



## LIMIT SWITCH, K SERIES, TOP ROLLER PUSH PLUNGER, 2 SIDE CABLE ENTRY. DIMENSIONS COMPATIBLE TO EN 50047, METAL BODY, CONTACTS 2NO SLOW ACTION. PLASTIC ROLLER



Product designation	Top roller push plunger
Product type designation	KNB

General characteristics           Material         Housing Roller         Aluminium-zinc alloy	Product type designa				KNB
Plousing   Plousing	General characteristic	os en			
Politica   Politica   Politica   Politica   Politica	Material				
Roller   Plastic			Housing		Aluminium-zinc
Point and the process of the proc			Housing		alloy
Type of contact			Roller		Plastic
Thermal current lth	Contact characteristic	:s			
EC/EN 60947-5-1 designation   Rated insulation voltage Ui   V   V   V   V   V   V   V   V   V	Type of contact				2NO Slow action
Rated insulation voltage Ui Rated impulse withstand voltage Uimp	Thermal current Ith			Α	10
Rated insulation voltage Ui Rated impulse withstand voltage Uimp	IEC/EN 60947-5-1 de	esignation			A300 Q300
Rated impulse withstand voltage Uimp         kV         4           Short-circuit protection with fuse         class/A         10 gG/SC QUICK FUSE           Switching speed         min mn/s max         0.5 max           IEC Conventional free air thermal current lth         A 10           Resistance per pole (average value)         mΩ < 10				V	440
Short-circuit protection with fuse   Class/A   10 gG/SC QUICK FUSE		<u> </u>		kV	
Sinch content on protection with ruse   Silver Fuse   Switching speed   min m/s   m/s   0.5					
Switching speed	Short-circuit protection	n with fuse		Class/A	
Max   M/S   1.5     IEC Conventional free air thermal current lth	Switching speed				
EC Conventional free air thermal current Ith	omiog opood		min	m/s	0.5
EC Conventional free air thermal current lth Resistance per pole (average value)   mΩ   <10					
Resistance per pole (average value)   mΩ < 10	IFC Conventional free	air thermal current Ith	THEX.		
Mechanical features           Operating head fixing         Locking bayonet insert           Operating torque         N 5 1b 1.1           Tightening torque (Max)           Switch fixing           Nm 2.5 1bin 22.1           Contact terminals         Nm 0.8 1bin 7           Body lid screw fixing         Nm 0.8 1bin 7           Conductor section         Nm 0.8 1bin 7           Conductor section         min min 16 max 14           IEC         min mm² 10 or 2 max mm² 2.5           Cable connection         Self-releasing					
Cocking bayonet insert   Cocking bayonet insert		average value)		11122	<b>~10</b>
September   Sept					Locking bayonet
N   5   1b   1.1	Operating head fixing				
N   5   1.1	Operating torque				moore
But   1.1	Operating torque			N	5
Switch fixing   Nm   2.5					
Switch fixing	Tightoning torque (Ma	av)		10	1.1
Nm   2.5	rigilielling torque (ivia	•			
Contact terminals		Switch lixing		Nimo	0.5
Contact terminals					
Nm   0.8		Ocatantiani		IDIN	22.1
Body lid screw fixing		Contact terminals			
Body lid screw fixing   Nm   0.8     10in   7					
Nm   0.8				Ibin	1
AWG/Kcmil		Body lid screw fixing			
AWG/Kcmil     min   16   max   14					
AWG/Kcmil    min   16   max   14				lbin	7
min   16   max   14	Conductor section				
max   14		AWG/Kcmil			
TEC   min   mm²   1 or 2     max   mm²   2.5     Self-releasing			min		16
min mm² 1 or 2 max mm² 2.5  Cable connection Self-releasing			max		14
Cable connection max mm² 2.5  Self-releasing		IEC			
Cable connection Self-releasing			min	mm²	1or 2
Cane connection			max	mm²	2.5
Capie Connection	Cable connection				Self-releasing
screw terminal	Capie Confidention				screw terminal

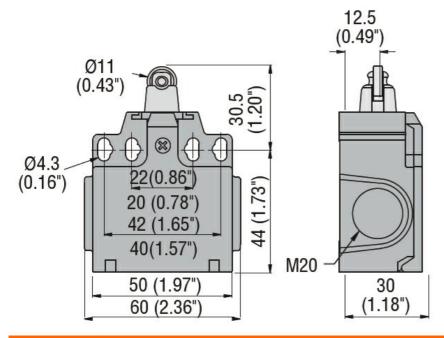


**ENERGY AND AUTOMATION** 

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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 & Protecti	on			
IP degree				
		Terminals		IP20
		Body housing		IP65
Pollution degree			•	3
Dimensions				



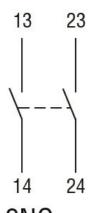
Wiring diagrams



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PLASTIC ROLLER

## 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