# LIMIT SWITCH, K SERIES, HINGE OPERATING, 1 BOTTOM CABLE ENTRY. DIMENSIONS TO EN 50047, METAL BODY, CONTACTS 1NO+1NC SLOW ACTION. LONG SOLID SHAFT

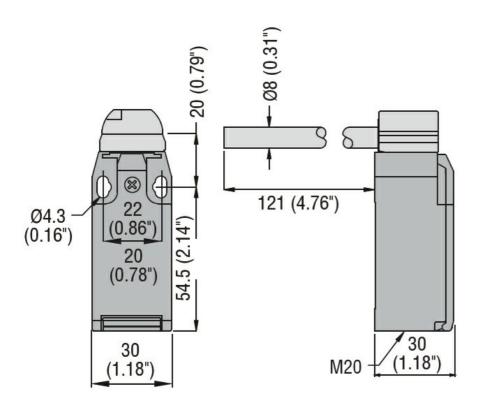


Product type designation         KMP           General characteristics         General characteristics           Housing Material         Aluminium-zinalloy           Rod material         Long solid           Contact characteristics           Type of contact         1NO+1NC SI action           Thermal current Ith         A 10           IEC/EN 60947-5-1 designation         A 300 Q300           Rated insulation voltage Ui         V 440           Rated impulse withstand voltage Uimp         kV 4           Short-circuit protection with fuse         Class/A QUICK FUSE           Switching speed         min m/s         0.5 max m/s           IEC Conventional free air thermal current Ith         A 10           Resistance per pole (average value)         mΩ         <10					
Ceneral characteristics   Ceneral charact	Product designation				Hinge operating
Content   Cont	7.				KMP
Housing Material   Housing Material   Housing Material   Housing Material   Long solid   Long					
Rousing Material   Long solid   Contact   Long solid   Contact   Long solid   Contact   Conta	General characteristics				
Rod material   Long solid   Contact characteristics   Type of contact   Suction   Thermal current lth   A   10   Contact	Housing Material				Aluminium-zinc alloy
Type of contact	Rod material				•
Type of contact	Contact characteristics				<u> </u>
EC/EN 60947-5-1 designation	Type of contact				1NO+1NC Slow action
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 Ith         A         10         10           Resistance per pole (average value)         mΩ         <10	Thermal current Ith			Α	10
Rated impulse withstand voltage Uimp         kV         4           Short-circuit protection with fuse         Class/A         10 gG/SC QUICK FUSE QUICK FUS	IEC/EN 60947-5-1 des	ignation			A300 Q300
Short-circuit protection with fuse   Class/A   Class/A   Class/A   Cluss/C   CuliCK FUSE   CuliCK		-		V	440
Switching speed   min m/s	Rated impulse withstar	d voltage Uimp		kV	4
Min min m/s	Short-circuit protection	with fuse		Class/A	10 gG/SC QUICK FUSE
EC Conventional free air thermal current Ith         max         m/s         1.5           Resistance per pole (average value)         mΩ         -10           Operations         cycles         100000           Mechanical life         cycles         100000           Mechanical operation         cycles         100000           Mechanical life         cycles         100000           Mechanical life         cycles         100000           Mechanical features         Locking bayon insert           Operating head fixing         Ncm         15           Operating torque         Ncm         15           Tightening torque (Max)         Switch fixing         Nm         2.5           Ibin         2.2.1           Contact terminals         Nm         0.8           Body lid screw fixing         Nm         0.8           Nm         0.8         Nm           Nm         0.8 <td>Switching speed</td> <td></td> <td></td> <td></td> <td></td>	Switching speed				
EC Conventional free air thermal current lth Resistance per pole (average value) mΩ <10   Coperations   Cycles   100000   Cycles   1000			min	m/s	0.5
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         Locking bayon insert           Operating head fixing         locking bayon insert           Operating torque         Ncm         15           ozin         21.2           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           Nm         0.8         Ibin         7			max	m/s	1.5
Operations           Mechanical life         cycles         100000           B10d         cycles         100000           Mechanical operation         cycles/h         3600           Output characteristics           Mechanical life         cycles         100000           Mechanical features           Operating head fixing         Locking bayon insert           Operating torque           Ncm         15           ozin         21.2           Tightening torque (Max)           Switch fixing           Nm         2.5           lbin         22.1           Contact terminals           Nm         0.8           lbin         7           Body lid screw fixing           Nm         0.8           lbin         7	IEC Conventional free	air thermal current Ith		Α	10
