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|-----------------------------------------------|--|----------------------------------------------------------------------|----------------------|
| Product designation                           |  | Prewired (2m cable) metal limit switches - Top push rod plunger KPA1 |                      |
| Product type designation                      |  |                                                                      |                      |
| General characteristics                       |  |                                                                      |                      |
| Material                                      |  | Housing                                                              | Aluminium-zinc alloy |
|                                               |  | Roller                                                               | Metal                |
| Contact characteristics                       |  |                                                                      |                      |
| Type of contact                               |  | 1NO+1NC Snap action                                                  |                      |
| Thermal current Ith                           |  | A                                                                    | 10                   |
| IEC/EN 60947-5-1 designation                  |  | B300 R300                                                            |                      |
| Rated insulation voltage Ui                   |  | V                                                                    | 400                  |
| Rated impulse withstand voltage Uimp          |  | kV                                                                   | 4                    |
| Insulation class                              |  | I                                                                    |                      |
| IEC Conventional free air thermal current Ith |  | 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                               |  |                                                                      |                      |
| Certifications and compliance                 |  |                                                                      |                      |
| Compliance                                    |  | CSA C22.2 n° 14.                                                     |                      |
|                                               |  | IEC/EN 60947-1                                                       |                      |
|                                               |  | IEC/EN 60947-5-1                                                     |                      |

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UL508

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Certificates

cULus  
EAC

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ETIM classification

ETIM 8.0

EC000030 - End  
switch