ENERGY AND AUTOMATION

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



KME2L12

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

Roller Metal Type of contact 1NO+2NC Slow action Thermal current lth A IEC/EN 60947-5-1 designation A300 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 max m/s 0.5 IEC Conventional free air thermal current lth A 10 Resistance per pole (average value) mΩ <10 Mechanical features Ucoking bayonet insert 0 Operating head fixing Locking bayonet insert 0 Operating torque Ncm 3 3 Operating torque (Max) Switch fixing Nm 2.5 Ibin 7 Eody lid screw fixing Nm 0.8 Ibin 7 Eody lid screw fixing Nm 0.8 Ibin 7 Conductor section Nm 16 Ibin			Housing		Aluminium-zinc alloy
Contact characteristics 1NO+2NC Slow action Type of contact 10 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 1.5 IEC Conventional free air thermal current lth A 10 0 Resistance per pole (average value) mΩ <10			Roller		•
Type of contact 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 mix m/s 1.5 IEC Conventional free air thermal current lth A 10 Resistance per pole (average value) mΩ <10	Contact characteristic	cs			
IEC/EN 60947-5-1 designation A300 Q300 Rated insulation voltage Ui Rated insulation voltage Uimp KV 440 Rated inpulse withstand voltage Uimp KV 4 Short-circuit protection with fuse Class/A 10 gG/SC QUICK FUSE Witching speed min m/s 0.5 max m/s 1.5 IEC Conventional free air thermal current Ith A 10 Resistance per pole (average value) Mechanical features Operating head fixing Operating torque Ncm 3 ozin 4.25 Tightening torque (Max) Switch fixing Nm 2.5 Ibin 7 Conductor section AWG/Kcmil IEC min mm² 1of 2	Type of contact				
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 max m/s 1.5 IEC Conventional free air thermal current lth A 10 Resistance per pole (average value) mΩ <10	Thermal current Ith			А	10
Rated impulse withstand voltage Uimp kV 4 Short-circuit protection with fuse Class/A 10 gG/SC OUICK FUSE Switching speed min m/s 0.5 max m/s 1.5 IEC Conventional free air thermal current Ith A 10 Resistance per pole (average value) mQ <10	IEC/EN 60947-5-1 de	esignation			A300 Q300
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	Rated insulation volta	ge Ui		V	440
Short-Circuit protection with fuse Classifier QUICK FUSE witching 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) Mechanical features Operating head fixing 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 IEC min mm² 1or 2	Rated impulse withsta	and voltage Uimp		kV	4
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 protectio	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
Machanical 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 Conductor section AWG/Kcmil min 16 max 14 IEC min min min 16	IEC Conventional free	e air thermal current Ith		А	10
Operating head fixing Locking bayonet insert Operating torque Ncm 3 Tightening torque (Max) Switch fixing 4.25 Tightening torque (Max) Switch fixing Nm 2.5 Locking bayonet insert Ibin 22.1 Contact terminals Nm 0.8 Body lid screw fixing Nm 0.8 Ibin 7 10 Conductor section AWG/Kcmil min 16 IEC min 14	Resistance per pole ((average value)		mΩ	<10
Operating nead 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 Nm 16 AWG/Kcmil min 16 IEC min mm² 1or 2	Mechanical features				
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 Inin 16 IEC min min 14	Operating head fixing	I			
Image: solution of the second secon	Operating torque				
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				Ncm	3
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 7 IEC min 16 14 IEC min mm² 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 max 14 IEC min mm²	Tightening torque (Ma				
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 7 IEC min 16 min 14 IEC min 10r 2		Switch fixing			
Contact terminals Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section Nm 0.8 AWG/Kcmil nin 16 IEC nin 14					
Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil 7 AWG/Kcmil 16 IEC 14				lbin	22.1
Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil 16 min 16 IEC min 14		Contact terminals			
Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil Information AWG/Kcmil min 16 IEC min 14 IEC min 10 r 2					
Nm 0.8 Ibin 7 Conductor section AWG/Kcmil				Ibin	1
Ibin 7 Conductor section AWG/Kcmil 16		Body lid screw fixing		Nime	0.0
Conductor section AWG/Kcmil min 16					
AWG/Kcmil min 16 max 14 IEC min mm ² 1or 2	Conductor contion			nidi	1
min 16 max 14 IEC min mm² 1or 2	Conductor Section	AMC/Komil			
IEC min mm² 1or 2			min		16
IEC min mm ² 1or 2					
min mm ² 1or 2		IEC	IIIdX		17
			min	mm²	1or 2
			max	mm²	2.5

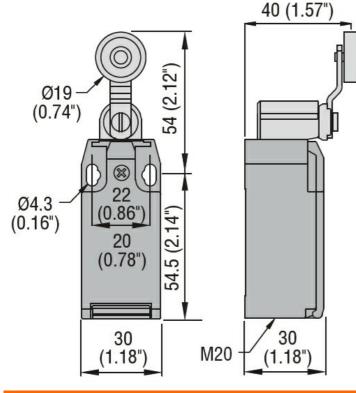
KME2L12



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

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

Dimensions



Wiring diagrams

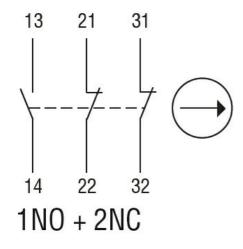
KME2L12

KME2L12



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

Slow action



Certifications and	d 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	on	
		EC000030 - End

ETIM 8.0

EC000030 - End switch