



Product designation     Key operated KBN       Product type designation     KBN       General characteristics     Polymer thermoplastic       Key shape     Straight "T"       Contact characteristics     INO-+1NC Slow action       Type of contact     INO-+1NC Slow action       Thermal current lth     A     10       IEC/EN 60947-5-1 designation     A600 Q600       Rated insulation voltage Ui     V     690       Rated insulation voltage Ui     V     6       Insulation class     II     I       Short-circuit protection with fuse     Class/A     0 gG/sC QUICK FUSE       Switching speed     min     m/s     1.5       EEC Conventional free air thermal current lth     A     10       Resistance per pole (average value)     mΩ     <10       Operations     cycles     100000       B10d     cycles     100000       B10d <th></th> <th></th> <th></th> <th></th>				
General characteristics       Polymer         Housing Material       Polymer         Housing Material       Straight T"         Key shape       Straight T"         Contact characteristics       INO-1NC Slow         Type of contact       INO-1NC Slow         Thermal current lth       A       10         IEC/EN 60947-5-1 designation       A600 Q600         Rated insulation voltage Ui       V       690         Rated insulation voltage Uinp       kV       6         Insulation class       II       Straight T"         Short-circuit protection with fuse       Class/A       10 g6/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       100       Operations       Model         Mechanical life       cycles       100000       B10d       cycles       100000         Mechanical life       cycles       100000       Mechanical life       cycles       100000         Operating head fixing       issert       Ib       1.8       Tightening torque       N       8       Ib       1.8 <td>Product designation</td> <td></td> <td></td> <td>Key operated</td>	Product designation			Key operated
General characteristics       Polymer         Housing Material       Polymer         Key shape       Straight "T"         Contact characteristics       INO+1NC Slow action         Type of contact       1NO+1NC Slow action         Thermal current lth       A       10         EC/EN 60947-5-1 designation       A 600 Q600         Rated insulation voltage Ui       V       690         Rated insulation voltage Uinp       KV       6         Insulation class       II       I         Sont-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 Ith       A       10         Resistance per pole (average value)       mΩ       <10				KBN
Housing Material     Polymer thermoplastic       Key shape     Straight 'T'       Contact characteristics     1NO+1NC Slow action       Type of contact     1NO+1NC Slow action       Thermal current th     A     10       IEC/EN 60947-5-1 designation     A     10       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 QUICK FUSE       Switching speed     min     m/s     0.5       EC Conventional free air thermal current Ith     A     10       Resistance per pole (average value)     mQ     10       Operations     cycles     100000       Mechanical life     cycles     100000       Mechanical features     I     I       Operating head fixing     N     8       Switch fixing     N     2.5				
Industry     thermoplastic       Key shape     Straight "T"       Contact characteristics     action       Type of contact     1NO+1NC Slow action       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     II       Short-circuit protection with fuse     Class/A     10 gG/SC QUICK FUSE       Switching speed     min     m/s     0.5       Mechanical life     cycles     100000       Operations     module     cycles     100000       B10d     cycles     100000     0       Mechanical life     cycles     100000       Mechanical life     cycles     1.8       Tig	General characteristics			
Key shape       Straight "T"         Contact characteristics       1NO+1NC Slow action         Type of contact       1NO+1NC 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 Uimp       kV       6         Insulation class       II       II         Short-circuit protection with fuse       Class/A       10 gG/SC QUICK FUSE         Switching speed       max       m/s       1.5         IEC Conventional free air thermal current lth       A       10         Resistance per pole (average value)       mΩ       <10	Housing Material			
Contact characteristics       INO+1NC Slow action         Type of contact       INO+1NC Slow action         Thermal current lth       A       10         IEC/EN 60947-5-1 designation       A 600 Q600         Rated insulation voltage Uin       V       690         Rated insulation voltage Uinp       kV       6         Insulation class       II       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         Resistance per pole (average value)       mQ       <10				
Type of contact         INC+1NC Slow action           Thermal current lth         A         10           IEC/EN 60947-5-1 designation         A600 Q600           Rated insulation voltage Ui         V         690           Rated inpulse withstand voltage Uimp         kV         6           Insulation class         II         10 gG/SC QUICK FUSE           Switching speed         II         10 gG/SC QUICK FUSE           Switching speed         min         m/s         0.5           EC Conventional free air thermal current lth         A         10           Resistance per pole (average value)         mQ         <10				Straight
Type of contact         action           Thermal current lth         A         10           IEC/EN 60947-5-1 designation         A 6600 Q600           Rated insulation voltage Ui         V         690           Rated insulation voltage Ui         V         690           Rated insulation voltage Ui         V         690           Short-circuit protection with fuse         Class/A         10 gG/SC           Switching speed         min         m/s         0.5           max         m/s         1.5         15           IEC Conventional free air thermal current lth         A         10           Resistance per pole (average value)         mQ         <10	Contact characteristics			1NO+1NC Slow
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       Insulation voltage Uimp       kV         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	Type of contact			
IEC/EN 60947-5-1 designation       A600 Q600         Rated insulation voltage Ui       V       690         Rated inpulse withstand voltage Uimp       kV       6         Insulation class       II       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 Ith       A       10         Resistance per pole (average value)       mQ       <10	Thermal current Ith		Α	
Rated insulation voltage Ui       V       690         Rated impulse withstand voltage Uimp       kV       6         Insulation class       II       10 gG/SC QUICK 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)       mΩ       <10				
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)       mΩ       <10			V	
Short-circuit protection with fuse       Class/A       10 gG/SC QUICK FUSE         Switching speed       min max       m/s       0.5 max         IEC Conventional free air thermal current lth       A       10         Resistance per pole (average value)       mΩ       <10			kV	6
Silicitedical protection with ruse Class/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 Operations  Mechanical life cycles 100000 B10d cycles 100000 Mechanical operation cycles/h 3600 Output characteristics  Mechanical life cycles 100000 Mechanical features  Operating head fixing  Operating torque N 8 Ib 1.8 Tightening torque (Max)  Switch fixing  Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8	Insulation class			II
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 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
Operations       Cycles       100000         B10d       cycles       100000         Mechanical operation       cycles/h       3600         Output characteristics       Wechanical life       cycles       100000         Mechanical life       cycles       100000       Mechanical life       cycles       100000         Mechanical life       cycles       100000       Mechanical life       cycles       100000         Mechanical life       cycles       100000       Mechanical life       cycles       100000         Operating head fixing       Locking bayonet insert       Insert       Insert       Ibin 38         Operating torque       N       8       Ib       1.8         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	IEC Conventional free air thermal current Ith		А	10
Mechanical life       cycles       100000         B10d       cycles       100000         Mechanical operation       cycles/h       3600         Output characteristics       mechanical life       cycles       100000         Mechanical features       cycles       100000         Operating head fixing       Locking bayonet insert       Ib       1.8         Operating torque       N       8       Ib       1.8         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			mΩ	<10
B10d       cycles       100000         Mechanical operation       cycles/h       3600         Output characteristics       mechanical life       cycles       100000         Mechanical features       use of the second sec				
Mechanical operation       cycles/h       3600         Output characteristics       Mechanical life       cycles       10000         Mechanical features       Locking bayonet insert       insert         Operating head fixing       Locking bayonet insert       Ib       1.8         Tightening torque (Max)       Switch fixing       Nm       2.5         Ibin       22.1       Contact terminals       Nm       0.8         Body lid screw fixing       Nm       0.8       Ibin       7			-	
Output characteristics         Mechanical life       cycles       100000         Mechanical features       Locking bayonet insert         Operating head fixing       Locking bayonet insert         Operating torque       N       8         Tightening torque (Max)       Switch fixing       Nm       2.5         Ibin       22.1       Contact terminals       Nm       0.8         Body lid screw fixing       Nm       0.8       10000			-	
Mechanical life       cycles       100000         Mechanical features       Locking bayonet insert         Operating head fixing       Locking bayonet insert         Operating torque       N       8         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       100			cycles/h	3600
Mechanical features       Locking bayonet insert         Operating head fixing       Locking bayonet insert         Operating torque       N       8         Ib       1.8         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				40000
Operating head fixing       Locking bayonet insert         Operating torque       N       8         Ib       1.8       1b         Tightening torque (Max)       Switch fixing       Nm       2.5         Ibin       22.1       1bin       22.1         Contact terminals       Nm       0.8         Ibin       7       1bin       7         Body lid screw fixing       Nm       0.8			cycles	100000
Operating nead fixing insert       Operating torque     N     8       Ib     1.8       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	Mechanical features			
N 8 Ib 1.8 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				
Ib       1.8         Tightening torque (Max)       Switch fixing         Switch fixing       Nm         Ibin       22.1         Contact terminals       Nm         Ibin       7         Body lid screw fixing       Nm         Nm       0.8         Ibin       7	Operating torque		Ν.	0
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				
Switch fixing Nm 2.5 Ibin 22.1 Contact terminals Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8	Tightoning torque (Max)		ai	ι.ŏ
Nm       2.5         Ibin       22.1         Contact terminals       Nm       0.8         Ibin       7         Body lid screw fixing       Nm       0.8         Nm       0.8				
Ibin     22.1       Contact terminals     Nm     0.8       Ibin     7       Body lid screw fixing     Nm     0.8	Switch lixing		Nm	25
Contact terminals Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8				
Nm       0.8         Ibin       7         Body lid screw fixing       Nm       0.8	Contact terminals			
Ibin     7       Body lid screw fixing     Nm     0.8			Nm	0.8
Body lid screw fixing Nm 0.8				
Nm 0.8	Body lid screw fixing			
			Nm	0.8
			lbin	

