

**YVLO**

**Illuminated emergency-stop - 1NC**



General Data	
Type reference	YV(O)(OO)(H)(OOI)(LOO)(LO)(_AU)(_R0)(_674)
Description	Emergency-stop head, foolproof
Approvals	CE, TÜV_Süd, UR
Contact type	2NC / 2NC+1NO / 1NC
Degree of protection	IP65 / IP67 / IP69K
Connection type	Faston terminals 2.8 mm x 0.5 mm / soldering lug
Contact material	AgNi / AgNi, gold-plated 5µm
Max. storage temperature	-40°C ... 80°C
Max. operating temperature	-25°C ... 70°C
Mechanical life	50,000
Electrical life (rated load)	50,000 switching cycles at rated load
Contact resistance NO	< 20 mOhm/< 50 mOhm (Au)
Contact resistance NC	< 20 mOhm/< 50 mOhm (Au)
Bouncing time NO	< 10 ms
Bouncing time NC	< 10ms
Positive opening contact	acc. to EN60947-5-1,appendix K

Electrical data acc. to IEC/EN 60947-5-1 (VDE 0660 Sect. 200)		
	alternate current	direct current
Utilisation category	AC15	DC13
Rated insulation voltage Ui	250 V	250V
Rated operating voltage Ue	35 V	35 V
Rated operating current Ie	5A	2 A
Breaking capacity	10Ie	1,1Ie
Continuous thermal current	5A	

Technical Data - Lamp	
Lamp socket	none, with integrated LED
Max. lamp voltage	30 V AC/DC



Max. lamp output 8mA/4.5mA (at 24 V DC/AC)

Definition X1...anode, X2...cathode

### Additional Data

Mounting aperture 16.2 mm

Tightening torque (mounting nut) 0.8 ... 1.5 Nm

Release twist release, left or right

Mounting position any

Standards EN 60947-5-1, EN 60947-5-5, EN ISO 13850

Material group I

Overvoltage category II

Pollution degree 2

### Electrical Features - 5µm gold-plating, type addition ...AU

Operational voltage 20 mV...35 V AC/DC

Operational current AC/DC 1mA ... 100mA

Ld 20% (NC)

B10d 250,000

### Note

- with switching position indicator
- H= version with solder lug for hand soldering (YVOH..., YVOOH...)
- \_674 ...with aluminium nut for plate thickness: 1.5...3.0 mm  
torque - mounting nut: 1.2 Nm
- \_R0 ...0 ohm series resistor, with protective diode (series-connected)  
LED cut-off voltage: max. 75 V (incl. protective diode)
- If LED, max: 25 mA  
Uf LED, typical: 3.2 V (20mA)
- Use partially insulated Faston clamps (for versions with Faston terminals)  
Recommend Schlegel type "FHTI2,8x0,5\_01"  
0.5-1.5mm<sup>2</sup> (AWG 20-16)  
-30°C - 75°C
- Supplementary data for versions without 3rd contact assignment/illumination (type YVOO):  
acc. to IEC/EN 60947-5-1 (VDE 0660 sect. 200)  
AC15 B300: Ue/Ie 240V 1.5A  
DC13 Q300: Ue/Ie 250V 0.27A



Note - applies to version "H"/solder lug:  
 When soldering the strands to the solder lugs, make sure that in the soldering process the necessary air and creepage distances between solder lug and mounting nut are not reduced (possibly caused by solder splashes or protruding strands).

Note - applies to version "\_R0" (0 ohm series resistor):  
 The LED must not be operated without series resistor.  
 Do not connect terminals X1-X2 directly to voltage.  
 Observe LED data!

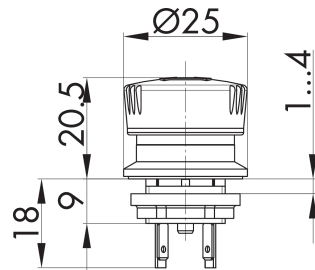
**Data acc. to UL508, IEC60947-5-5**

Tightening torque (mounting nut)	0.8 ... 1.5 Nm (plastic nut) 1,2 Nm (metal nut)
Rating contact block	Silver: 35V AC/DC, 2A; Gold: 35VDC/100mA
Lamp rating	30 V AC/DC; Rated power max.: 8mA/4.5mA (at 24 V DC/AC)

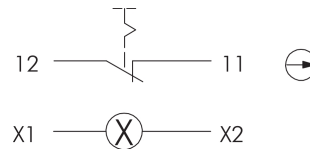
Illustration:



Dimensional drawing:



Wiring diagram:



Drilling pattern:

