ENERGY AND AUTOMATION

LIMIT SWITCH, K SERIES, CERAMIC ROD LEVER, 2 SIDE CABLE ENTRY. DIMENSIONS COMPATIBLE TO EN 50047, PLASTIC BODY, CONTACTS 1NO+1NC SNAP ACTION. CERAMIC

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Product designation

Product type designation

Ceramic rod lever

KCH

General characteristics

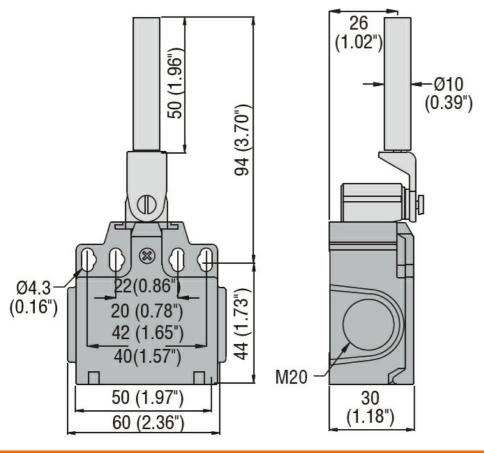
Material

Contact characteristics Type of contact 1 NIO+1 NC Snap action Type of contact 1 NIO+1 NC Snap action 1 NIO+1 NC Snap action EC/EN 60947-5-1 designation × V 690 600 Rated insulation voltage Uimp kV 690 1 Uman action action action action action action protection with fuse 1 II Short-circuit protection with fuse	Material		Housing		Polymer thermoplastic
Contact characteristics Type of contact 1NO+1NC Snap action action Incertify the contact characteristics 4 10 IEC/EN 60947-5-1 designation × 6800 0600 Rated insulation voltage Ui kV 690 Rated impulse withstand voltage Uimp kV 6 Insulation class II 10 gG/SC QUICK FUSE Switching speed min m/s 0.5 max Witching speed min m/s 0.5 max IEC Conventional free air thermal current Ith A 10 Resistance per pole (average value) mΩ < 0			Rod		
Type of contact Thermal current lith A 10 EC/EN 60947-5-1 designation V 690 Rated insulation voltage Ui V 690 Rated insulation voltage Uimp kV 6 Insulation class II 10 gG/SC CUICK FUSE Short-circuit protection with fuse Class/A 10 gG/SC CUICK FUSE Switching speed min m/s 0.5 max m/s 1.5 EC Conventional free air thermal current lith A 10 Resistance per pole (average value) mΩ <10 Mechanical features Locking bayonet Insulation class Locking bayonet Insulation class Locking bayonet Insulation class Locking bayonet Insulation class Nm 2.5 Insulation class Nm 2.5 Insulation class Nm 2.5 Insulation class Nm 2.5 Insulation class Nm 0.8 Insula	Contact characteristics				
Thermal current lith	Type of contact				•
EC/EN 60947-5-1 designation Rated insulation voltage Ui V 690 Rated insulation voltage Uimp kV 6 Insulation class II Short-circuit protection with fuse Class/A 20UICK FUSE Switching speed min m/s 0.5 max m/s 1.5 EC Conventional free air thermal current Ith	Thormal ourrant Ith			Λ	
Rated insulation voltage Ui V 690 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 m/s 0.5 max m/s 1.5 1.5 IEC Conventional free air thermal current lth A 10 10 Resistance per pole (average value) mΩ < 10		rignation		A	
Rated impulse withstand voltage Ulimp Insulation class kV 6 Insulation class II Short-circuit protection with fuse Class/A QUICK FUSE 10 gG/SC QUICK FUSE Switching speed min m/s				\/	
Short-circuit protection with fuse Class/A Class/A					
Short-circuit protection with fuse Class/A 10 gG/SC QUICK FUSE		id voltage Olimp		K V	
Smitching speed Smitching speed	insulation class				
IEC Conventional free air thermal current lth		with fuse		Class/A	QUICK FUSE
EC Conventional free air thermal current Ith Resistance per pole (average value) mΩ x 1.5 x 1.0 x x x x x x x x x	Switching speed				
EC Conventional free air thermal current Ith Resistance per pole (average value) mΩ <10			min		
Resistance per pole (average value) mΩ <10			max		
Mechanical features Operating head fixing Locking bayonet insert Operating torque Ncm 3 ozin 4.25 Tightening torque (Max) Nm 2.5 lbin 22.1 Contact terminals Nm 0.8 lbin 7 Body lid screw fixing Nm 0.8 lbin 7 Conductor section AWG/Kcmil IEC min min min mm² 16 max 1 de max 14 IEC min mm² 10 c 2					
Cocking bayonet insert Cocking bayonet insert		verage value)		mΩ	<10
Insert I	Mechanical features				
Ncm 3	Operating head fixing				• •
Nm 2.5	Operating torque				
Switch fixing Nm 2.5				Ncm	3
Switch fixing				ozin	4.25
Nm 2.5	Tightening torque (Max	r)			
Din 22.1		Switch fixing			
Contact terminals				Nm	2.5
Nm 0.8				lbin	22.1
Body lid screw fixing		Contact terminals			
Body lid screw fixing				Nm	0.8
Nm 0.8 1bin 7				lbin	7
Section AWG/Kcmil Min 16 max 14		Body lid screw fixing			
AWG/Kcmil				Nm	0.8
AWG/Kcmil min 16 max 14 IEC min mm² 1or 2				lbin	7
min 16 max 14 IEC min mm² 1or 2	Conductor section				
max		AWG/Kcmil			
IEC min mm² 1or 2			min		
min mm² 1or 2			max		14
		IEC			
max mm² 2.5					
			max	mm²	2.5

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ENERGY	ANID	ALIT/	ANAC	TION

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Cable connection				Self-releasing
				screw terminal
Cable entry				M20 on the sides
Operations				
Mechanical life			cycles	<10000000
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 & Protection	on			
IP degree				
		Terminals		IP20
		Body housing		IP65
Pollution degree				3
Dimensions				

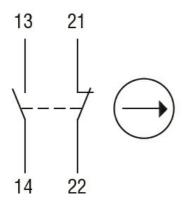


Wiring diagrams

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Snap action



1NO + 1NC

Certifications	and	compi	iance
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