Datasheet

→ YPVLOO

06/08/2026

Technical data

Compact illuminated emergency stop



Type	YPVLOO
Series	MYnitron®
Rubric	Emergency-stop
Approvals	CE, cURus, TÜV_Süd, UKCA

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➔ General data

Design	Round
Illumination	Yes
Operating temperature	-25 °C ... 70 °C
Panel cut-out	Ø 16.2 mm
Mounting depth	18 mm
Lens colour	Red
Enclosure colour	Yellow
Contact material	AgNi
Storage temperature	-40 °C ... 80 °C
Standards	IEC/EN 60947-5-1 IEC/EN 60947-5-5 EN ISO 13850
Degree of protection front	IP65 IP67 IP69K
Material group	I

➔ Electrical data

Rated operating voltage IEC/EN 60947-5-1	240 V AC 35 V AC 250 V DC 35 V DC
Rated operating current IEC/EN 60947-5-1	1.5 A AC 5 A AC 0.27 A DC 2 A DC
Rated insulation voltage IEC/EN 60947-5-1	250 V AC 250 V DC
Contact resistance	< 20 mΩ NC new state
Electrical lifetime	30,000 switching cycles at rated voltage

Enclosure type *UL 508, IEC 60947-5-5*	Type 1 (front face)
Utilisation category *IEC/EN 60947-5-1*	AC-15 DC-13
Contact type	2NC
Lamp rating *UL 508, IEC 60947-5-5*	30 V AC/DC Rated power max. 8 mA AC/DC Rated power max. 4.5 mA AC/DC at 24 V
Illuminant power	max. 8 mA AC/DC max. 4.5 mA AC/DC 24 V
Illuminant	LED integrated
Illuminant connection	X1...anode, X2...cathode
Operating voltage illuminant	max. 30 V AC/DC
Bouncing time	< 10 ms NC
Rating *UL 508, IEC 60947-5-5*	C300 35 V / 2 A Contact block R300 35 V / 2 A Contact block
Switching capacity	240 V AC/DC 1.5 A 35 V AC/DC 5 A
Breaking capacity *IEC/EN 60947-5-1*	10 Ie AC 1.1 Ie DC
Thermal continuous current *IEC/EN 60947-5-1*	5 A AC
Overvoltage category	II
Pollution degree	2

Notes

- Use partially insulated blade receptacles

➔ Mechanical data

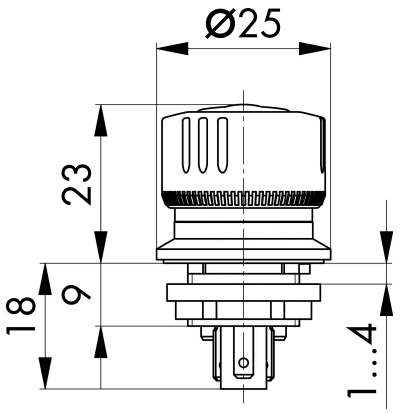
Connection	Faston terminals 2.8 mm x 0.5 mm
Operating force	Abt. 40 N at 20 mm/min
Tightening torque fixing nut	0.8 Nm ... 1.5 Nm
Mounting position	Any
Release	Pull release
Release force	20 N ≤ FE ≤ 50 N
Mechanical lifetime	30,000 switching cycles
Switching position indicator	Yes
Positive opening	Acc. to EN60947-5-1, appendix K

➔ Safety data

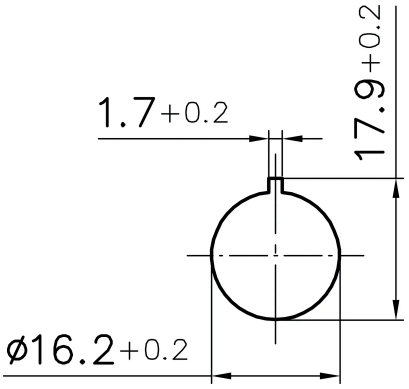
B10d	179,000
Lifetime	20 % NC

Technical drawings

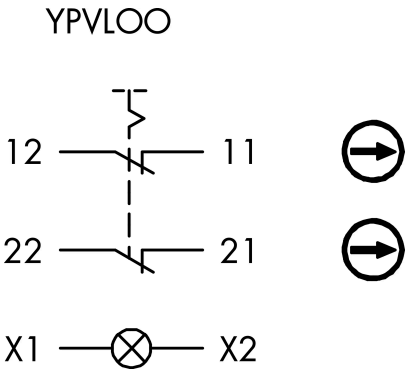
➔ Dimensional drawing



➔ Cutout dimensions



➔ Circuit diagram



Awards

reddot winner 2024
industrial design