## ENERGY AND AUTOMATION

LIMIT SWITCH, K SERIES, WOBBLE STICK, OMNIDIRECTIONAL, 2 SIDE CABLE ENTRY. DIMENSIONS COMPATIBLE TO EN 50047, METAL BODY, CONTACTS 1NO+1NC SNAP ACTION. FLEXIBLE ROD



**KNM1S11** 

Product designation	Wobble stick, omnidirectional
Product type designation	KNM
General characteristics	
Material	

	Housing		Aluminium-zinc alloy
	Rod		Flexible
Contact characteristics			
Type of contact			1NO+1NC Snap action
Thermal current Ith		А	10
IEC/EN 60947-5-1 designation			A300 Q300
Rated insulation voltage Ui		V	440
Rated impulse withstand voltage Uimp		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 Ith		Α	10
Resistance per pole (average value)		mΩ	<10
Mechanical features			
Operating head fixing			Locking bayonet insert
Operating torque			
		Ncm	1
		ozin	1.42
Tightening torque (Max)			
Switch fixing			
		Nm	2.5
		lbin	22.1
Contact terminals		N.	
		Nm	0.8
Body lid screw fixing		lbin	7
Body lid screw lixing		Nm	0.8
		lbin	7
Conductor section			1
AWG/Kcmil			
	min		16
	max		14
IEC			
	min	mm²	1or 2
	max	mm²	2.5



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ENERGY AND AUTOMATION				ACTION	N. FLEXIBLE ROD
Cable connection					Self-releasing screw terminal
Cable entry					M20 on the sides
Operations					
Mechanical life				cycles	<1000000
Mechanical operation				cycles/h	3600
Ambient conditions					
Temperature					
	Operating temperature			°C	05
			min	°C ℃	-25 +70
	Storage temperature		max	C	+70
	Slorage lemperature		min	°C	-40
			max	°C	+70
Resistance & Protectio	n		Шах	Ŭ	170
IP degree					
			Terminals		IP20
			Body housing		IP65
Pollution degree			<u>,                                 </u>		3
Dimensions					
	140 (2:21,) (1.97") (2.36") (2.36")	M20 - 30 (1.18")			

## Wiring diagrams

KNM1S11

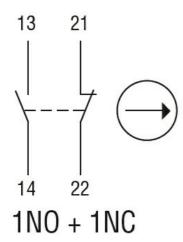
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## Snap action



Certifications and o	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	1	
		EC000030 - End

ETIM 8.0

EC000030 - End switch