## KBM2L21



LIMIT SWITCH, K SERIES, WOBBLE STICK, OMNIDIRECTIONAL, 1 BOTTOM CABLE ENTRY. DIMENSIONS TO EN 50047, PLASTIC BODY, CONTACTS 2NO+1NC SLOW ACTION. SEMIRIGID ROD



Product designation	Wobble stick, omnidirectional
Product type designation	КВМ
General characteristics	
Material	

Rod     Thermoplastic Rod     Semirigid       Contact characteristics     2NO+1NC Slow action       Type of contact     2NO+1NC Slow action       Thermal current lth     A     10       IEC/EN 60947-5-1 designation     A 600 Q300       Rated insulation voltage UI     V     690       Rated insulation voltage UI     V     600       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       Mechanical features     0     0       Operating head fixing     Locking bayonet insert     0       Operating torque     Ncm     1       Quert terminals     Nm     0.8       Ibin     7     0       Body lid screw fixing     Nm     0.8       Ibin     7     0
Contact characteristics       2NO+1NC Slow action         Type of contact       2NO+1NC Slow action         Thermal current lth       A       10         IEC/EN 60947-5-1 designation       A600 Q300         Rated insulation voltage Ui       V       690         Rated inpulse withstand voltage Uimp       kV       6         Insulation class       II       0gG/SC QUICK FUSE         Switching speed       min       m/s       0.5         max       m/s       1.5       0.5         IEC Conventional free air thermal current lth       A       10         Resistance per pole (average value)       mQ       <10
Type of contact       action         Thermal current lth       A       10         IEC/EN 60947-5-1 designation       A600 Q300         Rated insulation voltage Ui       V       690         Rated insulation class       II         Short-circuit protection with fuse       Class/A       10 gG/SC         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
IEC/EN 60947-5-1 designation       A600 Q300         Rated insulation voltage Ui       V       690         Rated impulse withstand voltage Uimp       KV       6         Insulation class       II       II         Short-circuit protection with fuse       Class/A       10 gG/SC         Switching speed       min       m/s       0.5         IEC Conventional free air thermal current Ith       A       10         Resistance per pole (average value)       mQ       <10
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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       1.5         IEC Conventional free air thermal current Ith       A       10         Resistance per pole (average value)       mΩ       <10
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
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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
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Mechanical features       Locking bayonet insert         Operating head fixing       Locking bayonet insert         Operating torque       Ncm       1         Operating torque (Max)       0zin       1.42         Tightening torque (Max)       Switch fixing       Nm       2.5         Ibin       22.1       1         Contact terminals       Nm       0.8         Ibin       7       1         Body lid screw fixing       Nm       0.8         Ibin       7       1
Operating head fixing       Locking bayonet insert         Operating torque       Ncm       1         Operating torque (Max)       0zin       1.42         Tightening torque (Max)       Switch fixing       Nm       2.5         Ibin       22.1       1000000000000000000000000000000000000
Operating nead fixing     insert       Operating torque     Ncm     1       Ozin     1.42       Tightening torque (Max)     Switch fixing     Nm       Switch fixing     Nm     2.5       Ibin     22.1       Contact terminals     Nm     0.8       Ibin     7       Body lid screw fixing     Nm     0.8       Ibin     7
Ncm       1         ozin       1.42         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
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Switch fixing Nm 2.5 Ibin 22.1 Contact terminals Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7
Nm       2.5         Ibin       22.1         Contact terminals       Nm       0.8         Ibin       7         Body lid screw fixing       Nm       0.8         Ibin       7
Ibin     22.1       Contact terminals     Nm     0.8       Ibin     7       Body lid screw fixing     Nm     0.8       Ibin     7
Contact terminals Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7
Nm       0.8         Ibin       7         Body lid screw fixing       Nm       0.8         Ibin       7
Ibin     7       Body lid screw fixing     Nm     0.8       Ibin     7
Body lid screw fixing Nm 0.8 Ibin 7
Nm 0.8 Ibin 7
Ibin 7
AWG/Kcmil
min 16 max 14
IEC max 14
min mm <sup>2</sup> 1 or 2
max mm <sup>2</sup> 2.5

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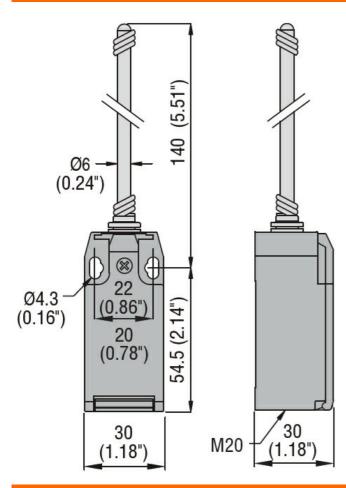
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



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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				
O	perating temperature			
		min	°C	-25
		max	°C	+70
St	orage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protection				
P degree				
		Terminals		IP20
		Body housing		IP65
Pollution degree				3

Dimensions



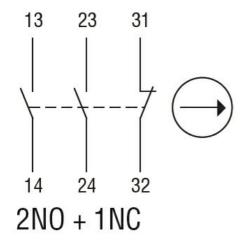
## Wiring diagrams

## KBM2L21



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Slow action



Certifications and co	mpliance	
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