

LIMIT SWITCH, K SERIES, ADJUSTABLE ROLLER LEVER, 2 SIDE CABLE ENTRY. DIMENSIONS COMPATIBLE TO EN 50047, PLASTIC BODY, CONTACTS 2NC SLOW ACTION. RUBBER ROLLER



KCF4L02

Product designation	Adjustable roller lever
Product type designation	KCF
General characteristics	

Material
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Roller         Rubber           Type of contact         2NC Slow action           Thermal current lth         A         10           EC/EN 60947-5-1 designation         A600 Q600           Rated insulation voltage U         V         690           Rated insulation voltage U         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         15           IEC Conventional free air thermal current lth         A         10         0           Resistance per pole (average value)         mΩ         <10         0           Mechanical features         Uccking bayonet insert         0         0           Operating head fixing         Locking bayonet insert         0         0           Operating torque         Nrm         3         0         2.5           Tightening torque (Max)         Switch fixing         Nrm         2.5         1           Contact terminals         Nm         0.8         1         1           Body lid screw fixing         Nm         0.8         1			Housing		Polymer
Contact characteristics         2NC Slow action           Type of contact         A         10           Thermal current th         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           Short-circuit protection with fuse         Class/A         10 gG/SC           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			-		thermoplastic
Type of contact         2NC Slow action           Thermal current lth         A         10           IEC/EN 60947-5-1 designation         A 600 Q600           Rated insulation voltage Ui         V         690           Rated insulation voltage Ui         V         6           Insulation class         II         II           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           IEC Conventional free air thermal current lth         A         10         Resistance per pole (average value)           Mechanical features         Uccking bayonet insert         Locking bayonet insert         Insert           Operating head fixing         Ncm         3         ozin         4.25           Tightening torque (Max)         Switch fixing         Nm         2.5         lbin         7           Contact terminals         Nm         0.8         lbin         7           Conductor section         AWG/Kcmil         Min         0.8         lbin         7           Resistance per pole (average value)         Nm         2.5         lbin         7         1 </td <td></td> <td></td> <td>Roller</td> <td></td> <td>Rubber</td>			Roller		Rubber
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 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		8			
IEC/EN 60947-5-1 designation A600 Q600 Rated insulation voltage Ui V 690 Rated 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 Mechanical features Operating head fixing Locking bayonet insert Operating torque (Max) Tightening torque (Max) Switch fixing Nm 2.5 Ibin 22.1 Contact terminals Nm 0.8 Ibin 7 Conductor section AWG/Kcmil MWG/Kcmil MWG/Kcmil Nm 16 max 14 IEC min mm² 1or 2					
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       0.5         max       m/s       1.5         IEC Conventional free air thermal current lth       A       10         Resistance per pole (average value)       mQ       <10				A	
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)       mQ<<10					
Insulation class II I 0 GG/SC QUICK FUSE Switching speed min m/s 0.5 max n/s 1.5 IEC Conventional free air thermal current lth A 10 Resistance per pole (average value) Mechanical features Operating head fixing Operating head fixing Operating torque Ncm 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 MKG/Kcmil Min 16 max 14 II				-	
Short-circuit protection with fuse       Class/A       10 gG/SC QUICK FUSE         Switching speed       min mx       m/s       0.5 max         Second Structure       max       m/s       1.5         IEC Conventional free air thermal current lth       A       10         Resistance per pole (average value)       mΩ       <10		nd voltage Uimp		kV	
Sition conclusion protection with russ Outsof 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 Ncm 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				
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	Short-circuit protection	n with fuse		Class/A	
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 Ith A 10 Resistance per pole (average value) mΩ <10 Mechanical features Locking bayonet insert insert Operating head fixing Locking bayonet insert insert Operating torque (Max) 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 IEC min mm² 1 or 2			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       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         Operating torque (Max)       Nm 0.8         Ibin 7       Ibin 7         Body lid screw fixing       Nm 0.8         Ibin 7       Ibin 7         Ibin 7       Ibin 7 <td>IEC Conventional free</td> <td>air thermal current Ith</td> <td></td> <td>А</td> <td>10</td>	IEC Conventional free	air thermal current Ith		А	10
Operating head fixing     Locking bayonet insert       Operating torque     Ncm     3       Operating torque (Max)     Ncm     4.25       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     NMG/Kcmil     Ibin       AWG/Kcmil     min     16       IEC     min     14	Resistance per pole (a	average value)		mΩ	<10
Operating field fixing insert Operating torque Ncm 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 IEC min mm² 1or 2	Mechanical features				
Ncm         3           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           Conductor section         AWG/Kcmil         min         16         14           IEC         min         14         14	Operating head fixing				Locking bayonet insert
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     16       Max     14       IEC     min     mm	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       min       16         IEC       min       14				Ncm	3
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 mm <sup>2</sup> 1 or 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         16           IEC         min         14	Tightening torque (Max	x)			
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         max       14         IEC       min       mm		Switch fixing			
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 1 or 2				Nm	2.5
Nm       0.8         Ibin       7         Body lid screw fixing       Nm       0.8         Ibin       7         Conductor section       AWG/Kcmil       7         AWG/Kcmil       16         IEC       14         IEC       101 2				lbin	22.1
Ibin     7       Body lid screw fixing     Nm     0.8       Ibin     7       Conductor section     AWG/Kcmil     16       Min     16     14       IEC     min     mm²		Contact terminals			
Body lid screw fixing Nm 0.8 lbin 7 Conductor section AWG/Kcmil min 16 max 14 IEC min mm <sup>2</sup> 1 or 2				Nm	0.8
Nm 0.8 Ibin 7 Conductor section AWG/Kcmil min 16 max 14 IEC min mm <sup>2</sup> 1 or 2				lbin	7
Ibin     7       Conductor section     AWG/Kcmil       min     16       max     14       IEC     min       min     mm		Body lid screw fixing			
Conductor section AWG/Kcmil 				Nm	0.8
AWG/Kcmil min 16 max 14 IEC min mm <sup>2</sup> 1 or 2				lbin	7
min         16           max         14           IEC         min         mm²         1 or 2	Conductor section				
IEC min mm <sup>2</sup> 1or 2		AWG/Kcmil			
IEC min mm <sup>2</sup> 1 or 2			min		16
min mm² 1or 2			max		14
		IEC			
max mm <sup>2</sup> 2.5			min	mm²	1or 2
			max	mm²	2.5

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Cable connection				Self-releasing screw terminal
Cable entry				M20 on the sides
Operations				
Mechanical life			cycles	<1000000
Mechanical operation Ambient conditions			cycles/h	3600
Temperature				
remperature	Operating temperature			
	Operating temperature	min	°C	-25
		max	°Č	+70
	Storage temperature		-	
		min	°C	-40
		max	°C	+70
Resistance & Protection	on			
IP degree				
		Terminals		IP20
		Body housing		IP65
Pollution degree				3
Dimensions				
Ø50x10- (1.97"x0.39") 22(0.86") 20 (0.78") Ø4.3- (0.16")	42 (1.57") 50 (1.97") 50 (1.97")	51.566.5 (2.02"2.61"		

## Wiring diagrams

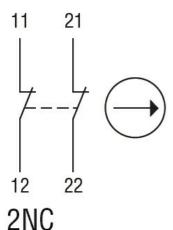
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## Slow action



## Certifications and compliance Compliance CSA C22.2 n° 14 EN 50047 EC/EN 60204-1 IEC/EN 60204-1 IEC/EN 60947-5.1 UL508 UL508 Certificates CCC cULus EAC ETIM classification EC000020 - End

ETIM 8.0

EC000030 - End switch

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