

LIMIT SWITCH, K SERIES, ADJUSTABLE ROLLER LEVER, 2 SIDE CABLE ENTRY. DIMENSIONS COMPATIBLE TO EN 50047, METAL BODY, CONTACTS 1NO+1NC SNAP ACTION. RUBBER ROLLER



KNF3S11

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

M	ate	ria	
111	alt	110	

Roller Rubber Contact characteristics INO+1NC Snap action Type of contact NO+1NC Snap action A 10 Thermal current lth A 10 A 300 0300 Rated insulation voltage Ui V 440 A A 10 Rated insulation voltage Ui V 440 A A 10 gG/SC Short-circuit protection with fuse Class/A 10 gG/SC QUICK FUSE A 10 Switching speed min m/s 0.5 A 10 A 10 Resistance per pole (average value) mQ <10 A 10 A 20 A 2			Housing		Aluminium-zinc alloy
Contact characteristics INO+1NC Snap action Type of contact 1NO+1NC Snap action Thermal current lth A 10 IEC/EN 60947-5-1 designation A300 Q300 Rated insulation voltage Uimp V 440 Rated insulation voltage Uimp KV 4 Insulation class II 10 Short-circuit protection with fuse Class/A 10 gG/SC QUICK FUSE Switching speed min m/s 1.5 IEC Conventional free air thermal current lth A 10 0 Mechanical features ucking bayonet insert 0 Operating head fixing Locking bayonet insert 10.25 Tightening torque (Max) Switch fixing Mm 3.25 Tightening torque (Max) Switch fixing Nm 2.5 Ibin 7 Eoching bayonet insert 10 Operating torque (Max) Switch fixing Nm 2.5 Elsin 2.2.1 Contact terminals Nm 0.8 Ibin 7 Eoching			Roller		•
Type of contact action Thermal current lth A 10 EC/EN 60947-5-1 designation A300 Q300 Rated insulation voltage Ui V 440 Rated insulation voltage Ui V 440 Rated insulation voltage Ui V 440 Insulation class II II Short-circuit protection with fuse Class/A 10 gG/SC QUICK FUSE Switching speed min <m s<="" td=""> 0.5 max m/s 1.5 IEC Conventional free air thermal current lth A 10 Resistance per pole (average value) mΩ <10</m>	Contact characteristics				
IEC/EN 60947-5-1 designation A300 Q300 Rated insulation voltage Ui Rated insulation voltage Ui Rated insulation voltage Uimp Rated insulation voltage V Rated I	Type of contact				
Rated insulation voltage Ui V 440 Rated impulse withstand voltage Uimp kV 4 Insulation class II 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 lth A 10 Resistance per pole (average value) mΩ <10	Thermal current Ith			А	10
Rated impulse withstand 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 lth A 10 Resistance per pole (average value) mΩ <10	IEC/EN 60947-5-1 desig	gnation			A300 Q300
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 A 10 Resistance per pole (average value) mΩ <10 Mechanical features Operating head fixing Locking bayonet insert Operating 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 IEC min mm² 1or 2	Rated insulation voltage	Ui		V	440
Short-circuit protection with fuse Class/A 10 gG/SC QUICK FUSE Switching speed min max m/s 0.5 max IEC Conventional free air thermal current lth A 10 Resistance per pole (average value) mΩ <10	Rated impulse withstand	l voltage Uimp		kV	4
Since clicult protection with ruse class/A 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 Mechanical features Operating head fixing Operating torque Operating torque Norm 3 ozin 4.25 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 Min 16 max 14 IEC min mm² 1or 2	Insulation class				II
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	Short-circuit protection w	vith fuse		Class/A	
max m/s 1.5 IEC Conventional free air thermal current lth A 10 Resistance per pole (average value) mQ <10	Switching speed				
IEC Conventional free air thermal current lth A 10 Resistance per pole (average value) mΩ <10			min	m/s	0.5
Resistance per pole (average value) mΩ <10			max		
Mechanical features Locking bayonet insert Operating head fixing Locking bayonet insert Operating torque Ncm 3 Tightening torque (Max) Switch fixing Nm 2.5 Ibin 22.1 Ibin 22.1 Contact terminals Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section Nm 16 AWG/Kcmil min 16 max 14 IEC min min 10 r 2					
Operating head fixing Locking bayonet insert Operating torque Nom 3 ozin 3 ozin Tightening torque (Max) Switch fixing Nm 2.5 Ibin 22.1 Ibin 22.1 Contact terminals Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil in 16 in 14 IEC min min 14		erage value)		mΩ	<10
Operating head fixing insert Operating torque Ncm 3 Operating torque (Max) Switch fixing Nm 2.5 Tightening torque (Max) Nm 2.5 1bin 22.1 Contact terminals Nm 0.8 1bin 7 Body lid screw fixing Nm 0.8 1bin 7 Conductor section AWG/Kcmil min 16 IEC min mm 10r 2	Mechanical features				
Ncm 3 Tightening torque (Max) Switch fixing Nm 2.5 Ibin 22.1 Ibin 22.1 Contact terminals Nm 0.8 Ibin 7 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Ibin 7 Conductor section AWG/Kcmil min 16 IEC min mm² 14	Operating head fixing				
Tightening torque (Max) Switch fixing Nm 2.5 Ibin 22.1 Ibin 22.1 Contact terminals Nm 0.8 Ibin 7 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Ibin 7 Conductor section AWG/Kcmil Information 16 IEC min 14	Operating torque				
Tightening torque (Max) Switch fixing Nm 2.5 Ibin 22.1 Ibin 22.1 Contact terminals Nm 0.8 Ibin 7 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Ibin 7 Conductor section AWG/Kcmil Information 16 IEC min 14				Ncm	
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 min 16 max 14 IEC min mm² 1 or 2				ozin	4.25
Nm 2.5 Ibin 22.1 Contact terminals Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section Nm 0.8 AWG/Kcmil min 7 IEC min 16 min 14					
Ibin 22.1 Contact terminals Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section Nm 0.8 AWG/Kcmil min 7 IEC min 16 min 14		Switch fixing			
Contact terminals Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil Ibin AWG/Kcmil min 16 IEC min 14					
Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section NMG/Kcmil 7 AWG/Kcmil 16 IEC 14 IEC 10 2				lbin	22.1
Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil 16 IEC min 14 IEC min 10 2		Contact terminals			
Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil ibin AWG/Kcmil min 16 IEC min 14 IEC min mm²					
Nm 0.8 Ibin 7 Conductor section AWG/Kcmil min 16 max 14 IEC min mm² min mm² 1 or 2				lbin	7
Ibin 7 Conductor section AWG/Kcmil I		Body lid screw fixing			
Conductor section AWG/Kcmil min 16					
AWG/Kcmil min 16 max 14 IEC min mm ² 1or 2				IDIN	1
min 16 max 14 IEC min mm²					
max 14 IEC min mm² 1 or 2					16
IEC min mm ² 1or 2					
min mm ² 1or 2		IEC	XBITI		14
			min	mm²	1or 2
			max	mm²	2.5

