

XCKN / XCNR Compact Plastic, Non-Modular Switches

Table 21.26: XCKN Compact Plastic, Non-Modular, 30 mm Wide

OsiSense Limit Switches						
 2 pole snap action 2 pole break before make, slow break		Metal end plunger	Plastic roller plunger for lateral cam approach	Plastic roller plunger for cross cam approach	Thermoplastic roller-lever plunger	
					Horizontal actuation in 1 direction	Vertical actuation in 1 direction
Switch actuation		On end	By 30° cam			
Type of actuation						
Maximum actuation speed		0.5 m/s (1.64 ft/s)	0.3 m/s (0.99 ft/s)		0.1 m/s (3.28 ft/s)	
Minimum force of torque		For tripping	15 N (3.37 lb)	12 N (2.70 lb)	6 N (1.35 lb)	
		For positive opening	30 N (6.75 lb)	20 N (4.50 lb)	10 N (2.25 lb)	
Weight, kg (lb)		0.065 (0.143)	0.065 (0.143)	0.065 (0.143)	0.070 (0.154)	0.070 (0.154)
Ordering Information (sold in packs of 20)		Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.
2 pole N.C. + N.O. snap action		XCKN2110P20	XCKN2102P20	XCKN2103P20	XCKN2121P20	XCKN2127P20
2 pole N.C. + N.O., break before make, slow break		XCKN2510P20	XCKN2502P20	XCKN2503P20	XCKN2521P20	XCKN2527P20
2 pole N.C. + N.C. snap action		XCKN2910P20	XCKN2902P20	XCKN2903P20	XCKN2921P20	XCKN2927P20
 2 pole snap action 2 pole break before make, slow break						
		Rotary, thermoplastic roller-lever	Rotary, variable length thermoplastic roller-lever	Rotary, variable length, thermoplastic roller-lever, Ø 50 mm	Rotary, variable length, thermoplastic roller-lever, Ø 50 mm	Multi-directional, spring rod
Switch actuation		By 30° cam			By any moving part	
Type of actuation						
Maximum actuation speed		1.5 m/s (4.92 ft/s)			1 m/s (3.28 ft/s), any direction	
Minimum force of torque		For tripping	0.1 N·m (0.89 lb-in)			0.13 N·m (0.11 lb-in)
		For positive opening	0.15 N·m (1.33 lb-in)			–
Weight, kg (lb)		0.085 (0.187)	0.090 (0.198)	0.110 (0.243)	0.115 (0.254)	0.085 (0.187) / 0.075 (0.165)
Ordering Information (sold in packs of 20)		Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.
2 pole N.C. + N.O. snap action		XCKN2118P20	XCKN2145P20	XCKN2139P20	XCKN2149P20	XCKN2108P20 / XCKN2106P20
2 pole N.C. + N.O., break before make, slow break		XCKN2518P20	XCKN2545P20	XCKN2539P20	XCKN2549P20	XCKN2508P20 / XCKN2506P20
2 pole N.C. + N.C. snap action		XCKN2918P20	XCKN2945P20	XCKN2939P20	XCKN2949P20	XCKN2908P20 / XCKN2906P20

Table 21.27: XCNR Compact Plastic, Non-Modular, with Manual Reset, 30 mm Wide

 2 pole N.C. + N.O. 2 pole N.C. + N.C.							
		Metal end plunger	Plastic roller plunger	Thermoplastic roller-lever plunger		Rotary head, thermoplastic roller-lever plunger	
Switch actuation		On end	By 30° cam	Horizontal actuation in 1 direction	Vertical actuation in 1 direction		
Type of actuation							
Maximum actuation speed		0.5 m/s (1.64 ft/s)	0.3 m/s (0.99 ft/s)	0.1 m/s (3.28 ft/s)		1.5 m/s (4.92 ft/s)	
Minimum force of torque		For tripping	15 N (3.37 lb)	12 N (2.70 lb)	6 N (1.35 lb)		0.1 N·m (0.89 lb-in)
		For positive opening	30 N (6.74 lb)	20 N (4.50 lb)	10 N (2.25 lb)		0.15 N·m (1.33 lb-in)
Weight, kg (lb)		0.080 (0.18)	0.080 (0.18)	0.085 (0.19)	0.090 (0.20)	0.100 (0.22)	
Ordering Information (sold in packs of 20)		Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.	
2 pole N.C. + N.O. snap action		XCNR2110P20	XCNR2102P20	XCNR2121P20	XCNR2127P20	XCNR2118P20	
2 pole N.C. + N.O. break before make, slow break		XCNR2510P20	XCNR2502P20	XCNR2521P20	XCNR2527P20	XCNR2518P20	
2 pole N.C. + N.C. snap action		XCNR2910P20	XCNR2902P20	XCNR2921P20	XCNR2927P20	XCNR2918P20	

Table 21.28: Cable Entries and Contact Configurations

Cable entry	M20	Order with suffix P20 for 1 entry tapped to M20 x 1.5 mm for ISO cable entry. Clamping capacity 7 to 13 mm (0.28 to 0.51 in.)
	Pg 11	Replace P20 suffix with G11 suffix, 18.6 x 1.41
	1/2" NPT	Replace P20 suffix with G11 suffix. Order 1/2" NPT adapter DE91012
	Other cable entries	For other cable entries, including complete switches with ISO M16 x 1.5 or PF 1/2 (G 1/2) cable entry, please consult your local sales office.
Other contact configurations		For other 2- and 3-pole configurations, please consult your local sales office.
Function diagrams		See catalog 9006CT1007.