ENERGY AND AUTOMATION

LIMIT SWITCH, K SERIES, TOP PUSH ROD PLUNGER, 1 BOTTOM CABLE ENTRY. DIMENSIONS TO EN 50047, PLASTIC BODY, CONTACTS 2NC SLOW ACTION. METAL PLUNGER



KBA1L02

Product type designation KBA General characteristics Housing Polymer thermoplastic alloy Rod Aluminium-zinc alloy Aluminium-zinc alloy Contact characteristics 2NC Slow action Aluminium-zinc alloy Type of contact 2NC Slow action Aluminium-zinc alloy IEC/EN 60947-5-1 designation A 600 Q600 Rated insulation voltage Ui V 690 Rated insulation voltage Ui V 690 Rated insulation class II Short-circuit protection with fuse Class/A 10 gG/SC QUICK FUSE QUICK FUSE Switching speed min m/s 0.5 Mechanical features U <10 Resistance per pole (average value) Operating torque ND <10 Mechanical features Locking bayonet insert Operating torque N 5 In gody lid screw fixing Nm 0.8 Switch fixing Nm 0.8 Conductor section AWG/Kcmil min min IEC min 16 IEC min 16	Product designation				Top push rod plunger
Material Housing Rod Polymer thermoplastic Aluminium-zinc alloy Contact characteristics 2NC Slow action Thermal current lth IEC/EN 60947-5-1 designation A 10 IEC/EN 60947-5-1 designation A 600 Q600 Rated insulation voltage Ui V 690 Rated insulation voltage Ui V 690 Rated insulation class II II Short-circuit protection with fuse Class/A 10 gG/SC QUICK FUSE Switching speed min m/s 0.5 Machinal free air thermal current lth A 10 Resistance per pole (average value) mQ <10	Product type designation	on			
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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 Switching speed min m/s 1.5 IEC Conventional free air thermal current lth A 10 Resistance per pole (average value) mΩ <10					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				V	690
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				kV	6
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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 N 5 Operating torque N 5 Ib 1.1 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 min 101					
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Operating head fixing insert Operating torque N 5 Ib 1.1 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 0.8 AWG/Kcmil min 16 max 14 IEC min min 10 f 2	Mechanical features				
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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				lb	1.1
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 16 max 14 IEC min mm²	Tightening torque (Max)				
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Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil 16 min 16 IEC 14		Contact terminals			
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Ibin 7 Conductor section AWG/Kcmil I		body lid screw lixing		Nm	0.8
Conductor section AWG/Kcmil min 16 max 14 IEC min mm²					
AWG/Kcmil min 16 max 14 IEC min mm ² 1or 2	Conductor section				,
min 16 max 14 IEC min mm ² 1 or 2		AWG/Kcmil			
IEC min mm² 1or 2			min		16
IEC min mm ² 1or 2					
min mm ² 1or 2		IEC			
max mm ² 2.5			min	mm²	1or 2
			max	mm²	2.5

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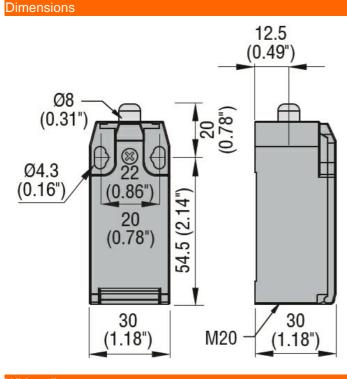
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



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Cable connection				Self-releasing 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 te	mperature			
		min	°C	-40
		max	°C	+70
Resistance & Protection				
P degree				
		Terminals		IP20
		Body housing		IP65
Pollution degree				3



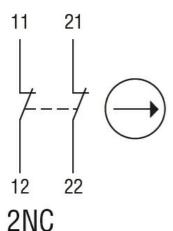
Wiring diagrams

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LIMIT SWITCH, K SERIES, TOP PUSH ROD PLUNGER, 1 BOTTOM CABLE ENTRY. DIMENSIONS TO EN 50047, PLASTIC BODY, CONTACTS 2NC SLOW ACTION. METAL PLUNGER

Slow action



Certifications and compliance Compliance CSA C22.2 n° 14 EN 50047 EC/EN 60204-1 IEC/EN 60947-1 IEC/EN 60947-1 IEC/EN 60947-5-1 UL508 Certificates CCC CULus EAC ETIM classification EC000030 - End

ETIM 8.0

EC000030 - End switch