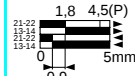
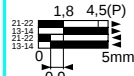
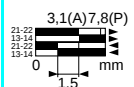
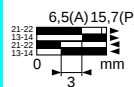
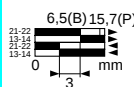
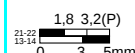
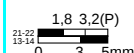
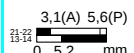
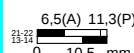
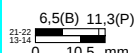
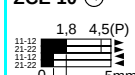
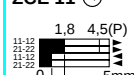
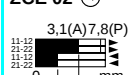
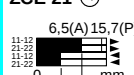
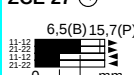
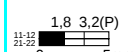
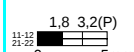
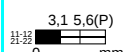
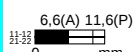
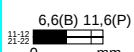
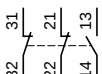
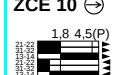
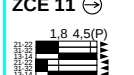
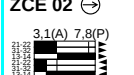
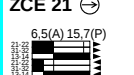
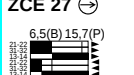
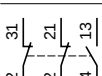
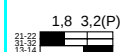
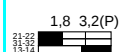
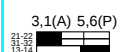
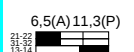
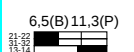


Limit switches

Osiswitch® Universal, Osiconcept®

Compact design, plastic, type XCK P

Complete units with 1 ISO M16 x 1.5 cable entry

Type of head	Plunger (fixing by the body)					
	Form B (1)		Form C (1)	Form E (1)		
						
Type of operator	Metal end plunger	Metal end plunger with elastomer boot	Steel roller plunger	Thermoplastic roller lever plunger, horizontal actuation in 1 direction	Thermoplastic roller lever plunger, vertical actuation in 1 direction	Thermoplastic roller lever plunger, horiz. or vert. actuation in 1 direction
References (2)						
	2-pole N/C + N/O snap action (XE2S P2151)	XCK P2110P16 ⊖ 	XCK P2111P16 ⊖ 	XCK P2102P16 ⊖ 	XCK P2121P16 ⊖ 	XCK P2127P16 ⊖ 
	2-pole N/C + N/O break before make, slow break (XE2N P2151)	XCK P2510P16 ⊖ 	XCK P2511P16 ⊖ 	XCK P2502P16 ⊖ 	XCK P2521P16 ⊖ 	XCK P2527P16 ⊖ 
	2-pole N/C + N/C snap action (XE2S P2141)	ZCP 29 + ZCP EP16 + ZCE 10 ⊖ 	ZCP 29 + ZCP EP16 + ZCE 11 ⊖ 	ZCP 29 + ZCP EP16 + ZCE 02 ⊖ 	ZCP 29 + ZCP EP16 + ZCE 21 ⊖ 	ZCP 29 + ZCP EP16 + ZCE 27 ⊖ 
	2-pole N/C + N/C simultaneous, slow break (XE2N P2141)	ZCP 27 + ZCP EP16 + ZCE 10 ⊖ 	ZCP 27 + ZCP EP16 + ZCE 11 ⊖ 	ZCP 27 + ZCP EP16 + ZCE 02 ⊖ 	ZCP 27 + ZCP EP16 + ZCE 21 ⊖ 	ZCP 27 + ZCP EP16 + ZCE 27 ⊖ 
	3-pole N/C + N/C + N/O snap action (XE3S P2141)	ZCP 39 + ZCP EP16 + ZCE 10 ⊖ 	ZCP 39 + ZCP EP16 + ZCE 11 ⊖ 	ZCP 39 + ZCP EP16 + ZCE 02 ⊖ 	ZCP 39 + ZCP EP16 + ZCE 21 ⊖ 	ZCP 39 + ZCP EP16 + ZCE 27 ⊖ 
	3-pole N/C + N/C + N/O break before make, slow break (XE3N P2141)	ZCP 37 + ZCP EP16 + ZCE 10 ⊖ 	ZCP 37 + ZCP EP16 + ZCE 11 ⊖ 	ZCP 37 + ZCP EP16 + ZCE 02 ⊖ 	ZCP 37 + ZCP EP16 + ZCE 21 ⊖ 	ZCP 37 + ZCP EP16 + ZCE 27 ⊖ 
Weight (kg)	0.090	0.090	0.095	0.105	0.100	0.105
Contact operation	 contact closed  contact open					
	(A)(B) = cam displacement (P) = positive opening point ⊖ N/C contact with positive opening operation					

Characteristics						
Switch actuation		On end		By 30° cam		
Type of actuation						
Maximum actuation speed		0.5 m/s		1 m/s		
Mechanical durability (in millions of operating cycles)		15		10	15	
Minimum force or torque	For tripping	15 N	12 N	6 N		
	For positive opening	45 N	36 N	18 N		
Cable entry (3)		1 entry tapped M16 x 1.5 mm for ISO cable gland, clamping capacity 4 to 8 mm				

(1) Form conforming to EN 50047, see page 31900/8.