Mechanical life         cycles         100000           B10d         cycles         100000           Mechanical operation         cycles/h         3600           Output characteristics           Mechanical life         cycles         100000           Mechanical features           Deprating head fixing         Locking bayon insert           Operating torque           Norm         15           ozin         21.2           Tightening torque (Max)           Switch fixing           Nm         2.5           lbin         22.1           Contact terminals           Nm         0.8           lbin         7           Body lid screw fixing           Nm         0.8           lbin         7	Resistance per pole (a	verage value)		$m\Omega$	<10
B10d   cycles   100000	Operations				
Mechanical operation         cycles/h         3600           Output characteristics         Mechanical life         cycles         100000           Mechanical features         Locking bayon insert           Operating head fixing         Ncm         15         20         15         20         21.2         12	Mechanical life			cycles	100000
Output characteristics           Mechanical life         cycles         100000           Mechanical features           Operating head fixing         Locking bayon insert           Operating torque         Ncm         15           Ncm         21.2           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	B10d			cycles	100000
Mechanical life         cycles         100000           Mechanical features         Locking bayon insert           Operating head fixing         Ncm 15 ozin 21.2           Operating torque         Ncm 2.5 lbin 22.1           Tightening torque (Max)         Nm 2.5 lbin 22.1           Contact terminals         Nm 0.8 lbin 7           Body lid screw fixing         Nm 0.8 lbin 7	· · · · · · · · · · · · · · · · · · ·			cycles/h	3600
Mechanical features           Operating head fixing         Locking bayon insert           Operating torque         Ncm 15 ozin 21.2           Tightening torque (Max)         Nm 2.5 lbin 22.1           Contact terminals         Nm 0.8 lbin 7           Body lid screw fixing         Nm 0.8 lbin 7					
Operating head fixing         Locking bayon insert           Operating torque           Ncm 15 ozin 21.2           Tightening torque (Max)           Switch fixing           Nm 2.5 lbin 22.1           Contact terminals         Nm 0.8 lbin 7           Body lid screw fixing         Nm 0.8 lbin 7				cycles	100000
Operating head fixing   Insert	Mechanical features				
Ncm   15   ozin   21.2	Operating head fixing				Locking bayonet insert
Tightening torque (Max)   Switch fixing   Nm   2.5     Ibin   22.1	Operating torque				
Switch fixing   Nm   2.5				Ncm	15
Nm   2.5				ozin	21.2
Nm   2.5	Tightening torque (Max				
Ibin   22.1		Switch fixing			
Contact terminals  Nm 0.8 Ibin 7  Body lid screw fixing  Nm 0.8 Ibin 7					
Nm   0.8				lbin	22.1
Body lid screw fixing  Nm 0.8 Ibin 7		Contact terminals			
Body lid screw fixing  Nm 0.8  Ibin 7					
Nm 0.8 Ibin 7				lbin	7
lbin 7		Body lid screw fixing			
Conductor section	<u> </u>			Ibin	1
ANAC (Kornil	Conductor section	ANA/O///:I			

AWG/Kcmil

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		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
Ambient conditions				
Pollution degree				3
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+70
	Storage temperature			
		min	°C	-40
		max	°C	+70
Dimensions				

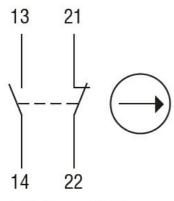


### Wiring diagrams

**ENERGY AND AUTOMATION** 

LIMIT SWITCH, K SERIES, HINGE OPERATING, 1 BOTTOM CABLE ENTRY. DIMENSIONS TO EN 50047, METAL BODY, CONTACTS 1NO+1NC SLOW ACTION. LONG SOLID SHAFT

## Slow action



## 1NO + 1NC

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

ETIM 8.0 EC000030 - End switch