

Do you need simplicity in  
your limit switches?

Experience the  
easy to use  
XCKN limit switch.



Schneider Electric's XCKN limit switches offer a compact, cost-effective, reliable solution for many light-duty repetitive applications that don't require modular limit switches.

#### **Economical!**

This product was designed with original equipment manufacturers in mind. Sold in boxes of 20, this product offers a more economical price point and is available worldwide.

#### **Robust!**

Capable of up to 10 million operations, the XCKN limit switch (standard EN50047 format) has an IP65 enclosure rating (dust tight and can handle jetting water, any direction) and has a mechanical shock resistance conforming to IEC 60068-2-27. This limit switch conforms to IEC, UL, CSA and CCC and carries the CE mark.

#### **Reliable!**

Featuring electrically separated contact poles and positive opening contact operation, the XCKN limit switch line helps to assure proper machine detection.

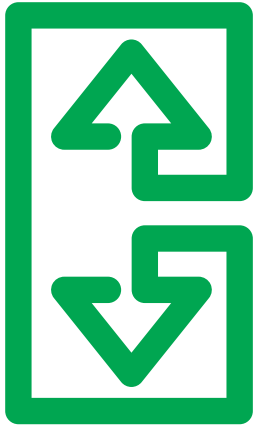
#### **Typical areas of application:**

- Presence/absence of moving objects
- Positioning and travel limits
- Objects passing/counting

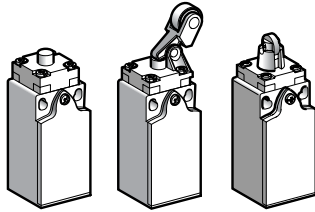
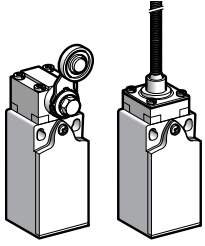
#### **Well suited for use in:**

- Light-duty repetitive machines
- Light-duty specialty machines
- Elevators
- Escalators
- Waste disposal equipment
- Assembly machines
- Material handling
- Conveyance

**Schneider**  
Electric



## Specifications:

		
	Head for linear movement (plunger) and one cable entry conforming to CENELEC EN 50047. Other heads available.	Head for rotary movement (lever) or multi-directional and one cable entry conforming to CENELEC EN 50047. Other heads available.
Environmental characteristics		
Conforming to standards	<b>Products:</b> IEC 60947-5-1, EN 60947-5-1, UL 508, CSA C22-2 n° 14	
	<b>Machine assemblies:</b> IEC 60204-1, EN 60204-1	
Product certifications*	UL, CSA, CCC	
Protective treatment*	"TC"	
Ambient air temperature	<b>Operation:</b> -25°C to +70°C (-32°F to +21°F)	
	<b>Storage:</b> -40°C to +70°C (-40°F to +21°F)	
Vibration resistance (conforming to IEC 60068-2-6)	25G (10 to 500Hz) <b>Except:</b> XCKN●●08, 10gn; XCKN2●●39 and XCKN●●49, 15gn.	
Shock resistance (conforming to IEC 60068-2-27)	50gn (11ms) <b>Except:</b> XCKN2p49●● and XCKN●●39, 15gn; XCKN2●08●●, 20gn; XCKN2●45●●, 35gn.	
Electric shock protection	Class II conforming to IEC 61140 and NF C 20030	
Degree of protection	IP 65 conforming to IEC 60529; IK 04 conforming to EN 50102	
Cable entry (depending on model)	Tapped entry for ISO M20 x 1.5 cable gland, Pg 11 cable gland, ISO M16 x 1.5 or PF 1/2 (G 1/2) cable entry (1/2" NPT adapter available)	
Material	<b>Bodies:</b> Plastic	
	<b>Heads:</b> Plastic	
Contact block characteristics		
Rated operational characteristics	~ AC-15; A300 (Ue = 240V, Ie = 3A); Ithe = 10A = DC-13; R300 (Ue = 250V, Ie = 0.1A) conforming to IEC 60947-5-1 Appendix A, EN 60947-5-1	
Rated insulation voltage	Ui = 500V degree of pollution, 3 conforming to IEC 60947-1 Ui = 300V conforming to UL 508, CSA C22-2 n° 14	
Rated impulse withstand voltage	U imp = 6kV conforming to IEC 60947-1, IEC 60664	
Positive operation (depending on model)	N.C. contacts with positive opening operation conforming to IEC 60947-5-1 Appendix K, EN 60947-5-1	
Resistance across terminals	≤ 25mΩ conforming to NF C 93-050 Method A or IEC 60255-7 Category 3	
Short-circuit protection	10A cartridge fuse Type gG (gl) (supplied by the user)	
Cabling Screw clamp terminals	Clamping capacity: minimum, 1.0 x 0.34mm <sup>2</sup> ; maximum, 2.0 x 1.5mm <sup>2</sup>	
*Standard version		

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