



Product designation

Top push rod plunger
KNA

Product type designation

General characteristics

Material

Housing

Aluminium-zinc alloy

Rod

Aluminium-zinc alloy

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

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)

mΩ

<10

Mechanical features

Operating head fixing

Locking bayonet insert

Operating torque

N

5

lb

1.1

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

mm²

1or 2

| | | | |
|------------------|-----|-----------------|-------------------------------|
| | max | mm ² | 2.5 |
| Cable connection | | | Self-releasing screw terminal |
| Cable entry | | | M20 on the sides |

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

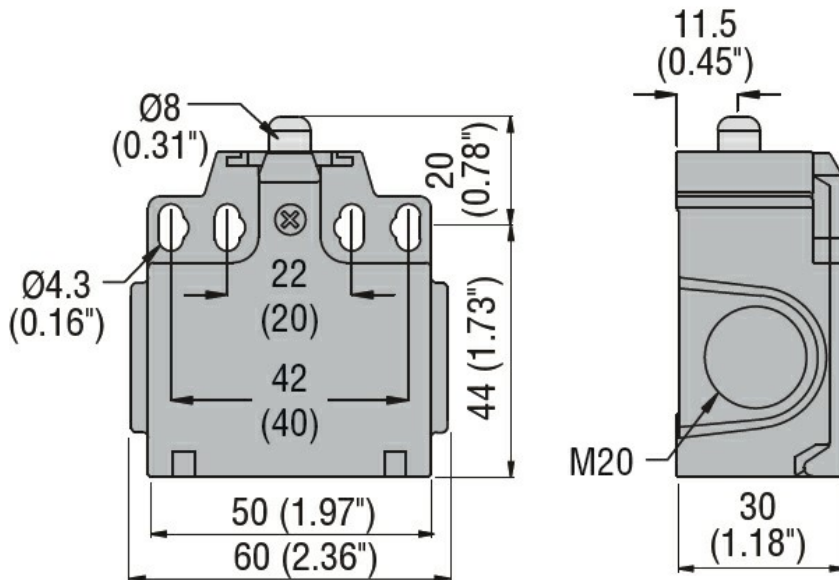
IP degree

| | |
|--------------|------|
| Terminals | IP20 |
| Body housing | IP65 |

Pollution degree

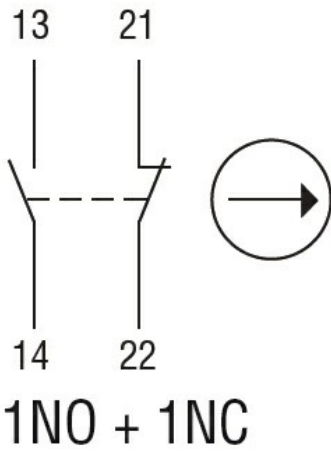
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Dimensions



Wiring diagrams

Slow action



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