

Material

LIMIT SWITCH, K SERIES, ROLLER LEVER PLUNGER, 1 BOTTOM CABLE ENTRY. DIMENSIONS TO EN 50047, PLASTIC BODY, CONTACTS 3NC SLOW ACTION. RUBBER ROLLER



KBE3L03

Product designation	Roller lever plunger
Product type designation	KBE
General characteristics	

Roller Rubber Contact characteristics SNC Slow action Type of contact A 10 Thermal current lth A 10 IEC/EN 60947-5-1 designation A 6800 Q600 Rated insulation voltage Uimp V 690 Rated insulation voltage Uimp KV 6 Insulation class II Short-circuit protection with fuse Class/A 10 gG/SC QUICK FUSE 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) mQ<<10 Mechanical features Insert Operating head fixing Locking bayonet insert Insert Insert Operating torque Nm 3.25 Ibin 7 Tightening torque (Max) Switch fixing Nm 2.5 Ibin 7 Conductor section AWG/Kcmil Imin 16 min 16 IEC min min 16 min			Housing		Polymer thermoplastic
Contact characteristics 3NC Slow action Type of contact A 10 Thermal current lth A 10 EC/EN 60947-5-1 designation A600 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 Withing speed min m/s 1.5 IEC Conventional free air thermal current lth A 10 Resistance per pole (average value) mΩ <10			Roller		
Thermal current lth A 10 IEC/EN 60947-5-1 designation A600 Q600 Rated insulation voltage Ui V 690 Rated insulation voltage Uimp KV 6 Insulation class II 10 gG/SC Switching speed Class/A QUICK FUSE Switching speed min m/s 1.5 IEC Conventional free air thermal current lth A 10 Resistance per pole (average value) mQ <10	Contact characteristics	6			
Thermal current lth A 10 IEC/EN 60947-5-1 designation A600 Q600 Rated insulation voltage Ui V 690 Rated insulation voltage Uimp kV 6 Insulation class II I Short-circuit protection with fuse Class/A 10 gG/SC 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	Type of contact				3NC Slow action
Rated insulation voltage Ui V 690 Rated impulse withstand voltage Uimp kV 6 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) mQ <10				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	signation			A600 Q600
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) mQ <10	Rated insulation voltage	je Ui		V	690
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) mQ <10	Rated impulse withsta	nd voltage Uimp		kV	6
Short-Circuit protection with fuse 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	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	with 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	m/s	1.5
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 Ibin 7 Conductor section AWG/Kcmil min 16 IEC min 14 10 r 2	IEC Conventional free	air thermal current Ith		А	10
Operating head fixing Locking bayonet insert Operating torque Nom 3 Tightening torque (Max) Switch fixing 4.25 Tightening torque (Max) Switch fixing Nm 2.5 Contact terminals Nm 0.8 1bin 7 Body lid screw fixing Nm 0.8 1bin 7 Conductor section AWG/Kcmil min 16 14 IEC min 14 14		average value)		mΩ	<10
Operating head hixing insert Operating torque Ncm 3 Ozin 4.25 Tightening torque (Max) Switch fixing Nm Switch fixing Nm 2.5 Contact terminals Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil min 16 IEC 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 Nom 0.8 Ibin 7 Body lid screw fixing Nm AWG/Kcmil min IEC min 16 min mm 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 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section Nm 0.8 AWG/Kcmil min 16 IEC min 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 AWG/Kcmil 16 IEC min 14					
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 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 0.8 AWG/Kcmil min 7 IEC min 16 min mm 14	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 nin 7 IEC nin 16 min mm² 10r 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 r 2					
Nm 0.8 Body lid screw fixing 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil 7 AWG/Kcmil 16 IEC 14		0		Ibin	22.1
Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil 7 AWG/Kcmil min 16 IEC 14 IEC min mm²		Contact terminals		N.L.	
Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil initial initiali initialininitialinininitial initial initial initial initinitial					
Nm 0.8 Ibin 7 Conductor section AWG/Kcmil min 16 max 14 IEC min mm² min mm² 10 r 2		Dody lid corow fiving		IDIN	1
Ibin 7 Conductor section AWG/Kcmil min 16 max 14 IEC min mm²		Body lid screw lixing		Nm	0.9
Conductor section AWG/Kcmil min 16 max 14 IEC min mmm²					
AWG/Kcmil min 16 max 14 IEC min mm ² 1or 2	Conductor section				1
min 16 max 14 IEC min mm ² 1or 2		AWG/Kcmil			
IEC min mm ² 1or 2			min		16
IEC min mm ² 1or 2					
min mm ² 1or 2		IEC			
			min	mm²	1or 2
				mm²	2.5



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		ROLLER
		Self-releasing screw terminal
		M20 on the bottom
	cycles	<1000000
	cycles/h	3600
min	°C	-25
max	°C	+70
min	°C	-40
max	°C	+70
Terminals		IP20
Body housing		IP65
		3
42 (1.57")		
	max min max Terminals	cycles/h min °C max °C min °C max °C Terminals Body housing

Wiring diagrams

54

30

(1.18"

30

(1.18"

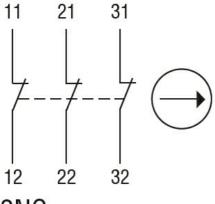
M20

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Slow action



3NC

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Certifications	and or	amplianco
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Compliance

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	n	
		EC000030 - End

ETIM 8.0

EC000030 - End switch