KNB1L11



LIMIT SWITCH, K SERIES, TOP ROLLER PUSH PLUNGER, 2 SIDE CABLE ENTRY. DIMENSIONS COMPATIBLE TO EN 50047, METAL BODY, CONTACTS 1NO+1NC SLOW ACTION. PLASTIC ROLLER



Top roller push plunger KNB

Product designation		
Product type designation		

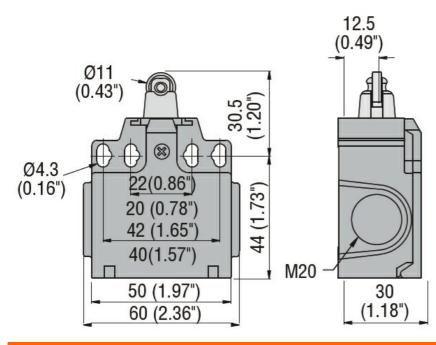
General characteristics

Housing Roller Aluminium-zinc alloy Plastic Contact characteristics Plastic Type of contact 1NO+1NC Slow action Thermal current lth A 10 IEC/EN 60947-5-1 designation A 10 Rated insulation voltage Ui V 440 Rated impulse withstand voltage Uimp kV 4 Short-circuit protection with fuse Class/A QUICK FUSE 10 gG/SC QUICK FUSE Switching speed min m/s 1.5 IEC Conventional free air thermal current Ith A 10 Resistance per pole (average value) mΩ <10 Mechanical features Locking bayonet insert Locking bayonet	Material				
Roller ainoy Roller Plastic Contact characteristics Type of contact 100-100-100-100-100-100-100-100-100-100			Housing		
Contact characteristics 1N0+1NC Slow action Type of contact 10 Thermal current lth A 10 IEC/EN 60947-5-1 designation A 300 Q300 Rated insulation voltage Uimp V 440 Rated insulation voltage Uimp KV 4 Short-circuit protection with fuse Class/A 10 gG/SC QUICK FUSE Switching speed min m/s 0.5 Switching speed max m/s 1.5 IEC Conventional free air thermal current lth A 10 Resistance per pole (average value) mQ <10			-		-
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Type of contact action Thermal current lth A 10 TEC/EN 60947-5-1 designation A300 Q300 Rated insulation voltage Ui V 440 Rated insulation voltage Uimp kV 4 Short-circuit protection with fuse Class/A 10 gG/SC QUICK FUSE Switching speed min m/s 0.5 Switching speed mix m/s 1.5 EEC Conventional free air thermal current lth A 10 Resistance per pole (average value) mΩ <10	Contact characteristics				
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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 lth A 10 Resistance per pole (average value) mΩ <10					
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IEC Conventional free air thermal current lth A 10 Resistance per pole (average value) mΩ <10 Mechanical features Operating head fixing Locking bayonet insert Operating torque Operating torque (Max) Switch fixing Nm 2.5 Ib 1.1 Tightening torque (Max) Switch fixing Nm 2.5 Ibin 22.1 Contact terminals Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil AWG/Kcmil IEC min mm² 1or 2			min		
Resistance per pole (average value) mΩ <10			max		
Mechanical features Locking bayonet insert Operating head fixing N 5 Operating torque N 5 Ib 1.1 1.1 Tightening torque (Max) Switch fixing Nm 2.5 Ibin 22.1 1bin 22.1 Contact terminals Nm 0.8 Ibin 7 1bin 7 Body lid screw fixing Nm 0.8 Ibin 7 10 nm Conductor section AWG/Kcmil min 16 IEC min 14					
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Tightening torque (Max) Switch fixing Switch fixing Nm 2.5 Ibin 22.1 Contact terminals Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil nin 16 Max 14 IEC min mm 10r 2					
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Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil 16 Min 16 IEC min 14		Contact terminals		NL.	
Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil min 16 max 14 IEC min mm² 1or 2					
Nm 0.8 Ibin 7 Conductor section AWG/Kcmil min 16 max 14 IEC min mm ² 1or 2		Rody lid scrow fixing		חוטו	1
Ibin 7 Conductor section AWG/Kcmil min 16 max 14 IEC min mm²		body ild Screw fixing		Nm	0.8
Conductor section AWG/Kcmil 					
AWG/Kcmil min 16 max 14 IEC min mm ² 1or 2	Conductor section				
min 16 max 14 IEC min mm² 1or 2		AWG/Kcmil			
max 14 IEC min mm² 1 or 2			min		16
IEC min mm ² 1or 2					
min mm ² 1or 2		IEC	-		
max mm² 2.5			min	mm²	1or 2
			max	mm²	2.5



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				Self-releasing
Cable connection				screw terminal
Cable entry				M20 on the sides
Operations				
Mechanical life			cycles	<1000000
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 & Protect	ion			
IP degree				
		Terminals		IP20
		Body housing		IP65
Pollution degree				3
Dimensions				



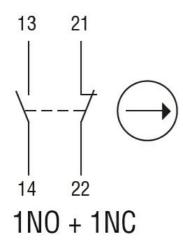
Wiring diagrams

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Slow action



Certifications and co	ompliance	
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

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