



KP A1... KP A2...



KP B1... KP B2...



KP B3... KP B4...



KP B5... KP B6...



KP B7... KP B8...



KP E1... KP E2...



KP F1... KP L2...

| Order code | Contacts | Cable length Ⓜ | Qty per pkg n° | Wt [kg] |
|------------|----------|-------------------|-------------------|------------|
|------------|----------|-------------------|-------------------|------------|

TOP PUSH ROD PLUNGER.

| | | | | |
|-----------|---------------------|---|---|-------|
| KP A1 S11 | 1NO+1NC Snap action | 2 | 1 | 0.286 |
| KP A1 L11 | 1NO+1NC Slow action | 2 | 1 | 0.286 |
| KP A2 S11 | 1NO+1NC Snap action | 2 | 1 | 0.302 |
| KP A2 L11 | 1NO+1NC Slow action | 2 | 1 | 0.302 |

TOP ROLLER PUSH PLUNGER.

| | | | | |
|-----------|---------------------|---|---|-------|
| KP B1 S11 | 1NO+1NC Snap action | 2 | 1 | 0.290 |
| KP B1 L11 | 1NO+1NC Slow action | 2 | 1 | 0.290 |
| KP B2 S11 | 1NO+1NC Snap action | 2 | 1 | 0.290 |
| KP B2 L11 | 1NO+1NC Slow action | 2 | 1 | 0.290 |
| KP B3 S11 | 1NO+1NC Snap action | 2 | 1 | 0.288 |
| KP B3 L11 | 1NO+1NC Slow action | 2 | 1 | 0.288 |
| KP B4 S11 | 1NO+1NC Snap action | 2 | 1 | 0.296 |
| KP B4 L11 | 1NO+1NC Slow action | 2 | 1 | 0.296 |

M12 HEAD TOP ROLLER PUSH PLUNGER.

| | | | | |
|-----------|---------------------|---|---|-------|
| KP B5 S11 | 1NO+1NC Snap action | 2 | 1 | 0.308 |
| KP B5 L11 | 1NO+1NC Slow action | 2 | 1 | 0.308 |
| KP B6 S11 | 1NO+1NC Snap action | 2 | 1 | 0.310 |
| KP B6 L11 | 1NO+1NC Slow action | 2 | 1 | 0.310 |
| KP B7 S11 | 1NO+1NC Snap action | 2 | 1 | 0.310 |
| KP B7 L11 | 1NO+1NC Slow action | 2 | 1 | 0.310 |
| KP B8 S11 | 1NO+1NC Snap action | 2 | 1 | 0.310 |
| KP B8 L11 | 1NO+1NC Slow action | 2 | 1 | 0.310 |

ROLLER LEVER PLUNGER.

| | | | | |
|-----------|---------------------|---|---|-------|
| KP E1 S11 | 1NO+1NC Snap action | 2 | 1 | 0.336 |
| KP E1 L11 | 1NO+1NC Slow action | 2 | 1 | 0.336 |
| KP E2 S11 | 1NO+1NC Snap action | 2 | 1 | 0.336 |
| KP E2 L11 | 1NO+1NC Slow action | 2 | 1 | 0.336 |

ADJUSTABLE ROLLER LEVER.

| | | | | |
|-----------|---------------------|---|---|-------|
| KP F1 S11 | 1NO+1NC Snap action | 2 | 1 | 0.344 |
| KP F1 L11 | 1NO+1NC Slow action | 2 | 1 | 0.344 |

ADJUSTABLE ROD LEVER.

| | | | | |
|-----------|---------------------|---|---|-------|
| KP L2 S11 | 1NO+1NC Snap action | 2 | 1 | 0.342 |
| KP L2 L11 | 1NO+1NC Slow action | 2 | 1 | 0.342 |

OMNIDIRECTIONAL WOBBLE STICK.

| | | | | |
|-----------|---------------------|---|---|-------|
| KP M2 S11 | 1NO+1NC Snap action | 2 | 1 | 0.298 |
|-----------|---------------------|---|---|-------|

- ① Direct (positive) opening action \ominus ; safety function according to IEC/EN 60947-5-1.
- ② For prewired switches with 1m long cable only, add suffix 010 at the end of the order code.
Example: KP A1 S11 010 for prewired switch, top push metal rod plunger, with 1NO+1NC snap action contacts and 1m long cable.
- ③ M12 head fixing.
- ④ Roller operation perpendicular to switch body.

Operational characteristics

- Maximum operating rate: 3600 cycles/h
- Mechanical life: >10 million cycles
- IEC conventional thermal current Ith: 5A
- UL/CSA and IEC/EN 60947-5-1 designation: B300 R300
- IEC rated insulation voltage U_i : 400VAC
- IEC rated impulse withstand voltage U_{imp} : 4kV
- Class I insulation
- Contact resistance: <25m Ω
- 2 metre long cable (5 cores, each 0.75mm²/18 AWG)
- Body housing: aluminium - zinc alloy
- Operating force/torque:
 - KP A types: 15N/3.4lb
 - KP B types: 10N/2.2lb
 - KP E, KP F and KP L types: 0.08Nm/0.7lbin
 - KP M types: 0.1Nm/0.9lbin
- Tightening torque for switch fixing: 2.5Nm/22.1lbin
- Ambient conditions:
 - Operating temperature: -25 ... +70°C
 - Storage temperature: -40 ... +70°C
 - Pollution degree: 3
 - IEC degree of protection: IP67 for body housing.

Certifications and compliance

Certifications obtained: EAC, UL Listed for USA and Canada (cULus - File E93601), as Auxiliary Devices - Limit switches.
Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1, UL508, CSA C22.2 n° 14.

- ▶ Forward travel of snap action contacts open
- ◀ Return travel of snap action contacts closed

