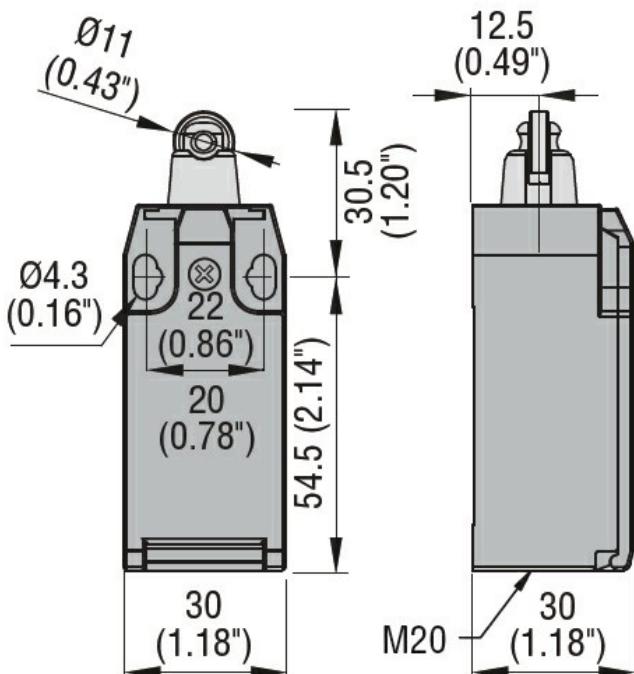




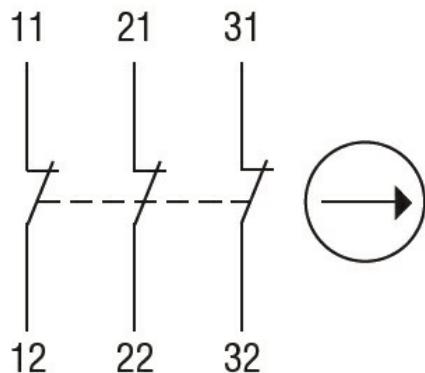
Product designation	Top roller push plunger KBB					
Product type designation	KBB					
<b>General characteristics</b>						
Material						
	Housing	Polymer thermoplastic				
	Roller	Plastic				
<b>Contact characteristics</b>						
Type of contact	3NC Slow action					
Thermal current $I_{th}$	A	10				
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				
<b>Mechanical features</b>						
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 bottom										
<b>Operations</b>											
Mechanical life	cycles <10000000										
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