

LIMIT SWITCH, K SERIES, TOP ROLLER PUSH PLUNGER, 1 BOTTOM CABLE ENTRY. DIMENSIONS TO EN 50047, PLASTIC BODY, CONTACTS 2NC SNAP ACTION. METAL ROLLER



Product designation

Top roller push plunger

Product type designation

KBB

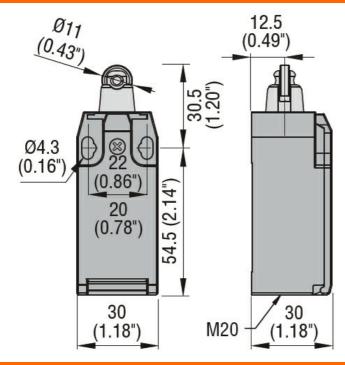
General characteristics

Material

Solitate characteristics	Material		Housing Roller		Polymer thermoplastic Metal
Type of contact	Contact characteristic	S	TYORCI		Wictai
Thermal current Ith					2NC Snap action
EC/EN 60947-5-1 designation Rated insulation voltage Ui V 690 Rated insulation voltage Uimp kV 6 Insulation class II Short-circuit protection with fuse Class/A 20UICK FUSE Switching speed min m/s 0.5 max m/s 1.5 EC Conventional free air thermal current Ith				Α	
Rated insulation voltage Uing V 690 Rated impulse withstand voltage Uimp kV 6 Insulation class II Short-circuit protection with fuse Class/A 10 gG/SC QUICK FUSE Switching speed min m/s m/s (0.5 max) m/		esignation			A600 Q600
Short-circuit protection with fuse Class/A Class/A				V	690
Short-circuit protection with fuse Class/A QUICK FUSE Switching speed min m/s				kV	6
Simple Current brotection with ruse Class/A QUICK FUSE Switching speed min m/s	Insulation class				II
EC Conventional free air thermal current Ith max m/s 1.5 EC Conventional free air thermal current Ith max m/s 1.5 Ec Conventional free air thermal current Ith max m/s 1.5 Ec Conventional free air thermal current Ith max m/s 1.0 Resistance per pole (average value) m Ω 1.0 Mechanical features	Short-circuit protection with fuse			Class/A	
EC Conventional free air thermal current Ith	Switching speed				
EC Conventional free air thermal current Ith Resistance per pole (average value) mΩ <10			min	m/s	0.5
Resistance per pole (average value) mΩ <10			max		
Mechanical features Operating head fixing Locking bayonet insert Operating torque N 5 Ib 1.1 Tightening torque (Max) Nm 2.5 Ibin 22.1 Contact terminals Nm 0.8 Body lid screw fixing Nm 0.8 Body lid screw fixing Nm 0.8 Conductor section AWG/Kcmil min 16 min 16 max 14 IEC min mm² 1 or 2					
Cocking bayonet insert Cocking bayonet insert				mΩ	<10
Insert I	Mechanical features				
N 5 1b 1.1	Operating head fixing				•
B	Operating torque				
Switch fixing Nm 2.5					
Switch fixing Nm 2.5				lb	1.1
Nm 2.5	Tightening torque (Ma	•			
Contact terminals		Switch fixing		N1	0.5
Contact terminals					
Nm 0.8 1bin 7		Contact terminals		IDIN	22.1
Body lid screw fixing		Contact terminals		Nm	Λ 8
Body lid screw fixing					
Nm 0.8		Body lid screw fixing		IDIII	<u>'</u>
Section AWG/Kcmil The section AWG/Kcmil The section The sect		Body na sorew name		Nm	0.8
AWG/Kcmil					
AWG/Kcmil min 16 max 14 IEC min mm² 1or 2	Conductor section				<u>. </u>
min 16 max 14 IEC min mm² 1or 2		AWG/Kcmil			
max			min		16
min mm² 1or 2					
		IEC			_
max mm² 2.5			min	mm²	1or 2
			max	mm²	2.5

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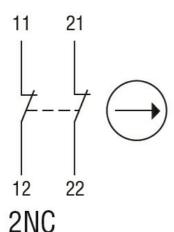
Cable connection				Self-releasing screw terminal
Cable entry				M20 on the bottom
Operations				
Mechanical life			cycles	<10000000
Mechanical operation			cycles/h	3600
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+70
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protection	on			
IP degree				
		Terminals		IP20
		Body housing		IP65
Pollution degree				3
Dimensions				



Wiring diagrams

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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