**ENERGY AND AUTOMATION** 

## LIMIT SWITCH, K SERIES, ROLLER SIDE PUSH LEVER, 2 SIDE CABLE ENTRY. DIMENSIONS COMPATIBLE TO EN 50047, METAL BODY, CONTACTS 1NO+1NC SNAP ACTION. PLASTIC ROLLER



Product type designation  General characteristics	Roller side push lever
	KND
Material	
Housing	Aluminium-zinc
•	alloy
Roller	Metal
Contact characteristics	4NO : 4NO Co
Type of contact	1NO+1NC Snap action
Thermal current lth A	10
IEC/EN 60947-5-1 designation	A300 Q300
Rated insulation voltage Ui V	440
Rated impulse withstand voltage Uimp kV	4
Short-circuit protection with fuse Class/	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) $m\Omega$	<10
Mechanical features	
Mechanical features  Operating head fixing	Locking bayonet insert
Operating head fixing	
Operating head fixing Operating torque	insert
Operating head fixing Operating torque N	insert 6
Operating head fixing  Operating torque  N Ib  Tightening torque (Max)  Switch fixing	6 1.34
Operating head fixing  Operating torque  N Ib  Tightening torque (Max)  Switch fixing  Nm	insert  6 1.34  2.5
Operating head fixing Operating torque  N Ib Tightening torque (Max) Switch fixing Nm Ibin	6 1.34
Operating head fixing  Operating torque  N Ib  Tightening torque (Max) Switch fixing Nm Ibin Contact terminals	insert  6 1.34  2.5 22.1
Operating head fixing  Operating torque  N Ib  Tightening torque (Max)  Switch fixing  Nm Ibin  Contact terminals	insert  6 1.34  2.5 22.1  0.8
Operating head fixing  Operating torque  N Ib  Tightening torque (Max)  Switch fixing  Nm Ibin  Contact terminals  Nm Ibin	insert  6 1.34  2.5 22.1
Operating head fixing  Operating torque  N Ib  Tightening torque (Max)  Switch fixing  Nm Ibin  Contact terminals  Nm Ibin  Body lid screw fixing	insert  6 1.34  2.5 22.1  0.8 7
Operating head fixing  Operating torque  N Ib  Tightening torque (Max)  Switch fixing  Nm Ibin  Contact terminals  Nm Ibin  Body lid screw fixing	insert  6 1.34  2.5 22.1  0.8 7
Operating head fixing  Operating torque  N Ib  Tightening torque (Max) Switch fixing Nm Ibin  Contact terminals Nm Ibin  Body lid screw fixing Nm Ibin	insert  6 1.34  2.5 22.1  0.8 7
Operating head fixing  Operating torque  N Ib  Tightening torque (Max) Switch fixing Nm Ibin  Contact terminals Nm Ibin  Body lid screw fixing Nm Ibin  Conductor section	insert  6 1.34  2.5 22.1  0.8 7
Operating head fixing Operating torque  N Ib  Tightening torque (Max) Switch fixing Nm Ibin Contact terminals Nm Ibin Body lid screw fixing Nm Ibin Conductor section  AWG/Kcmil	insert  6 1.34  2.5 22.1  0.8 7  0.8 7
Operating head fixing Operating torque  N Ib  Tightening torque (Max) Switch fixing Nm Ibin Contact terminals Nm Ibin Body lid screw fixing Nm Ibin Conductor section AWG/Kcmil	insert  6 1.34  2.5 22.1  0.8 7  0.8 7
Operating head fixing Operating torque  N Ib  Tightening torque (Max) Switch fixing Nm Ibin Contact terminals Nm Ibin Body lid screw fixing Nm Ibin Conductor section  AWG/Kcmil	insert  6 1.34  2.5 22.1  0.8 7  0.8 7

mm<sup>2</sup>

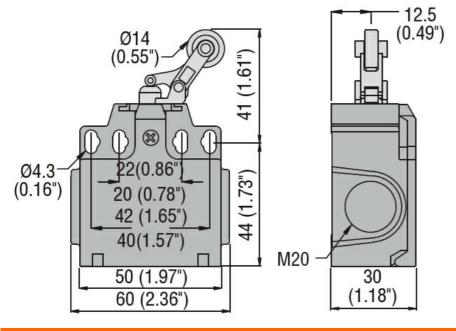
max

2.5

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Cable connection			Self-releasing
			screw terminal
Cable entry			M20 on the sides
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	, c		3
Dimensions			

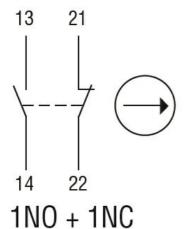


Wiring diagrams

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## Snap action



## Certifications and compliance

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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