

YMTLR

07.07.2021

Illuminated pushbutton



General Data

Type reference	YMTLR
Description	Illuminated short-stroke pushbutton mYnitron
Approvals	CE, cURus, UKCA
Contact type	1 NO
Degree of protection	IP65 / IP67
Operation travel	1,0 mm
Connection type	Faston terminals 2.8 mm x 0.5 mm
Contact material	snap disk: stainless steel 1.4310 gold-plat. counter contact: CuZn37, gold-plat
Max. storage temperature	-40°C ... 80°C
Max. operating temperature	-25°C ... 70°C
Mechanical life	500,000 switching cycles
Electrical life (rated load)	500,000 switching cycles at rated load
Contact resistance NO	< 100 mOhm
Min. current	10 uA
Min. voltage	20 mV
Bouncing time NO	< 5ms

Electrical data acc. to IEC/EN 60947-5-1 (VDE 0660 Sect. 200)

	alternate current	direct current
Utilisation category	AC12	DC12
Rated insulation voltage Ui	42 V	42 V
Rated operating voltage Ue	35 V	35 V
Rated operating current Ie	100 mA	100 mA
Breaking capacity	1 W (ohmic load)	1 W (ohmic load)
Continuous thermal current	100 mA	100 mA

Technical Data - Lamp

Lamp socket	none, with integrated LED
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Max. lamp voltage	10...32 V
Max. lamp output	20 mA (18...22 mA)
Definition	+ ...anode, - ...cathode

Additional data

Mounting aperture	16.2 mm
Tightening torque (mounting nut)	max. 0.7 Nm
Mounting grid	25 mm x 25 mm
Mounting position	any
Standards	IEC/EN 60947-5-1
Overvoltage category	II
Pollution degree	2

Electrical features

B10 [cycles]	600.000
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Note

- contact type 1 NO
- perceptible, defined pressure point
- front ring silver-coloured
- incl. red lens
- various labelling options (standard symbols or customised)

- Use partially insulated Faston terminals!
 Recommended Schlegel type: "FHTI2,8x0.5_01"
 0.5-1.5mm² (AWG 20-16)
 -30°C - 75°C
- NO: 3-4
- LED: +/-

- The Faston terminals are not suitable for hand soldering
- The max. tightening torque mounting nut to be observed (0.7 Nm) !

Test data acc. to UL60947-5-1 / C22.2 No. 60947-5-1

Ratings	max. 30 V ac or 42.4 V peak, 100 mA, Class 2
Illumination	10-32 V DC 20 mA
Operating temperature	-25°C ... 70°C
Enclosure Type	Type 1



Remark

- Nur für Class 2 Spannungsversorgung oder begrenzte Spannungs- / Stromwerte
- For Class 2 Power Source or Limited Voltage / Limited Current only
- Pour classe 2 source d'alimentation ou tension limitée / courant limitée uniquement

