



Product designation

Hinge operating  
KNP

Product type designation

General characteristics

Material

Housing	Aluminium-zinc alloy
Rod	Long solid

Contact characteristics

Type of contact

1NO+1NC Slow action

Thermal current  $I_{th}$

A 10

IEC/EN 60947-5-1 designation

A300 Q300

Rated insulation voltage  $U_i$

V 440

Rated impulse withstand voltage  $U_{imp}$

kV 4

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

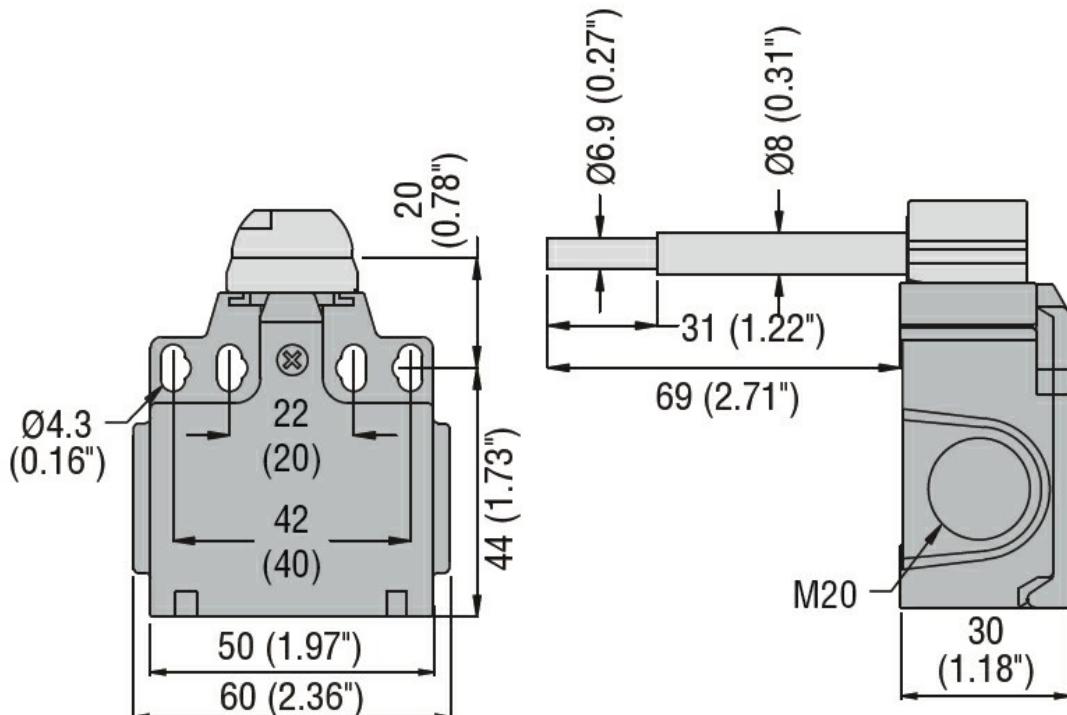
IEC

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

Cable connection

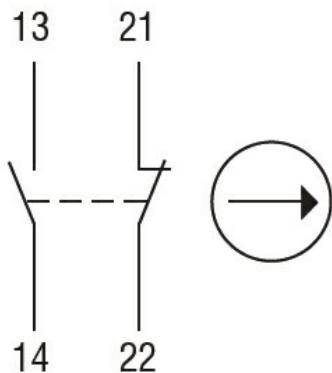
Self-releasing  
screw terminal

Cable entry	M20 on the sides										
<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	min	°C	-40								
	max	°C	+70								
<b>Resistance &amp; Protection</b>											
IP degree	Terminals	IP20									
	Body housing	IP65									
Pollution degree			3								
<b>Dimensions</b>											



**Wiring diagrams**

## Slow action



**1NO + 1NC**

### 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