



Top roller push plunger  
KNB

Product designation

Product type designation

**General characteristics**

Material

Housing	Aluminium-zinc alloy
Roller	Plastic

**Contact characteristics**

Type of contact		2NC Snap action
Thermal current I <sub>th</sub>	A	10
IEC/EN 60947-5-1 designation		A300 Q300
Rated insulation voltage U <sub>i</sub>	V	440
Rated impulse withstand voltage U <sub>imp</sub>	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 <sub>th</sub>	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	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

**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**

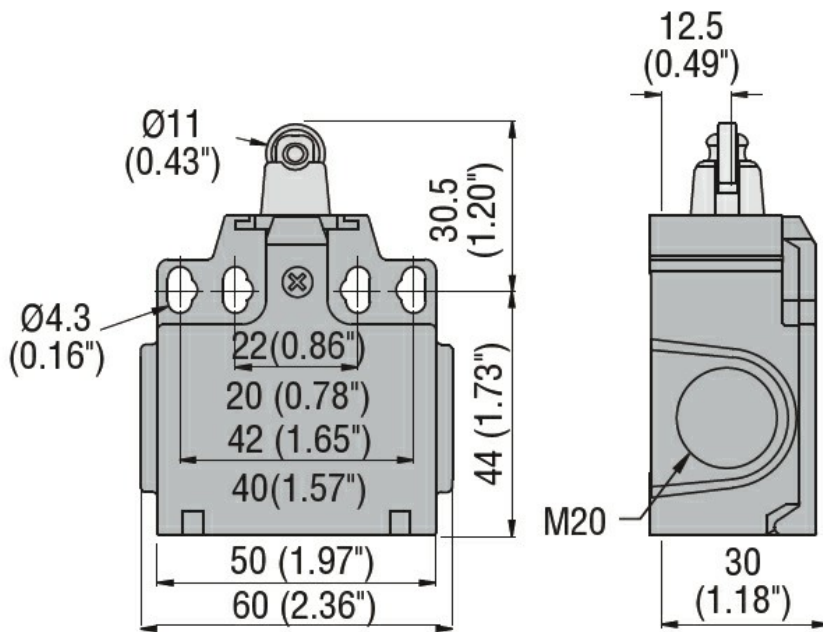
IP degree

Terminals IP20  
Body housing IP65

Pollution degree

3

**Dimensions**



**Wiring diagrams**

## Snap 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