

LIMIT SWITCH, K SERIES, ROLLER LEVER PLUNGER, 1 BOTTOM CABLE ENTRY. DIMENSIONS TO EN 50047, PLASTIC BODY, CONTACTS 2NO SLOW ACTION. RUBBER ROLLER



KBE3L20

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

Roller Roller Rubber Contact ZNO Slow action Type of contact 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 1 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 Ith A 10 Resistance per pole (average value) mΩ <10 Mechanical features Uorking bayonet insert Operating head fixing Locking bayonet insert Operating torque Ncm 3 Ightening torque (Max) Switch fixing Nm 0.8 Body lid screw fixing Nm 0.8 Ibin 7 Icclassical fixing Nm 0.8 Integrating torque (Max)			Housing		Polymer thermoplastic
Contact characteristics 2NO Slow action Type of contact 2NO Slow action Thermal current th 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 imax m/s 1.5 1.5 IEC Conventional free air thermal current th A 10 0 Resistance per pole (average value) mΩ <10			Roller		
Type of contact 2NO Slow action Thermal current lth A 10 IEC/EN 60947-5-1 designation A600 0600 Rated insulation voltage Ui V 690 Rated insulation voltage Ui V 690 Rated insulation voltage Ui V 690 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 Resistance per pole (average value) mΩ <10	Contact characteristic	S			
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IEC/EN 60947-5-1 designation A600 Q600 Rated insulation voltage Ui V 690 Rated insulation voltage Uinp kV 6 Insulation class II 0 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 Mechanical features Locking bayonet insert 0 Operating head fixing Locking bayonet insert 10 Operating torque Ncm 3 0 Operating torque (Max) Switch fixing Ncm 3 0 Tightening torque (Max) Switch fixing Nm 0.8 1 Conductor section AWG/Kcmil Nm 0.8 1 16 IEC min 16 max 14 14				Α	
Rated insulation voltage Ui V 690 Rated impulse withstand voltage Uimp kV 6 Insulation class II 10 gG/SC Short-circuit protection with fuse Class/A 10 gG/SC 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
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				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) mΩ <10				kV	6
Short-Circuit protection with fuse OLESS/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	n with fuse		Class/A	10 gG/SC QUICK FUSE
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
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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 10r 2				ozin	4.25
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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			
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Nm 0.8 Ibin 7 Conductor section AWG/Kcmil		Dedu lid eerow fiving		nidi	1
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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 mm² 1or 2			min		16
IEC min mm ² 1or 2					
min mm ² 1 or 2		IEC	max		
			min	mm²	1or 2



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ENERGY AND AUTOMATION			RULLER
Cable connection			Self-releasing screw terminal
Cable entry			M20 on the bottom
Operations			
Mechanical life		cycles	<1000000
Mechanical operation Ambient conditions		cycles/h	3600
Temperature			
Operating temperature			
operating temperature	min	°C	-25
	max	°C	+70
Storage temperature			
	min	°C	-40
	max	°C	+70
Resistance & Protection			
IP degree			
	Terminals		IP20
Dollution dograd	Body housing		IP65 3
Pollution degree Dimensions			3
	42 (1.57")		
Ø50x10 (1.97"x0.39") Ø4.3 (0.16") 20 (0.78") 273")			

Wiring diagrams

30

(1.18"

30

1.18

M20

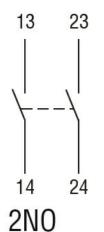
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Slow action



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		
	<u>CCC</u>	
	cULus	
	EAC	
ETIM classification		
ETIM 8.0		EC000030 - End switch