(2) Switches with gold contacts or ring type connections: please consult our Regional Sales Office.

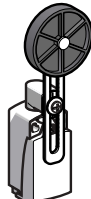
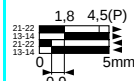
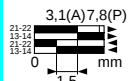
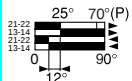
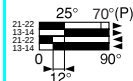
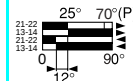
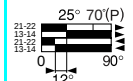
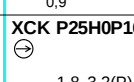
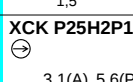
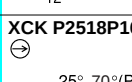
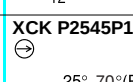
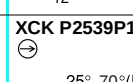
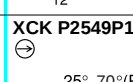
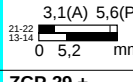
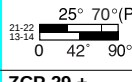
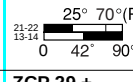
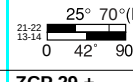
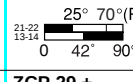
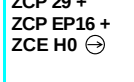
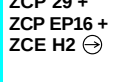
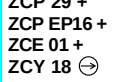
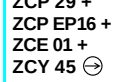
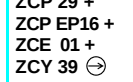
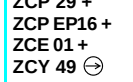
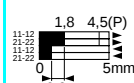
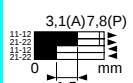
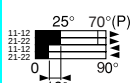
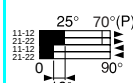
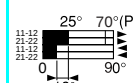
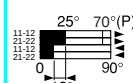
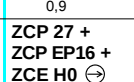
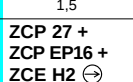
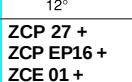
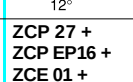
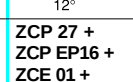
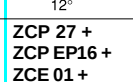
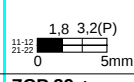
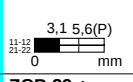
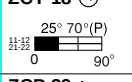
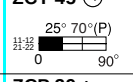
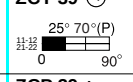
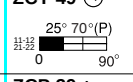
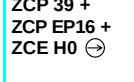
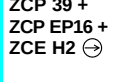
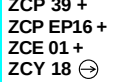
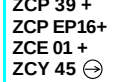
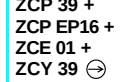
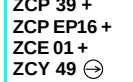
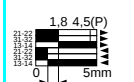
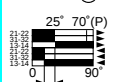
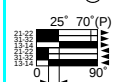
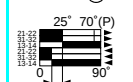
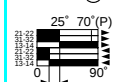
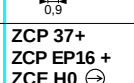
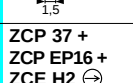
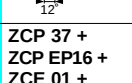
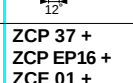
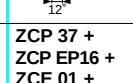
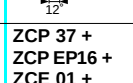
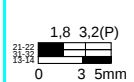
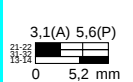
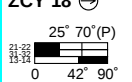
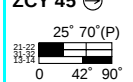
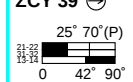
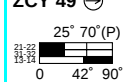
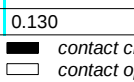
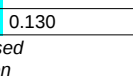
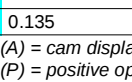
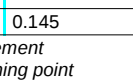
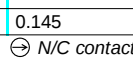
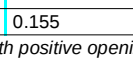
(3) For an entry tapped for a n° 11 cable gland, replace P16 in the reference by G11. Examples: XCK P2110P16 becomes XCK P2110G11, ZCP EP16 becomes ZCP EG11.

Limit switches

Osiswitch® Universal, Osiconcept®

Compact design, plastic, type XCK P

Complete units with 1 ISO M16 x 1.5 cable entry

Type of head	Plunger (fixing by the head)		Rotary (fixing by the body)				Multi-directional
			Form A (1)				
							
