

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



KNF2L20

Product designation	Adjustable roller lever
Product type designation	KNF
General characteristics	
Material	

		Housing		Aluminium-zinc alloy
		Roller		Metal
Contact characteristi	cs			Weta
Type of contact				2NO Slow action
Thermal current Ith			А	10
IEC/EN 60947-5-1 d	esignation			A300 Q300
Rated insulation volta			V	440
Rated impulse withst	-		kV	4
Insulation class	<u> </u>			II
Short-circuit protection	on with fuse		Class/A	10 gG/SC QUICK FUSE
Switching speed				
		min	m/s	0.5
		max	m/s	1.5
IEC Conventional fre	e air thermal current Ith		А	10
Resistance per pole	(average value)		mΩ	<10
Mechanical features				
Operating head fixing)			Locking bayonet insert
Operating torque				
			Ncm	3
			ozin	4.25
Tightening torque (Ma	ax)			
	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
	IEC	max		14
	IEU	min	mm²	1or 2
		min		2.5
		max	mm²	2.0

KNF2L20



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

Cable connection Self-releasing screw terminal cable entry M20 on the sides of paralons screw terminal methods and the sides of the side o						
Cable entry Strew terminal Sofew terminal Sofew terminal Sofew terminal Sofew terminal Sofew terminal Mechanical life cycles/h 3600 Ambient conditions Temperature Operating temperature Min °C -25 max °C +70 Storage temperature min °C -40 max °C +70 Resistance & Protection IP degree Terminals IP20 Body housing IP65 Pollution degree 3 Dimensions 40 (1.57") 40 (1.57")	Cable connection					
Operations Mechanical life cycles <1000000 Ambient conditions cycles/h 3600 Temperature min °C -25 Storage temperature min °C -25 Storage temperature min °C -40 Resistance & Protection IP20 Body housing IP20 Pollution degree 3 IP20 Body housing IP20 Storage temperature Terminals IP20 IP20 Pollution degree 3 3 IP20 C0 (0, 66°) Q(1, 57°) 40 (1.57°) 40 (1.57°) Q4, 3 Q4, 3 Q4, 3 Q4, 3 Up (0, 157°) Q4, 3 Q4, 3 Q4, 3 Up (0, 157°) Up (0, 157°)						
Mechanical operation Mechanical operation Ambient conditions Temperature Operating temperature Min *C -25 max *C +70 Storage temperature min *C -40 max *C +70 Resistance & Protection IP degree Terminals IP20 Body housing IP65 Pollution degree 3 Dimensions 22(0.86*) 20(0.78*) 0(1.6*) 0(1.57*) 0(M20 on the sides
Mechanical operation Anhient conditions Temperature Operating temperature Min *C -25 max *C +70 Storage temperature min *C -40 max *C +70 Resistance & Protection IP degree Terminals IP20 Body housing IP65 Pollution degree 3 Dimensions 40 (1.57") 40 (1.57")						
Ambient conditions Temperature Operating temperature $ \begin{array}{ccccccccccccccccccccccccccccccccccc$						
Temperature $\begin{array}{cccccccccccccccccccccccccccccccccccc$		n			cycles/h	3600
Operating temperature $ \begin{array}{ccccccccccccccccccccccccccccccccccc$						
$\frac{\min \ C}{220(0.86^{\circ})} + \frac{1}{22}(0.86^{\circ})} + \frac{1}{12} + \frac{1}{$	Temperature					
$\begin{tabular}{ c c c c c c } \hline max & \begin{tabular}{c c c c c c } \hline min & \begin{tabular}{c c c c c c c } \hline min & \begin{tabular}{c c c c c c c } \hline min & \begin{tabular}{c c c c c c c c } \hline reminals & \begin{tabular}{c c c c c c c c } \hline reminals & \begin{tabular}{c c c c c c c c } \hline reminals & \begin{tabular}{c c c c c c c } \hline reminals & \begin{tabular}{c c c c c c c c } \hline reminals & \begin{tabular}{c c c c c c c c } \hline reminals & \begin{tabular}{c c c c c c c c } \hline reminals & \begin{tabular}{c c c c c c c c } \hline reminals & \begin{tabular}{c c c c c c c c } \hline reminals & \begin{tabular}{c c c c c c c c c c } \hline reminals & \begin{tabular}{c c c c c c c c c c c c c c c c c c c $		Operating temperat	ture			
Storage temperature min $C = -40$ max $C = +70$ Resistance & Protection IP degree Pollution degree Dimensions 40 (1.57") 40 (1.57") 40 (1.57") 40 (1.57") 41 (1.57"				min		
$\frac{\text{min}}{\text{max}} \circ C -40 \\ \text{max}} \circ C +70 \\ \text{Resistance & Protection} \\ \text{IP degree} \\ \hline \text{Terminals} & \text{IP20} \\ \text{Body housing} & \text{IP65} \\ \hline \text{Pollution degree} & 3 \\ \hline \text{Dimensions} \\ \hline \begin{array}{c} 40 (1.57^{\circ}) \\ 0 (0.78^{\circ}) \\ 0 (1.57^{\circ}) \\ $				max	°C	+70
resistance & Protection IP degree Terminals IP20 Body housing IP65 Pollution degree 3 Dimensions 40 (1.57") 40 (1.57")		Storage temperatur	re			
Resistance & Protection IP degree Terminals IP20 Body housing IP65 Pollution degree 3 Dimensions 40 (1.57") 40 (1.57"				min		-40
IP degree Terminals (IP20) (IP65) Pollution degree 3 Dimensions 40 (1.57") 22(0.86") (0.78") (0.16") 04.3 (0.16") (1.57") 42 (1.55") (1.57")				max	°C	+70
Terminals IP20 IP65 Pollution degree 3 Dimensions 40 (1.57") 22(0.86") 00.078") 04.3 (0.16") 42 (1.65") 142 (1.65")	Resistance & Protect	ction				
Terminals IP20 IP65 Pollution degree 3 Dimensions 40 (1.57") 22(0.86") 00.078") 04.3 (0.16") 42 (1.65") 142 (1.65")	IP degree					
Body housing IP65 Pollution degree 3 Dimensions 40 (1.57") 22(0.86") 0(1.57") 04.3 (0.16") (0.16") (1.57")	-			Terminals		IP20
Pollution degree 3 Dimensions 40 (1.57") 22(0.86") (0.16") 22(0.86") (0.16") 04.3 (0.16") 42 (4.65") (1.57")				Body housing		
Dimensions	Pollution degree			, , , , , , , , , , , , , , , , , , , ,		
22(0.86") 20 (0.78") 04.3 (0.16") 42 (465" 40 (1.57") 42 (465" 40 (1.57")						5
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	20 (0.78")	42 (1.65") 40(1.57")	_			
	-	60 (2.36")				

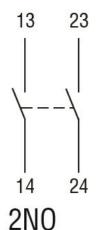
Wiring diagrams

KNF2L20



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

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

KNF2L20