

YKTRF

15.06.2023

Pushbutton, non-transparent lens



General Data

Type reference	YKTRF
Description	Short-stroke pushbutton mYnitron-eco
Approvals	CE, cURus, UKCA
Contact type	1 NO
Degree of protection	IP65 / IP67 / IP69K
Operation travel	1.8 mm
Connection type	Faston terminals 2.8 x 0.8 mm
Contact material	1.4310, 0,2 µm Ni + 0,2 µm Au
Max. storage temperature	-40°C ... 80°C
Max. operating temperature	-25°C ... 70°C
Mechanical life	1 million switching cycles
Electrical life (rated load)	1 million switching cycles
Contact resistance NO	< 100 mOhm
Min. current	10 µA
Min. voltage	20 mV
Bouncing time NO	< 1ms

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	50 V	50 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

Additional data

Mounting aperture	16.2 mm
Tightening torque (mounting nut)	0.7 ... 1.0 Nm



Mounting grid	25 mm x 25 mm
Mounting position	any
Operating force	4...7 Nm
Standards	IEC/EN 60947-5-1
Overvoltage category	II
Pollution degree	2

Electrical features

B10 [cycles]	1 million
B10d [cycles]	2,000,000 (DC12, 1 W)
Vibration resistance, IEC 60068-2-6	5g at 10...500Hz
Shock resistance, IEC 60068-2-27	15g at 11 ms amplitude, semi-sinusoidal
Broadband noise DIN EN 60068-2-64, Fh	5g, 10...500Hz
Salt spray	IEC 60068-2-11

Note

contact type I = NO
 - defined perceptible switching point
 - front ring in black
 - no labelling option
 - lens red

- mounting depth: 16 mm (incl. Faston terminals)

Note:

There may not be any mechanical load on the Faston contacts, ensure that there is sufficient strain relief!

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

Ratings	max. 48 V ac/dc, max. 100 mA or 1 W, resistive load
Operating temperature	-25°C ... 70°C
Enclosure Type	Type 1