Type of operator	M18 with metal end plunger	M18 with steel roller plunger	Thermoplastic roller lever	Variable length thermoplastic roller lever	Thermoplastic roller lever, Ø 50 mm	Variable length thermoplastic roller lever, Ø 50 mm	"Cat's whisker" (4)
References (2)							
	2-pole N/C + N/O snap action (XE2S P2151)	XCK P21H0P16 	XCK P21H2P16 	XCK P2118P16 	XCK P2145P16 	XCK P2139P16 	XCK P2149P16 
		XCK P21H0P16 	XCK P21H2P16 	XCK P2118P16 	XCK P2145P16 	XCK P2139P16 	XCK P2149P16 
	2-pole N/C + N/O break before make, slow break (XE2N P2151)	XCK P25H0P16 	XCK P25H2P16 	XCK P2518P16 	XCK P2545P16 	XCK P2539P16 	XCK P2549P16 
		XCK P25H0P16 	XCK P25H2P16 	XCK P2518P16 	XCK P2545P16 	XCK P2539P16 	XCK P2549P16 
	2-pole N/C + N/C snap action (XE2S P2141)	ZCP 29 + ZCP EP16 + ZCE H0 	ZCP 29 + ZCP EP16 + ZCE H2 	ZCP 29 + ZCP EP16 + ZCE 01 + ZCY 18 	ZCP 29 + ZCP EP16 + ZCE 01 + ZCY 45 	ZCP 29 + ZCP EP16 + ZCE 01 + ZCY 39 	ZCP 29 + ZCP EP16 + ZCE 06 
		ZCP 29 + ZCP EP16 + ZCE H0 	ZCP 29 + ZCP EP16 + ZCE H2 	ZCP 29 + ZCP EP16 + ZCE 01 + ZCY 18 	ZCP 29 + ZCP EP16 + ZCE 01 + ZCY 45 	ZCP 29 + ZCP EP16 + ZCE 01 + ZCY 39 	ZCP 29 + ZCP EP16 + ZCE 06 
	2-pole N/C + N/C simultaneous, slow break (XE2N P2141)	ZCP 27 + ZCP EP16 + ZCE H0 	ZCP 27 + ZCP EP16 + ZCE H2 	ZCP 27 + ZCP EP16 + ZCE 01 + ZCY 18 	ZCP 27 + ZCP EP16 + ZCE 01 + ZCY 45 	ZCP 27 + ZCP EP16 + ZCE 01 + ZCY 39 	ZCP 27 + ZCP EP16 + ZCE 06 
		ZCP 27 + ZCP EP16 + ZCE H0 	ZCP 27 + ZCP EP16 + ZCE H2 	ZCP 27 + ZCP EP16 + ZCE 01 + ZCY 18 	ZCP 27 + ZCP EP16 + ZCE 01 + ZCY 45 	ZCP 27 + ZCP EP16 + ZCE 01 + ZCY 39 	ZCP 27 + ZCP EP16 + ZCE 06 
	3-pole N/C + N/C + N/O snap action (XE3S P2141)	ZCP 39 + ZCP EP16 + ZCE H0 	ZCP 39 + ZCP EP16 + ZCE H2 	ZCP 39 + ZCP EP16 + ZCE 01 + ZCY 18 	ZCP 39 + ZCP EP16 + ZCE 01 + ZCY 45 	ZCP 39 + ZCP EP16 + ZCE 01 + ZCY 39 	ZCP 39 + ZCP EP16 + ZCE 06 
		ZCP 39 + ZCP EP16 + ZCE H0 	ZCP 39 + ZCP EP16 + ZCE H2 	ZCP 39 + ZCP EP16 + ZCE 01 + ZCY 18 	ZCP 39 + ZCP EP16 + ZCE 01 + ZCY 45 	ZCP 39 + ZCP EP16 + ZCE 01 + ZCY 39 	ZCP 39 + ZCP EP16 + ZCE 06 
	3-pole N/C + N/C + N/O break before make, slow break (XE3N P2141)	ZCP 37 + ZCP EP16 + ZCE H0 	ZCP 37 + ZCP EP16 + ZCE H2 	ZCP 37 + ZCP EP16 + ZCE 01 + ZCY 18 	ZCP 37 + ZCP EP16 + ZCE 01 + ZCY 45 	ZCP 37 + ZCP EP16 + ZCE 01 + ZCY 39 	ZCP 37 + ZCP EP16 + ZCE 06 
		ZCP 37 + ZCP EP16 + ZCE H0 	ZCP 37 + ZCP EP16 + ZCE H2 	ZCP 37 + ZCP EP16 + ZCE 01 + ZCY 18 	ZCP 37 + ZCP EP16 + ZCE 01 + ZCY 45 	ZCP 37 + ZCP EP16 + ZCE 01 + ZCY 39 	ZCP 37 + ZCP EP16 + ZCE 06 
Weight (kg)	0.130	0.130	0.135	0.145	0.145	0.155	0.085
Contact operation	 contact closed  contact open		(A) = cam displacement (P) = positive opening point		⊖ N/C contact with positive opening operation		

Characteristics

Switch actuation		On end	By 30° cam			By any moving part
Type of actuation						
Maximum actuation speed		0.5 m/s		1.5 m/s		1 m/s (any direct.)
Mechanical durability		10 million operating cycles				5 million op. cycles
Minimum force or torque	For tripping	15 N	10 N	0.1 N.m		0.13 N.m
	For positive opening	45 N	36 N	0.25 N.m		–
Cable entry (3)		1 entry tapped M16 x 1.5 mm for ISO cable gland, clamping capacity 4 to 8 mm				

(1) Form conforming to EN 50047, see page 31900/8.

