

Datasheet

→ YTLB_0042

11/11/2025



Technical data

Illuminated pushbutton

Type	YTLB_0042
Series	mYnitron®
Rubric	Pushbutton
Approvals	CE, cURus, UKCA



Illustration similar

→ General data

Design	Round
Illumination	Yes
Labelling option	Yes
Operating temperature	-25 °C ... 70 °C
Panel cut-out	Ø 16.2 mm
Mounting depth	18 mm
Lens colour	Blue
Front bezel colour	Black
Contact material	Stainless steel 1.4310 gold-plated Snap dome CuZn37 gold-plated Counter contact
Storage temperature	-40 °C ... 80 °C
Standards	IEC/EN 60947-5-1
Grid spacing	25 x 25 mm
Degree of protection front	IP65 IP67

Note

- Labeling possible on request

→ Electrical data

<i>Rated operating voltage IEC/EN 60947-5-1</i>	35 V AC 35 V DC
<i>Rated operating current IEC/EN 60947-5-1</i>	0.1 A AC 0.1 A DC
<i>Rated insulation voltage IEC/EN 60947-5-1</i>	42 V AC 42 V DC
<i>Contact resistance</i>	< 100 mΩ NO new state
<i>Electrical lifetime</i>	500,000 switching cycles at rated voltage
<i>Enclosure type information acc. to UL</i>	Type 1
<i>Utilisation category IEC/EN 60947-5-1</i>	AC12 DC12
<i>Contact type</i>	1NO
<i>Illuminant power</i>	18 mA ... 22 mA
<i>Illuminant</i>	LED integrated
<i>Illuminant connection</i>	+ ...anode, - ...cathode
<i>Operating voltage illuminant</i>	max. 10 V ... 32 V DC
<i>Illuminant colour</i>	White
<i>Bouncing time</i>	< 5 ms NO
<i>Rating information acc. to UL</i>	max. 30 V AC max. 42.4 V Peak 100 mA Class 2
<i>Switching capacity</i>	35 V 100 mA AC/DC
<i>Breaking capacity IEC/EN 60947-5-1</i>	1 W AC Ohmsche Last 1 W DC Ohmsche Last

Minimum voltage	20 mV
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Current minimal	10 µA
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Thermal continuous current IEC/EN 60947-5-1	100 mA AC 100 mA DC
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Overvoltage category	II
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Pollution degree	2
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Note

- Use partially insulated blade receptacles (see accessories)

→ Mechanical data

Connection	Faston terminals connector 2,8 mm x 0,5 mm
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Operating travel	1 mm
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Tightening torque fixing nut	max. 0.7 Nm
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Mounting position	Any
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Mechanical lifetime	500,000 switching cycles
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Switching function	Momentary function
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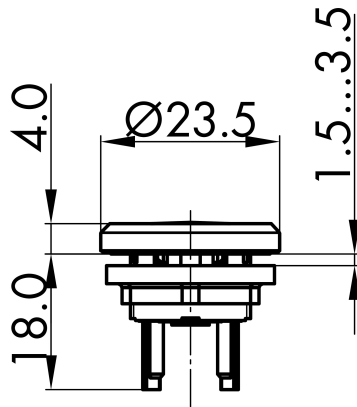
Tactile	Yes
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Note

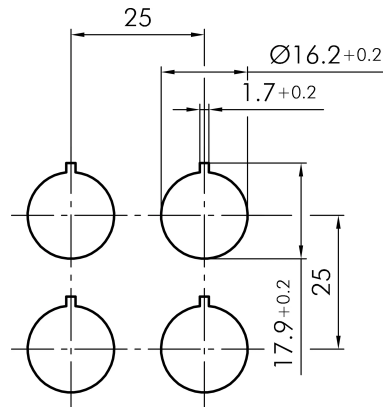
- The blade terminals are not suitable for manual soldering!

Technical drawings

→ Dimensional drawing



→ Cutout dimensions



→ Circuit diagram

