ENERGY AND AUTOMATION

LIMIT SWITCH, K SERIES, ROLLER CENTRE PUSH LEVER, 1 BOTTOM CABLE ENTRY. DIMENSIONS TO EN 50047, PLASTIC BODY, CONTACTS 2NC SNAP ACTION. PLASTIC ROLLER



KBC1S02

Product designation	Roller centre push lever
Product type designation	KBC
General characteristics	
Material	

Roller Plastic Contact contact 2NC Snap action 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 otage U V 690 Rated insulation voltage Uimp kV 6 Insulation class II 10 gG/sC QUICK FUSE Switching speed min m/s 0.5 Mechanical features 0 10 gG/sC Operating head fixing min m/s 1.5 IEC Conventional free air thermal current lth A 10 0 Mechanical features min m/s 1.5 Operating head fixing cocking bayonet insert 0 10 Operating torque N 6 10 1.34 Tightening torque (Max) Switch fixing Nm 0.8 10 Eody lid screw fixing Nm 0.8 10 7			Housing		Polymer thermoplastic
Contact characteristics 2NC Snap action Type of contact 2NC Snap action Thermal current thn 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 QUICK FUSE Switching speed min m/s 0.5 max m/s 1.5 1.5 IEC Conventional free air thermal current Ith A 10 0 Resistance per pole (average value) mQ <10			Roller		
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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 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				Α	-
Rated insulation voltage Ui V 690 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 1.5 IEC Conventional free air thermal current Ith A 10 Resistance per pole (average value) mΩ <10	IEC/EN 60947-5-1 de	signation			A600 Q600
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Shint-Circuit protection with ruse 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) mQ <10	Insulation class				
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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	0.5
Resistance per pole (average value) mΩ <10 Mechanical features Locking bayonet insert Operating head fixing Locking bayonet insert Operating torque N 6 Ibit 1.34 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 Body lid screw fixing Nm 0.8 Ibin 7 Ibin 7 Conductor section AWG/Kcmil min 16 IEC min<			max	m/s	1.5
Mechanical features Locking bayonet insert Operating head fixing Locking bayonet insert Operating torque N 6 Ib 1.34 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 17	IEC Conventional free	air thermal current Ith		А	10
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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			
Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil Imin AWG/Kcmil 16 IEC 14 IEC 10 r 2					
Nm 0.8 Ibin 7 Conductor section AWG/Kcmil				Ibin	/
Ibin 7 Conductor section AWG/Kcmil min 16 max 14 IEC min mm²		Body lid screw fixing		N	
Conductor section AWG/Kcmil min 16 max 14 IEC min mmm²					
AWG/Kcmil min 16 max 14 IEC min mm ² 1 or 2	Conductor contine			nidi	1
min 16 max 14 IEC min mm ² 1or 2	Conductor section	ANAC /Komil			
IEC min mm² 1or 2			min		16
IEC min mm ² 1 or 2					
min mm² 1or 2		IFC	Παλ		17
			min	mm²	1or 2
			max	mm²	2.5

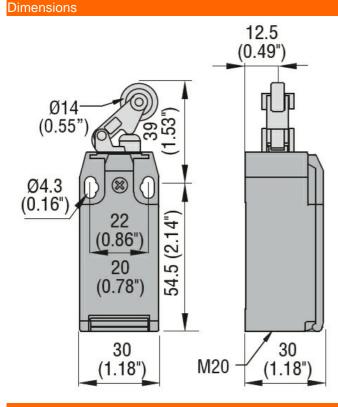
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Cable connection				Self-releasing screw terminal
Cable entry				M20 on the bottom
Operations				
Mechanical life			cycles	<1000000
Mechanical operation			cycles/h	3600
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+70
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protectic	on			
IP degree				
		Terminals		IP20
		Body housing		IP65
Pollution degree		· · ·		3



Wiring diagrams

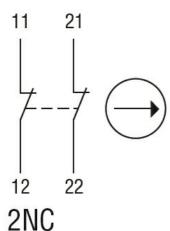
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Snap action



Certifications and 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 EC000030 - End **ETIM 8.0** switch