Datasheet

→ YKTRF

11/11/2025

Technical data

Pushbutton, non-transparent lens

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

→ General data

Design	Round
Operating temperature	-25 °C ... 70 °C
Broadband noise DIN EN 60068-2-64, FH	5 g bis 10 Hz ... 500 Hz
Panel cut-out	Ø 16.2 mm
Mounting depth	16 mm
Lens colour	Red
Front bezel colour	Black
Weight	4.2 g
Contact material	Stainless steel 1.4310 0.2 µm Ni + 0.2 µm Au
Storage temperature	-40 °C ... 80 °C
Standards	IEC/EN 60947-5-1
Grid spacing	25 x 25 mm
Salt spray resistance IEC 60068-2-11	Ja

Shock resistance *IEC 60068-2-27*	15 g at 11 ms amplitude, half-sinusoidal
Degree of protection front	IP65 IP67 IP69K
Vibration resistance *IEC 60068-2-6*	5 g bei 10 bis 500 Hz

➔ Electrical data

Rated operating voltage *IEC/EN 60947-5-1*	35 V AC 35 V DC
Rated operating current *IEC/EN 60947-5-1*	0.1 A AC 0.1 A DC
Rated insulation voltage *IEC/EN 60947-5-1*	50 V AC 50 V DC
Contact resistance	< 100 mΩ NO new state
Electrical lifetime	1,000,000 switching cycles at rated voltage
Enclosure type *information acc. to UL*	Type 1
Utilisation category *IEC/EN 60947-5-1*	AC12 DC12
Contact type	1NO
Bouncing time	< 1 ms NO
Rating *information acc. to UL*	max. 48 V AC/DC max. 100 mA max. 1 W Resistive load
Switching capacity	35 V 100 mA AC/DC
Breaking capacity *IEC/EN 60947-5-1*	1 W AC Ohmsche Last 1 W DC Ohmsche Last
Minimum voltage	20 mV
Current minimal	10 µA
Thermal continuous current *IEC/EN 60947-5-1*	100 mA AC 100 mA DC

Overvoltage category	II
Pollution degree	2

➔ Mechanical data

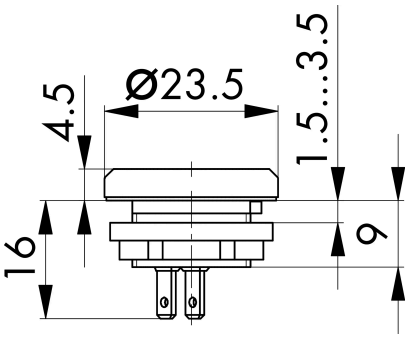
Connection	Faston terminals connector 2,8 mm x 0,8 mm
Operating force	4 Nm ... 7 Nm
Operating travel	1.8 mm
Tightenting torque fixing nut	0.7 Nm ... 1 Nm
Mounting position	Any
Mechanical lifetime	1,000,000 switching cycles

Note

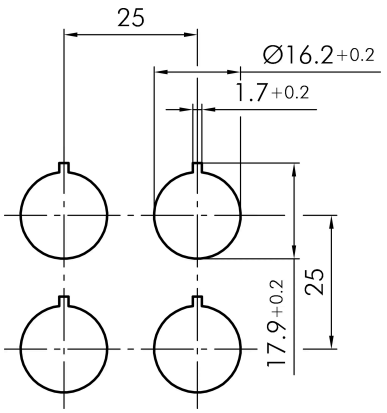
- The flat plug contacts must not be subjected to mechanical stress, ensure sufficient strain relief!

Technical drawings

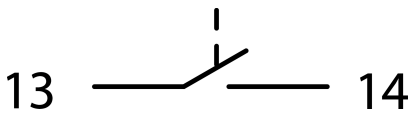
➔ Dimensional drawing



➔ Cutout dimensions



➔ Circuit diagram



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