## Conductor section

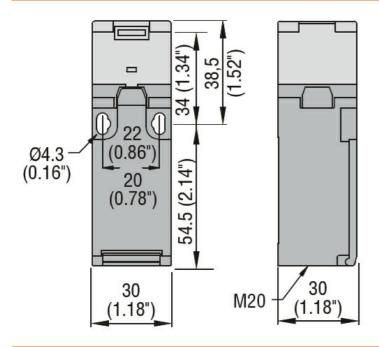
KBN3L11



KBN3L11 INTERRUPTEURS DE POSITION A CLÉ À LANGUETTE CONTACTS1NO+1NC DÉPENDANT CLÉ ""T"" DROITE

	AWG/Kcmil			
		min		16
		max		14
	IEC			
		min	mm²	1or 2
		max	mm²	2.5
Cable connection				Self-releasing screw terminal
Cable entry				M20 on the bottom
Weight			g	92
Ambient conditions				
Pollution degree				3
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+70
	Storage temperature			
		min	°C	-40
		max	°C	+70

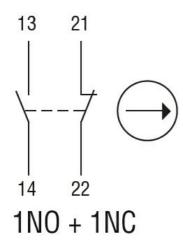
## Dimensions



Wiring diagrams



Slow action



Certifications and	l 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 classificatio	n	
		EC000030 - End

ETIM 8.0

EC000030 - End switch