



Product designation			Top push rod plunger
Product type designation			KMA
General characteristics			
Material			Aluminium-zinc
	Housing		alloy
	Dad		Aluminium-zinc
	Rod		alloy
Contact characteristics			
Type of contact			2NO Slow action
Thermal current Ith		Α	10
IEC/EN 60947-5-1 designation			A300 Q300
Rated insulation voltage Ui		V	440
Rated impulse withstand voltage Uimp		kV	4
Insulation class			
Short-circuit protection with fuse		Class/A	10 gG/SC QUICK FUSE
Switching speed			0 F
	min	m/s m/s	0.5 1.5
IEC Conventional free air thermal current	t Ith	A	10
Resistance per pole (average value)		mΩ	<10
Mechanical features		11132	
			Locking bayone
Operating head fixing			insert
Operating torque			
		Ν	5
		lb	1.1
Tightening torque (Max)			
Switch fixing			- <b>-</b>
		Nm	2.5
Contact termine		lbin	22.1
Contact termina	5	Nm	0.8
		lbin	7
Body lid screw	ixina		1
		Nm	0.8
		lbin	7
Conductor section			
AWG/Kcmil			
	min		16
	max		14
IEC			
	min	mm²	1or 2
	max	mm²	2.5

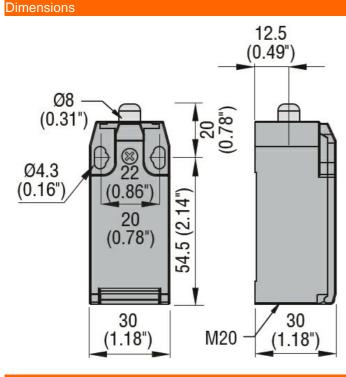
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



ENERGY AND AUTOMATION

## **KMA1L20** LIMIT SWITCH, K SERIES, TOP PUSH ROD PLUNGER, 1 BOTTOM CABLE ENTRY. DIMENSIONS TO EN 50047, METAL BODY, CONTACTS 2NO SLOW ACTION. METAL PLUNGER

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 temperat	e		
	min	°C	-25
	max	°C	+70
Storage temperatur			
	min	°C	-40
	max	°C	+70
Resistance & Protection			
P degree			
	Terminals		IP20
	Body housing		IP65
Pollution degree			3

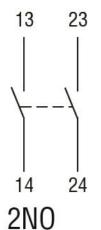


Wiring diagrams



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## Slow action



Certifications and cor	npliance	
Compliance		
	CSA C22.2 n° 14	
	EN 50047	
	IEC/EN 60204-1	
	IEC/EN 60947-1	
	IEC/EN 60947-5-1	
	UL508	
Certificates		
	202	
	cULus	
	EAC	
ETIM classification		
ETIM 8.0		EC000030 - End switch