

# LL5XCMN Limit Switch 行程开关



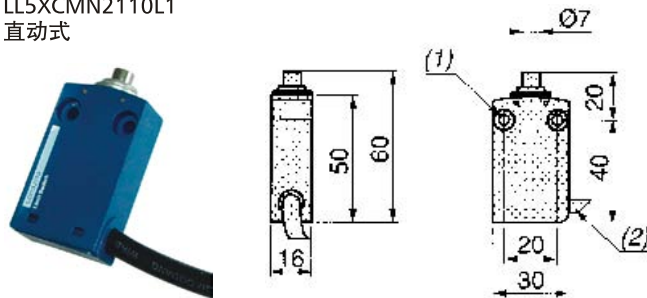
该系列小型限位开关，外壳由特殊强化的塑料组成，开关具有体积小、外形美观，选用塑料材质为开关本体，具有双重绝缘功能，头部、本体和连接部件模块化，可互换，任意角度可调，带线缆密封管进线及快速连接器，触点模式有：NC+NO; NC+NC。

The cover of the limit switch is made of reinforced plastic. Adopted by the advanced technique brought in from France, complied with EN50047 standard. This switch has a smart volume with beautiful appearance. It chooses the plastic material and owns the function of double insulated. The head, body and connection part can be exchanged. Which is convenient to be connected. Control circuit mode: NC+NO; NC+NC.

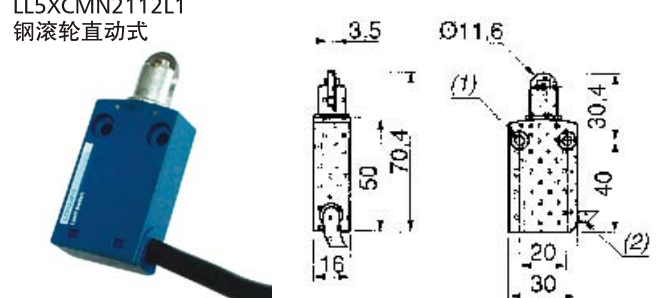
额定电压 rated voltage (V)	无诱导负荷(A) without induced load(A)				诱导负荷(a) induced load(a)			
	抵抗负荷 resisting load		不抵抗负荷 non-resisting load		诱导负荷 induced load		电动机负荷 load	
	常闭 NC	常开 NO	常闭 NC	常开 NO	常闭 NC	常开 NO	常闭 NC	常开 NO
AC125 250	5(0.1) 5		1.5 0.7 1 0.5		3 2		2.5 1.3 1.5 0.8	
DC 8 14 30 125 250	5(0.1) 5(0.1) 4(0.1) 0.4 0.2		2 2 2 0.05 0.03		5 4 3 0.4 0.2		4 4 3 0.05 0.03	

型号mode	LL5XCMN2110L1 LL5XCMN2112L1	LL5XCMN2103L1 LL5XCMN21F0L1	LL5XCMN2121L1	LL5XCMN2107L1 LL5XCMN2106L1	LL5XCMN21F2L1 LL5XCMN21F3L1	LL5XCMN2151L1 LL5XCMN2145L1 LL5XCMN2159L1
动作特性 operation speciality						
OF 最大(max)	500g	500g	580g	580g	500g	580g
RF 最小(min)	100g	100g	150g	150g	100g	150g
PT 最大(max)	1mm	1mm	1mm	25°	1mm	25°
OT 最小(min)	4mm	4mm	4mm	40°	4mm	40°
MD 最大(max)	0.12mm	0.12mm	0.12mm	3mm	0.12mm	3mm
OP	28.5 ± 1mm	28.5 ± 1mm	33.2 ± 1mm	-	44.2 ± 1mm	-
TT	5mm	5mm	5mm	5mm	5mm	5mm

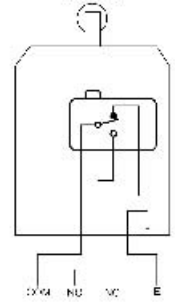
LL5XCMN2110L1  
直动式



LL5XCMN2112L1  
钢滚轮直动式



## 接触形式Contact type



防护等级protection degree	IP67	
寿命 life	机械的mechanical	1,000万次以上ten million times above
	电气的electrical	20万次以上 two hundred thousand times above
操作速度operation speed	0.1mm~0.5m/s 1mm~1m/s	
操作频率 operation frequency	机械的mechanical	120次/分(times/min)
	电气的electrical	30次/分(times/min)
绝缘电阻insulation resistance	> 100MΩ(DC500V)	
接触电阻(初期值) contact resistance(Initial value)	< 300mΩ < 400mΩ	
耐电压 voltage withstand (50/60Hz1分钟)	同极端子间Between the terminals of same pole	AC 1,000V
	充电金属部间Between charged metal parts	AC 1,500V
	非充电金属部间Between non-charged metal parts	AC 1,500V
振动vibration	误动作misoperation	10-55Hz
耐冲击 impact	耐久endurance	> 1,000m/s <sup>2</sup>
	误动作misoperation	> 500m/s <sup>2</sup>
该产品可组合成多回路控制器The product can serve as multi-circuit controller		

突入电流 inrush current	常闭NC	最大(max)20A
	常开NO	最大(max)10A
使用温度 ambient operating temperature	-10~+70°C	
使用湿度 humidity	< 95%RH	