KNF4L20



Material

LIMIT SWITCH, K SERIES, ADJUSTABLE ROLLER LEVER, 2 SIDE CABLE ENTRY. DIMENSIONS COMPATIBLE TO EN 50047, METAL BODY, CONTACTS 2NO SLOW ACTION. RUBBER ROLLER



Product designation	Adjustable roller lever
Product type designation	KNF
General characteristics	

Matonal		Housing		Aluminium-zinc alloy
		Roller		Rubber
Contact characteristics	6			
Type of contact				2NO Slow action
Thermal current Ith			А	10
IEC/EN 60947-5-1 des	signation			A300 Q300
Rated insulation voltage	je Ui		V	440
Rated impulse withsta	nd voltage Uimp		kV	4
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 Ith		А	10
Resistance per pole (a	average value)		mΩ	<10
Mechanical features				
Operating head fixing				Locking bayonet insert
Operating torque				
			Ncm	3
			ozin	4.25
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			10
		min		16
		max		14
	IEC		2	40
		min	mm²	1or 2
		max	mm²	2.5



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Cable connection Self-releasing screw terminal scre			
Cable entry M20 on the sides Operations Mechanical life Cycles < 1000000 Ambient conditions Temperature Operating temperature Operating temperature Mix °C +70 Storage temperature Mix °C +70 Resistance & Protection P degree Terminals IP20 Body housing IP65 Pollution degree 3 Dimensions 51.566.5 (2.02"2.61"	Cable connection		Self-releasing
Operations cycles <1000000 Mechanical inference on conditions cycles/h 3600 Ambient conditions cycles/h 3600 Temperature $cycles/h 3600 Mechanical operation cycles/h 3600 Ambient conditions cycles/h 3600 Temperature min °C -25 Max °C +70 Storage temperature min °C -40 max °C +70 Resistance & Protection IP20 Body housing IP20 Pollution degree 3 Omensions 3 Omensions 51.566.5 (2.02"2.61" 51.566.5 (2.02"2.61" $			screw terminal
Mechanical operation cycles <1000000 Mechanical operation cycles/h 3600 Ambient conditions min °C -25 Temperature min °C +70 Storage temperature min °C -40 max °C +70 Resistance & Protection Pollution degree Storage temperature Terminals IP20 Body housing IP65 Pollution degree Storage temperature			M20 on the sides
Mechanical operation cycles/h 3600 Ambient conditions Temperature Operating temperature Min °C -25 max °C +70 min °C -40 max °C +70 Resistance & Protection IP degree Terminals IP20 Body housing IP65 Pollution degree 3 Dimensions 51.566.5 (2.02"2.61" 51.566.5 (2.02"2.61" 050x10 0,078",010 0,078 0,078",010 0,078 0,0			
Ambient conditions Temperature Operating temperature max rcc storage temperature min *C rcc $rccc$ rcc <tr< td=""><td></td><td></td><td></td></tr<>			
Temperature Operating temperature min °C -25 max °C +70 Storage temperature min °C -40 max °C +70 Resistance & Protection IP degree IP20 Body housing IP65 Pollution degree 3 Dimensions		cycles/h	3600
Operating temperature min °C -25 max °C +70 Storage temperature min °C -40 max °C +70 Resistance & Protection reminals IP20 IP degree 3 IP65 Pollution degree 3 3 Dimensions 51.566.5 (2.02"2.61" 5 (550x10) (67 + 67 + 67 + 67 + 67 + 67 + 67 + 67 +			
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Storage temperature min °C -40 max °C +70 Resistance & Protection IP degree Terminals IP20 Body housing Pollution degree 3 Dimensions			
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Resistance & Protection IP degree Terminals IP20 Body housing IP65 Pollution degree 3 Dimensions 51.566.5 (2.02"2.61" 050x10 51.566.5 (2.02"2.61" 22(0.86") 20 (0.78") 22(0.86") 20 (0.78")			
IP degree Terminals IP20 Body housing IP65 Pollution degree 3 Dimensions 51.566.5 (2.02"2.61"		۰L	+70
Terminals IP20 IP65 Pollution degree 3 Dimensions 51.566.5 (2.02"2.61"			
Body housing IP65 Pollution degree 3 Dimensions 51.566.5 (2.02"2.61" 0 050x10 (1.97"x0.39") 92(0.86") 20 (0.78") 91.566.5 (2.02"2.61"	-		
Pollution degree 3 Dimensions 51.566.5 (2.02"2.61" 050x10 67.9 (1.97"x0.39") 921".8 22(0.86") 20 (0.78")			
Dimensions			
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Ø50x10 (1.97"x0.39") 22(0.86") 20 (0.78") Ø4.3	51.566.5 (2.02"2.61"		
22(0.86") 20 (0.78") Ø4.3			
	22(0.86") 20 (0.78") Ø4.3 (0.16") 42 (1.65") 42 (1.65") 50 (1.97") M20 30 (1.19")		
	60 (2.36")		
	60 (2.36")		

Wiring diagrams

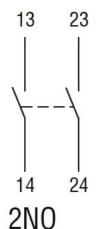
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ENERGY AND AUTOMATION

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Slow action



Certifications and con	npliance	
Compliance		
	CSA C22.2 n° 14	
	EN 50047	
	IEC/EN 60204-1	
	IEC/EN 60947-1	
	IEC/EN 60947-5-1	
	UL508	
Certificates		
	000	
	cULus	
	EAC	
ETIM classification		
ETIM 8.0		EC000030 - End switch

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