

LIMIT SWITCH, K SERIES, HINGE OPERATING, 1 BOTTOM CABLE ENTRY. DIMENSIONS TO EN 50047, PLASTIC BODY, CONTACTS 3NC SLOW ACTION. SHORT CYLINDER SHAFT



Product designation  
Product type designation

Hinge operating  
KBP

**General characteristics**

**Material**

Housing	Polymer thermoplastic
Rod	Short cylinder hinge

**Contact characteristics**

Type of contact	3NC Slow action		
Thermal current $I_{th}$	A	10	
IEC/EN 60947-5-1 designation		A600 Q300	
Rated insulation voltage $U_i$	V	690	
Rated impulse withstand voltage $U_{imp}$	kV	6	
Insulation class		II	
Short-circuit protection with fuse	Class/A	10 gG/SC QUICK FUSE	

**Switching speed**

min	m/s	0.5
max	m/s	1.5

IEC Conventional free air thermal current $I_{th}$	A	10
Resistance per pole (average value)	m?	<10

**Mechanical features**

Operating head fixing	Locking bayonet insert		
Operating torque	Ncm	15	ozin 21.2

**Tightening torque (Max)**

Switch fixing	Nm	2.5
	lbin	22.1

Contact terminals	Nm	0.8
	lbin	7

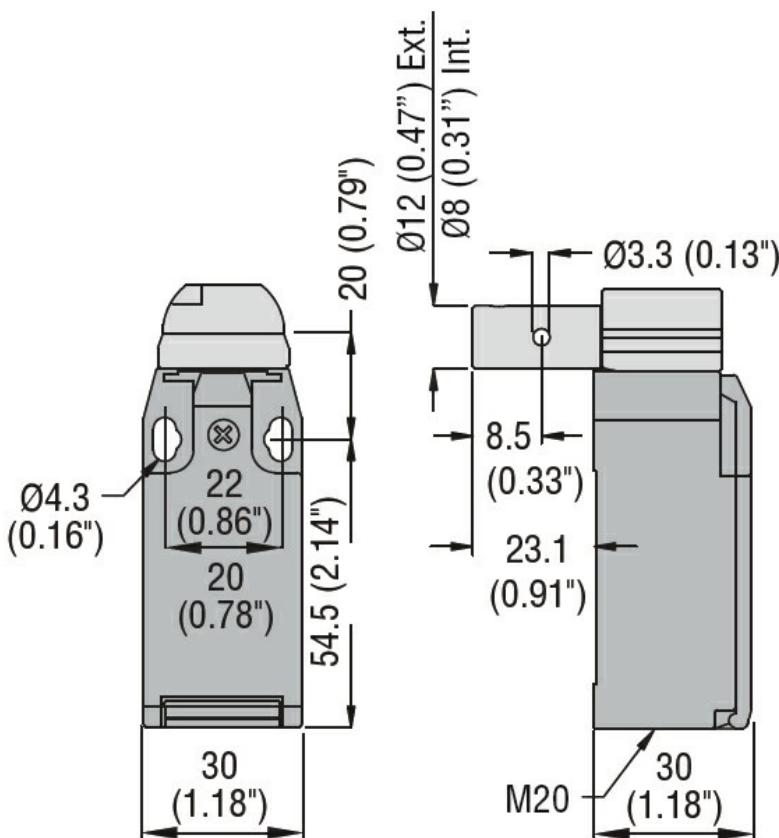
Body lid screw fixing	Nm	0.8
	lbin	7

**Conductor section**

AWG/Kcmil	min	16
	max	14

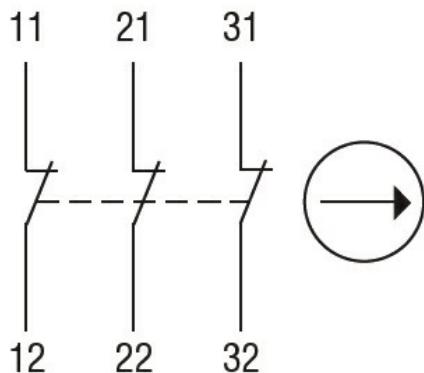
IEC	min	mm <sup>2</sup>	1 or 2
	max	mm <sup>2</sup>	2.5

Cable connection	Self-releasing screw terminal										
Cable entry	M20 on the bottom										
<b>Operations</b>											
Mechanical life	cycles 100000										
B10d	cycles 100000										
Mechanical operation	cycles/h 3600										
<b>Ambient conditions</b>											
Temperature	<table> <tr> <td>Operating temperature</td> <td>min</td> <td>°C</td> <td>-25</td> </tr> <tr> <td></td> <td>max</td> <td>°C</td> <td>+70</td> </tr> </table>			Operating temperature	min	°C	-25		max	°C	+70
Operating temperature	min	°C	-25								
	max	°C	+70								
Storage temperature	<table> <tr> <td>min</td> <td>°C</td> <td>-40</td> </tr> <tr> <td>max</td> <td>°C</td> <td>+70</td> </tr> </table>			min	°C	-40	max	°C	+70		
min	°C	-40									
max	°C	+70									
<b>Resistance &amp; Protection</b>											
IP degree	<table> <tr> <td>Terminals</td> <td>IP20</td> </tr> <tr> <td>Body housing</td> <td>IP65</td> </tr> </table>			Terminals	IP20	Body housing	IP65				
Terminals	IP20										
Body housing	IP65										
Pollution degree	3										
<b>Dimensions</b>											



**Wiring diagrams**

## Slow action



**3NC**

### Certifications and compliance

#### Compliance

CSA C22.2 n° 14

EN 50047

IEC/EN 60204-1

IEC/EN 60947-1

IEC/EN 60947-5-1

UL508

#### Certificates

CCC

cULus

EAC

### ETIM classification

ETIM 8.0

EC000030 - End  
switch