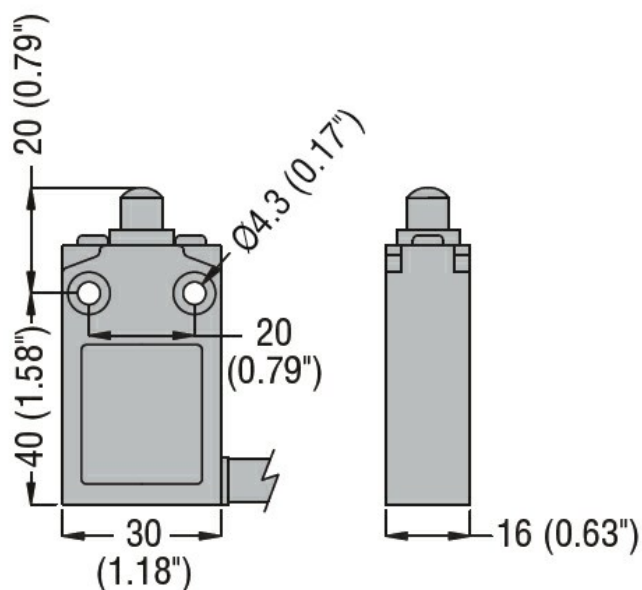


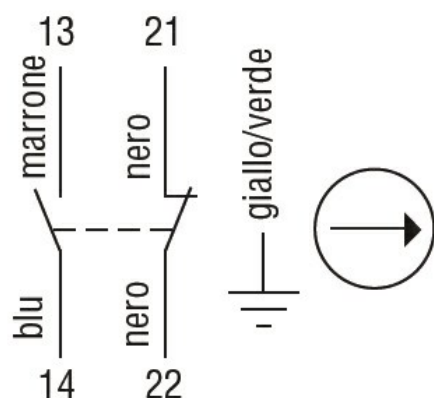


|   |  |          |                      |
|---|--|----------|----------------------|
| Product designation                                       |  |          | Top push rod plunger |
| Product type designation                                  |  |          | KPA1                 |
| General characteristics                                   |  |          |                      |
| Material  |  | Housing  | Aluminium-zinc alloy |
|   |  | Roller   | Metal                |
| Contact characteristics                                   |  |          |                      |
| Type of contact   |  |          | 1NO+1NC Snap action  |
| Thermal current I <sub>th</sub>                           |  | A        | 10                   |
| IEC/EN 60947-5-1 designation                              |  |          | B300 R300            |
| Rated insulation voltage U <sub>i</sub>                   |  | V        | 400                  |
| Rated impulse withstand voltage U <sub>imp</sub>          |  | kV       | 4                    |
| Insulation class  |  |          | I                    |
| IEC Conventional free air thermal current I <sub>th</sub> |  | A        | 10                   |
| Resistance per pole (average value)                       |  | mΩ       | <25                  |
| Conductivity  |  |          | 10mA 5V              |
| Mechanical features                                       |  |          |                      |
| Operating head fixing                                     |  |          | Fixed                |
| Operating torque  |  |          |                      |
|   |  |          | N 15                 |
|   |  |          | lb 3.4               |
| Tightening torque (Max)                                   |  |          |                      |
| Switch fixing   |  | Nm       | 2.5                  |
|   |  | lbin     | 22.1                 |
| Weight  |  | g        | 286                  |
| Operations  |  |          |                      |
| Mechanical life   |  | cycles   | >10000000            |
| Mechanical operation                                      |  | cycles/h | 3600                 |
| Ambient conditions  |  |          |                      |
| Temperature   |  |          |                      |
| Operating temperature                                     |  | min °C   | -25                  |
|   |  | max °C   | +70                  |
| Storage temperature                                       |  | min °C   | -40                  |
|   |  | max °C   | +70                  |
| Resistance & Protection                                   |  |          |                      |
| IP degree   |  |          |                      |
| Body housing  |  |          | IP67                 |
| Pollution degree  |  |          | 3                    |
| Dimensions  |  |          |                      |



## Wiring diagrams

### Snap action



**1NO + 1NC**

## Certifications and compliance

### Compliance

CSA C22.2 n° 14.

IEC/EN 60947-1

IEC/EN 60947-5-1

UL508

### Certificates

cULus

EAC

## ETIM classification

ETIM 8.0

EC000030 - End  
switch