Lovato electric
ENERGY AND AUTOMATION

LIMIT SWITCH, K SERIES, KEY OPERATED, 1 BOTTOM CABLE ENTRY. DIMENSIONS TO EN 50047, PLASTIC BODY, CONTACTS 3NC SLOW ACTION. ANGLED "T" KEY

Product designation		Key operated
Product type designation		KBN
General characteristics		
General characteristics		
Housing Material		Polymer thermoplastic
Key shape		Angled "T"
Contact characteristics		
Type of contact		3NC Slow action
Thermal current Ith	A	10
IEC/EN 60947-5-1 designation		A600 Q600
Rated insulation voltage Ui	V	690
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 Ith	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		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
	Ibin	7
Conductor section		
AWG/Kcmil		

KBN4L03

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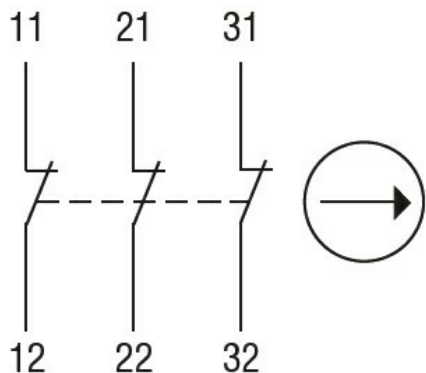
	min		16
	max		14
IEC			
	min	mm²	1or 2
	max	mm²	2.5
Cable connection			Self-releasing screw terminal
Cable entry			M20 on the bottom
Weight		g	96

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

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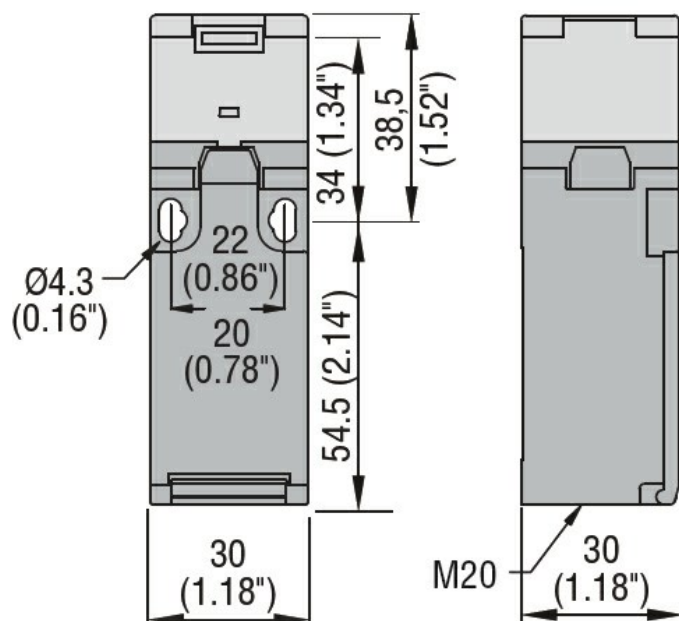
Slow action

3NC

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