: latching, switching
B	Blanking plug
(1)	
-	Command and signalling devices:
E	"E" program
N	"N" program
R	"R" program
(2)	
-	Colour of button surface:
SW	Black
GB	Yellow
RT	Red
GN	Green
WS	White
BL	Blue
GR	Grey

(3)

-	Head diameter of mushroom head impact button 30 mm:
30	30 mm
35	35 mm
40	40 mm
42	42 mm
45	45 mm
50	50 mm
55	55 mm
70	70 mm

(4)

-	Toggle length in mm:
without	Short toggle
.1	Long toggle

(5)

-	Colour of toggle:
without	Grey
WS	White

(6)

-	Key-withdrawal position (3 positions):
1	Position left
2	Position middle
3	Position right

(7)

-	Key-withdrawal position (2 positions):
1	Position left
2	Position right

(8)

-	Colour of diaphragm (only N programme):
without	White
GR/	Black
BL/	Blue

Pictures

Product picture (catalogue individual photo)



ID: kndl-f03
| 342,9 kB | .jpg | 352.778 x 316.794 mm - 1000 x 898 px - 72 dpi
| 34,3 kB | .png | 74.083 x 66.322 mm - 210 x 188 px - 72 dpi
| 48,3 kB | .jpg | 123.472 x 110.772 mm - 350 x 314 px - 72 dpi

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The details and data referred to have been carefully checked. Images may diverge from original. Further technical data can be found in the manual. Technical amendments and errors possible.
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