

LIMIT SWITCH, K SERIES, ROLLER LEVER PLUNGER, 1 BOTTOM CABLE ENTRY. DIMENSIONS TO EN 50047, PLASTIC BODY, CONTACTS 1NO+1NC SNAP ACTION. PLASTIC ROLLER



KBE1S11

Product designation	Roller lever plunger
Product type designation	KBE
General characteristics	
Material	

Roller Plastic Contact characteristics INO+1NC Snap action Type of contact 10 Thermal current lth A IEC/EN 60947-5-1 designation A600 0600 Rated insulation voltage Ui V Rated insulation voltage Uimp kV Insulation class II Short-circuit protection with fuse Class/A 10 gG/SC OUICK FUSE Switching speed min m/s 0.5 IEC Conventional free air thermal current Ith A 10 Resistance per pole (average value) mΩ <10 Mechanical features Ucoking bayonet insert Operating head fixing Locking bayonet insert Operating torque Ncm 3 ozin 4.25 Tightening torque (Max) Switch fixing Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil 16 max max 14			Housing		Polymer thermoplastic
Type of contact 1NO+1NC Snap action Thermal current lth A 10 IEC/EN 60947-5-1 designation A 600 Q600 Rated insulation voltage Ui V 690 Rated insulation voltage Uimp kV 6 Insulation class II 10 gG/SC QUICK FUSE Switching speed min m/s 0.5 mix m/s 0.5 1.5 IEC Conventional free air thermal current Ith A 10 0 Resistance per pole (average value) mΩ <10			Roller		Plastic
Type of contact action Thermal current lth A 10 EC/EN 60947-5-1 designation A600 0600 Rated insulation voltage Ui V 690 Rated insulation voltage Ui V 690 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 A600 Q600 Rated insulation voltage Ui V 690 Rated insulation voltage Uimp kV 6 Insulation class II 10 Short-circuit protection with fuse Class/A 10 gG/SC QUICK FUSE Switching speed min m/s 0.5 max m/s 1.5 15 IEC Conventional free air thermal current lth A 10 Resistance per pole (average value) mΩ <10	Type of contact				
Rated insulation voltage Ui V 690 Rated impulse withstand voltage Uimp kV 6 Insulation class II 10 gG/SC QUICK FUSE Switching speed min m/s 0.5 min m/s 0.5 0.5 IEC Conventional free air thermal current lth A 10 0 Restance per pole (average value) mΩ <10	Thermal current Ith			А	10
Rated impulse withstand voltage Uimp kV 6 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 des	ignation			A600 Q600
Insulation class II Short-circuit protection with fuse Class/A 10 gG/SC QUICK FUSE Switching speed min m/s 0.5 Beck conventional free air thermal current lth A 10 Resistance per pole (average value) mQ <10	Rated insulation voltage	e Ui		V	690
Short-circuit protection with fuse Class/A 10 gG/SC QUICK FUSE Switching speed min mx m/s 0.5 max IEC Conventional free air thermal current lth A 10 Resistance per pole (average value) mQ <10	Rated impulse withstan	d voltage Uimp		kV	6
Since click protection with ruse 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 Ncm 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				<u> </u>
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	with fuse		Class/A	
max m/s 1.5 IEC Conventional free air thermal current lth A 10 Resistance per pole (average value) mΩ <10	Switching speed				
IEC Conventional free air thermal current lth A 10 Resistance per pole (average value) mΩ <10			min	m/s	
Resistance per pole (average value) mΩ <10			max	m/s	
Mechanical features Locking bayonet insert Operating head fixing Locking bayonet insert Operating torque Ncm 3 Tightening torque (Max) Switch fixing Nrm 2.5 Libin 22.1 Ibin 22.1 Contact terminals Nrm 0.8 Ibin 7 Body lid screw fixing Nrm 0.8 Ibin 7 Conductor section Nrm 16 AWG/Kcmil min 16 max 14 IEC min min mm 10r 2					
Operating head fixing Locking bayonet insert Operating torque Ncm 3 Operating torque (Max) 0/200 4.25 Tightening torque (Max) Switch fixing Nm 2.5 Ibin 22.1 100 22.1 Contact terminals Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil nin IEC nin 16 min min 14		verage value)		mΩ	<10
Operating head fixing insert Operating torque Ncm 3 ozin 4.25 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 min IEC min 16 min min 14	Mechanical features				
Ncm 3 Tightening torque (Max) Switch fixing Switch fixing Nm 2.5 Ibin Ibin 22.1 Contact terminals Nm Body lid screw fixing Nm Body lid screw fixing Nm Mm 0.8 Ibin 7 Conductor section Nm AWG/Kcmil min IEC min 16 min 14	Operating head fixing				
Image: state of the system ozin 4.25 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 Integration 16 IEC min mmm² 14	Operating torque				
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 IEC min 14 IEC min mm 1 or 2				Ncm	3
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 AWG/Kcmil 16 IEC min 14 IEC min mm² Min 10r 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 16 Max 14 IEC min mm²	Tightening torque (Max)			
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 16 max 14 IEC min mm² min 1or 2		Switch fixing			
Contact terminals Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil 16 min 14 IEC min 10 2					
Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section Nm 0.8 AWG/Kcmil nin 7 IEC nin 10 nin nm² 10 r 2				lbin	22.1
Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil 16 Min 16 IEC 14		Contact terminals			
Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil I AWG/Kcmil 16 IEC 14 IEC 10r 2					
Nm 0.8 Ibin 7 Conductor section AWG/Kcmil				lbin	7
Ibin 7 Conductor section AWG/Kcmil 16 min 16 14 IEC min 14		Body lid screw fixing			
Conductor section AWG/Kcmil min 16 max 14 IEC min mm²					
AWG/Kcmil min 16 max 14 IEC min mm ² 1 or 2	Conductor contion			niai	1
min 16 max 14 IEC min mm ² 1or 2	Conductor section				
max 14 IEC min mm² 1 or 2		AVVG/RCIIII	min		16
IEC min mm ² 1or 2					
min mm² 1or 2		IEC	IIIdA		17
			min	mm²	1or 2

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



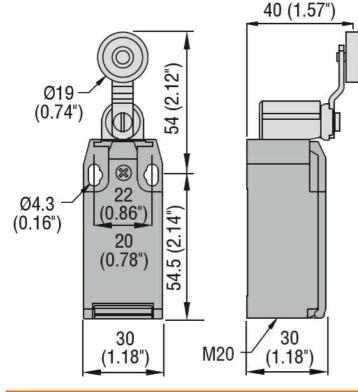
LIMIT SWITCH, K SERIES, ROLLER LEVER PLUNGER, 1 BOTTOM CABLE ENTRY. CONTACTS 1NO+1NC SNAP ACTION. PLASTIC ROLLER

electric	DIMENSIONS	TO EN 50047, F	PLASTIC BODY, C
ENERGY AND AUTOMATION			

			Self-releasing
Cable connection			screw terminal
Cable entry			M20 on the
·			bottom
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

Dimensions



Wiring diagrams

KBE1S11

2/3

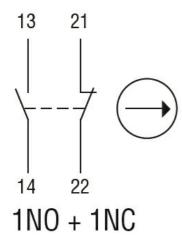
KBE1S11

3



LIMIT SWITCH, K SERIES, ROLLER LEVER PLUNGER, 1 BOTTOM CABLE ENTRY. DIMENSIONS TO EN 50047, PLASTIC BODY, CONTACTS 1NO+1NC SNAP ACTION. PLASTIC ROLLER

Snap action



Certifications and c	compliance	
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

KBE1S11