KNF3S11

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



LIMIT SWITCH, K SERIES, ADJUSTABLE ROLLER LEVER, 2 SIDE CABLE ENTRY. DIMENSIONS COMPATIBLE TO EN 50047, METAL BODY, CONTACTS 1NO+1NC SNAP ACTION. RUBBER ROLLER

KNF3S11

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			
	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			
	10 E (1 67")		
	42.5 (1.67")		
Ø50x10 (1.97"x0.39") 22(0.86") 20 (0.78") Ø4.3 (0.16") 42 (1.65") 42 (1.65") 42 (1.65") 42 (1.65") 42 (1.65") 42 (1.67")	M20 - 30 (1.18")		

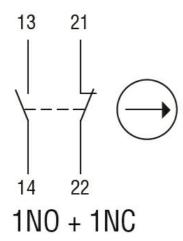
Wiring diagrams

KNF3S11



LIMIT SWITCH, K SERIES, ADJUSTABLE ROLLER LEVER, 2 SIDE CABLE ENTRY. DIMENSIONS COMPATIBLE TO EN 50047, METAL BODY, CONTACTS 1NO+1NC SNAP ACTION. RUBBER ROLLER

Snap 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		
	202	
	cULus	
	EAC	
ETIM classification		
		EC000030 - End

ETIM 8.0

EC000030 - End switch

KNF3S11