

KBL1D02 LIMIT SWITCH, K SERIES, ADJUSTABLE ROLLER LEVER, 1 BOTTOM CABLE ENTRY. DIMENSIONS TO EN 50047, PLASTIC BODY, CONTACTS 2NC INDEPENDENT. PLASTIC ROD



Product type designation KBL General characteristics Material Housing Polymer thermoplastic Rod Aluminium.zinc alloy Contact characteristics Type of contact Type of contact Thermal current lth A 10 EC/EN 60947-5-1 designation Rated insulation voltage Ui A 4600 Q600 Rated insulation voltage Ui KV 6 Rated insulation voltage Ui KV 6 Switching speed Tise Conventional free air thermal current Ith A 10 Resistance per pole (average value) Mechanical features Deperating head fixing Diperating torque Nem 3 ozin 4.25 Tightening torque (Max) Switch fixing Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7					
General characteristics Material Housing Rod Polymer thermoplastic Aluminium-zinc alloy Contact characteristics Rod alloy Type of contact 2NC Indipendent thermal current lth A 10 Contact insulation A 500 Q600 Rated insulation voltage Ui V 690 Rated insulation class II 10 G/SC QUICK FUSE QUICK FUSE Switching speed Insulation class II 10 G/SC QUICK FUSE Switching speed min m/s 0.5 EC Conventional free air thermal current lth A 10 Resistance per pole (average value) mQ <10	Product designation				
Material Housing Housing Polymer thermoplastic Aluminium-zinc allow Contact characteristics 2NC Indipendent Thermal current Ith A 10 EC/EN 60947-5-1 designation A600 Q600 A 6 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 Switching speed max m/s 1.5 EC Conventional free air thermal current Ith A 10 0 Resistance per pole (average value) mΩ <10	Product type designat	ion			KBL
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Rated impulse withstand voltage Uimp kV 6 Insulation class II 10 gG/SC QUICK FUSE Short-circuit protection with fuse Class/A 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) mQ<<10	IEC/EN 60947-5-1 de	signation			A600 Q600
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Switching speed min m/s 0.5 max m/s 1.5 EC Conventional free air thermal current lth A 10 Resistance per pole (average value) mQ <10	Insulation class				
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Resistance per pole (average value) mΩ <10			max	m/s	1.5
Mechanical features Locking bayonel insert Operating head fixing Ncm 3 ozin 4.25 Tightening torque (Max) Switch fixing Switch fixing Nm 2.5 Ibin 22.1 Ibin 22.1 Contact terminals Nm 0.8 Ibin 7 Body lid screw fixing Nrm 0.8 Ibin 7 Body lid screw fixing Nm 16 Ibin 7 Ibin 7 Conductor section AWG/Kcmil IEC min mm² 1or 2	IEC Conventional free air thermal current Ith			Α	
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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 14				Ncm	3
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Ibin 7 Conductor section AWG/Kcmil min 16 max 14 IEC min mm		Body lid screw fixing			
Conductor section AWG/Kcmil min 16					
AWG/Kcmil min 16 max 14 IEC min mm ² 1 or 2				lbin	7
min 16 max 14 IEC min mm ² 1or 2	Conductor section				
max 14 IEC min mm² 1 or 2		AWG/Kcmil			
IEC min mm ² 1or 2			min		
min mm ² 1or 2			max		14
		IEC			
max mm ² 2.5			min		
			max	mm²	2.5

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

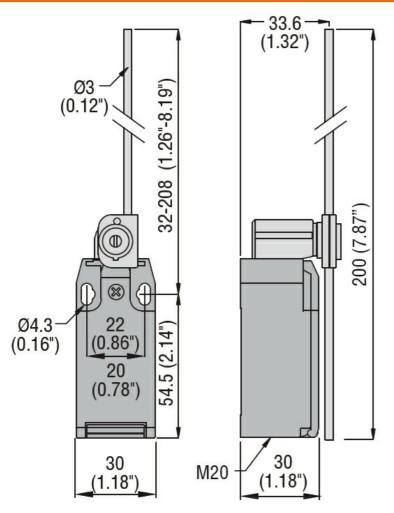


ENERGY AND AUTOMATION

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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 temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protect	ion			
IP degree				
		Terminals		IP20
		Body housing		IP65
Pollution degree				3

Dimensions

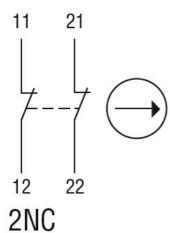


Wiring diagrams



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Snap 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		
	CCC	
	cULus	
	EAC	
ETIM classification		
ETIM 8.0		EC000030 - End switch