YV_ALLE 11.02.2021

Emergency-stop - 2NC+1NO

General Data	
Type reference	YV(O)(OO)(H)(OOI)(LOO)(LO)(_AU)(_R0)(_674)
Description	Emergency-stop head, foolproof
Approvals	CE, TÜV_Süd, UKCA, UR
Contact type	2 NC / 2 NC + 1 NO / 1 NC
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 (_AU)
Max. storage temperature	-40°C ... 80°C
Max. operating temperature	-25°C ... 70°C
Mechanical life	50,000 switching cycles
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	< 10ms
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	250 V
Rated operating voltage Ue	35 V	35 V
Rated operating current Ie	5 A	2 A
Breaking capacity	10Ie	1,1Ie
Continuous thermal current	5 A	-

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

Max. lamp output	8mA/4.5 mA (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
Operating force	approx. 25 N (at 20 mm/min)
Ld	20% (NC)

B10d [cycles]

Note

- with switching position indicator
- O= NC contact, I = NO contact, L = lamp
- H = version with soldering lug for manual soldering (YVOH..., YVOOH...)
- _674 ...with aluminum fixing nut for panel thickness: 1.5...3.0 mm
  tightening torque fixing nut: 1.2 Nm
- _R0 ...0 ohm series resistor, with protective diode (series-connected)
LED cut-off voltage: max. 75 V (with protective diode)
If LED, max: 25 mA
Uf LED, typical: 3.2 V (20mA)

- Use partially insulated Faston clamps (for versions with Faston connections)!
  Recommended Schlegel type: "FHTI2,8x0,5_01"
0.5-1.5mm² (AWG 20-16)
-30°C - 75°C

Additional data for versions without assignment of 3rd contact/illumination (type YVOO):
acc. to IEC/EN 60947-5-1 (VDE 0660 Part 200)
AC15 B300: Ue/Ie 240V 1.5A
DC13 Q300: Ue/Ie 250V 0.27A

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

Note for 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)
Enclosure Type	Type 1 (front face)