

KMC1S02 LIMIT SWITCH, K SERIES, ROLLER CENTRE PUSH LEVER, 1 BOTTOM CABLE ENTRY. DIMENSIONS TO EN 50047, METAL BODY, CONTACTS 2NC SNAP ACTION. PLASTIC ROLLER



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

$\begin{tabular}{ c c c c c } \hline Roller & Plastic \\ \hline \hline Roller & Plastic \\ \hline \hline Plastic \\ \hline \hline Type of contact & 2NC Snap action \\ \hline \hline Thermal current lth & A & 10 \\ \hline IEC/EN 60947-5-1 designation & A300 Q300 \\ \hline Rated insulation voltage Ui & V & 440 \\ \hline Rated insulation voltage Ui & V & 440 \\ \hline Rated impulse withstand voltage Uimp & kV & 4 \\ \hline Short-circuit protection with fuse & Class/A & 10 gG/SC \\ \hline QUICK FUSE \\ \hline Switching speed & & & & & & & & & & & & & & & & & & $			Housing		Aluminium-zinc
Contact characteristics 2NC Snap action Type of contact 2NC Snap action Thermal current lth A 10 IEC/EN 60947-5-1 designation A 300 Q300 Rated insulation voltage Ui V 440 Rated insulation voltage Ui V 440 Rated insulation voltage Uimp kV 4 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			-		alloy
Type of contact 2NC Snap action Thermal current lth A 10 IEC/EN 60947-5-1 designation A300 Q300 Rated insulation voltage UI V 440 Rated insulation voltage Uimp KV 4 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	Contact characteristic		Roller		Plastic
Thermal current lth A 10 IEC/EN 60947-5-1 designation A300 Q300 Rated insulation voltage Ui V 440 Rated insulation voltage Uimp kV 4 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					2NC Spap action
IEC/EN 60947-5-1 designation A300 Q300 Rated insulation voltage Ui V 440 Rated impulse withstand voltage Uimp kV 4 Short-circuit protection with fuse Class/A 10 gG/SC QUICK FUSE Switching speed min m/s 0.5 mix m/s 1.5 IEC Conventional free air thermal current Ith A 10 Resistance per pole (average value) mΩ <10				۸	· · · · · · · · · · · · · · · · · · ·
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Sindicated protection with fuse Outserval 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				ΓV	
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	
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			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 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil min 16	IEC Conventional free	air thermal current Ith		А	10
Operating head fixing Locking bayonet insert Operating torque N 6 Ib 1.34 1.34 Tightening torque (Max) Switch fixing Nm 2.5 Ibin 22.1 100 22.1 Contact terminals Nm 0.8 100 Body lid screw fixing Nm 0.8 100 Conductor section AWG/Kcmil 16 16	Resistance per pole (a	average value)		mΩ	<10
Operating head hining insert Operating torque N 6 Ib 1.34 Tightening torque (Max) Switch fixing 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 Ibin Min 16	Mechanical features				
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 Ibin 16	Operating head fixing				Locking bayonet insert
N 6 Ib 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 Conductor section AWG/Kcmil min 16	Operating torgue				
Ib 1.34 Tightening torque (Max) Switch fixing 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 Ibin min 16				Ν	6
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 Ibin 7 Min 16 16					
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	Tightening torque (Max	<)			
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					
Contact terminals Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil nin Min 16		0		Nm	2.5
Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section NWG/Kcmil 16				lbin	22.1
Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil 16		Contact terminals			
Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil min 16				Nm	0.8
Nm 0.8 Ibin 7 Conductor section AWG/Kcmil min 16				lbin	7
Ibin 7 Conductor section AWG/Kcmil min 16		Body lid screw fixing			
Conductor section AWG/Kcmil min 16				Nm	0.8
AWG/Kcmil min 16				lbin	7
min 16	Conductor section				
		AWG/Kcmil			
max 14			min		16
			max		14
IEC		IEC			
min mm² 1or 2			min	mm²	1or 2
max mm² 2.5			max	mm²	2.5
Cable connection Self-releasing screw terminal	Cable connection				



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ENERGY AND AUTOMATION

DIMENSIONS TO EN 50047, METAL BODY, CONTACTS 2NC SNAP ACTION. PLASTIC ROLLER

Cable entry				M20 on the bottom
Operations				4000000
Mechanical life			cycles	<10000000
Mechanical operation			cycles/h	3600
Ambient conditions				
Temperature				
Operating temperatu	le	min	°C	-25
			°C	-25 +70
Storage temperature		max	U	+70
Storage temperature		min	°C	-40
		max	°C	-40 +70
Resistance & Protection		max	U	+70
P degree				
ir degree		Terminals		IP20
		Body housing		IP20 IP65
Pollution degree		Body Housing		3
Dimensions				3
	_			
12.	5			
(0.49	9")			
	-			
Ø14-19) [4	Uμ			
(0.55") <u> </u>	r			
])			
Ø4.3 (0.16")				
22 (0.86")				
20 5				
20 <u>5</u> (0.78") <u>5</u>				
(0.70) 10				

Wiring diagrams

30

(1.18"

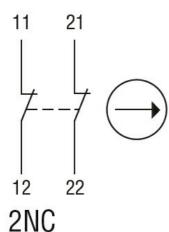
30 (1.18"

M20



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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