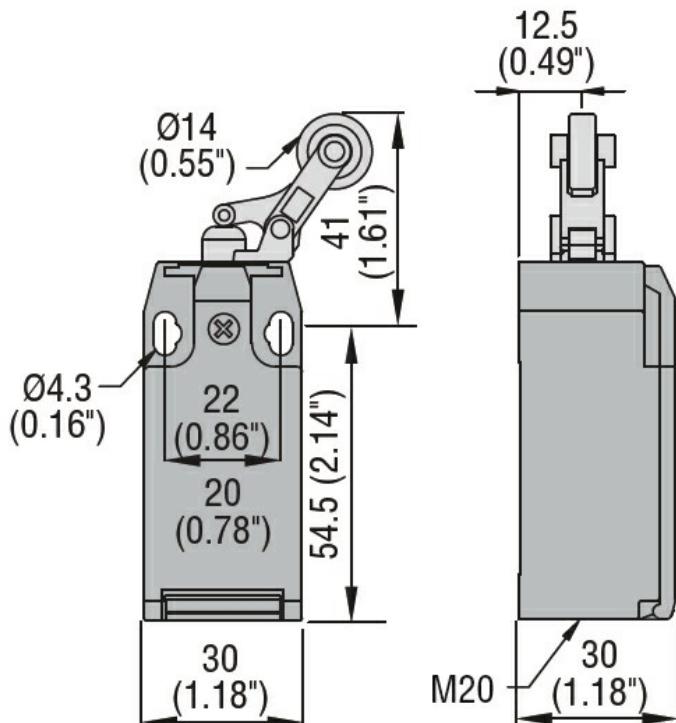# KBD2A11

LIMIT SWITCH, K SERIES, ROLLER SIDE PUSH LEVER, 1 BOTTOM CABLE ENTRY. DIMENSIONS TO EN 50047, PLASTIC BODY, CONTACTS 1NO+1NC SLOW ACTION MAKE BEFORE BREAK. METAL ROLLER

Lovato electric
ENERGY AND AUTOMATION

Product designation			Roller side push lever
Product type designation			KBD
General characteristics			
Material			
		Housing	Polymer thermoplastic
		Roller	Metal
Contact characteristics			
Type of contact			2NC Slow action make before break
Thermal current Ith		A	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
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
Mechanical features			
Operating head fixing			Locking bayonet insert
Operating torque			
		N	6
		lb	1.34
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
Conductor section			
	AWG/Kcmil		
		min	16
		max	14
	IEC		
		min mm²	1or 2

KBD2A11

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
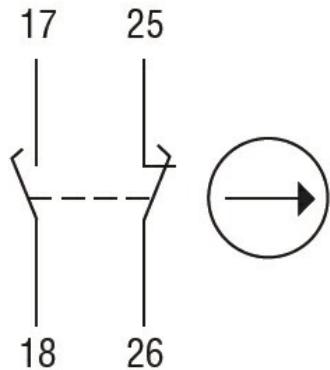
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LIMIT SWITCH, K SERIES, ROLLER SIDE PUSH LEVER, 1 BOTTOM CABLE ENTRY. DIMENSIONS TO EN 50047, PLASTIC BODY, CONTACTS 1NO+1NC SLOW ACTION MAKE BEFORE BREAK. METAL ROLLER

		max	mm²	2.5
Cable connection				Self-releasing screw terminal
Cable entry				M20 on the bottom

Operations

Mechanical life			cycles	<10000000
Mechanical operation			cycles/h	3600

Ambient conditions

Temperature

Operating temperature				
		min	°C	-25
		max	°C	+70
Storage temperature				
		min	°C	-40
		max	°C	+70

Resistance & Protection

IP degree

	Terminals		IP20
	Body housing		IP65
Pollution degree			3

Dimensions

Wiring diagrams

KBD2A11

LIMIT SWITCH, K SERIES, ROLLER SIDE PUSH LEVER, 1 BOTTOM CABLE ENTRY.
DIMENSIONS TO EN 50047, PLASTIC BODY, CONTACTS 1NO+1NC SLOW ACTION MAKE
BEFORE BREAK. METAL ROLLER

Slow action

17   25

18   26

1NO + 1NC
make before break

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