(2) Switches with gold contacts or ring type connections: please consult our Regional Sales Office.

(3) For an entry tapped for a n° 11 cable gland, replace P16 in the ref. by G11. Examples: XCK P21H0P16 becomes XCK P21H0G11, ZCP EP16 becomes ZCP EG11.

(4) Value taken with actuation by moving part at 100 mm from the fixings.

Dimensions

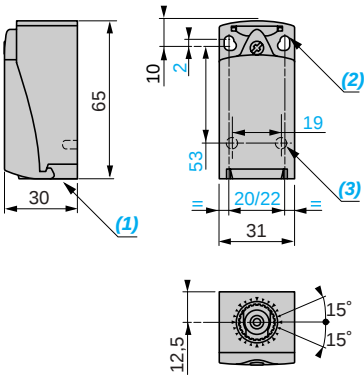
Limit switches

Osiswitch® Universal, Osiconcept®

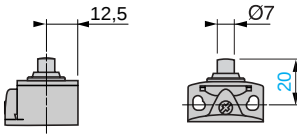
Compact design, plastic, type XCK P

Complete units with 1 ISO M16 x 1.5 cable entry

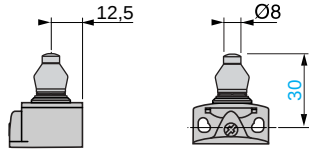
ZCP 2● + ZCP EP16 / ZCP 3● + ZCP EP16



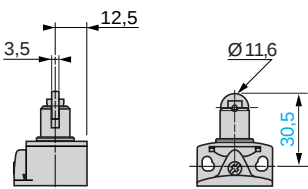
ZCE 10



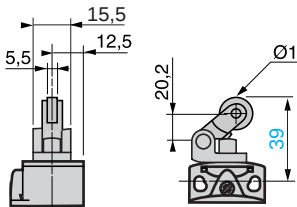
ZCE 11



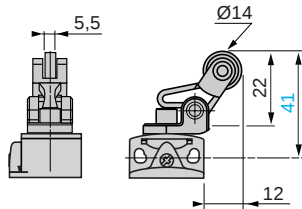
ZCE 02



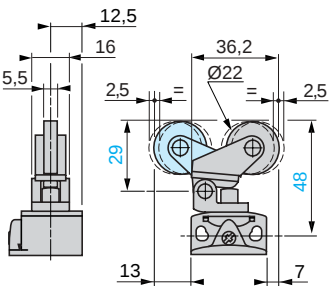
ZCE 21



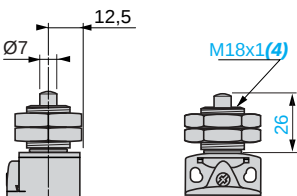
ZCE 27



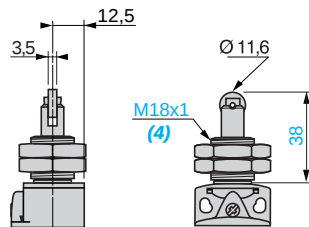
ZCE 28



ZCE H0



ZCE H2



(1) Tapped entry for ISO M16 x 1.5 or Pg 11 cable gland.

(2) 2 elongated holes $\varnothing 4.3 \times 6.3$ mm on 22 mm centres, 2 holes $\varnothing 4.3$ on 20 mm centres.

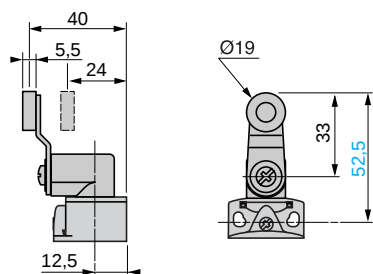
(3) 2 x Ø 3 holes for support studs, depth 4 mm.

(4) Fixing nut thickness 3.5 mm.

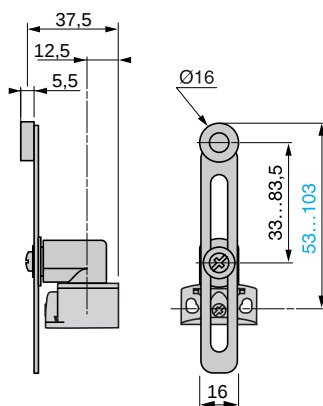
Limit switches

Osishwitch® Universal, **Osiconcept®**
Compact design, plastic, type XCK P
Complete units with 1 ISO M16 x 1.5 cable entry

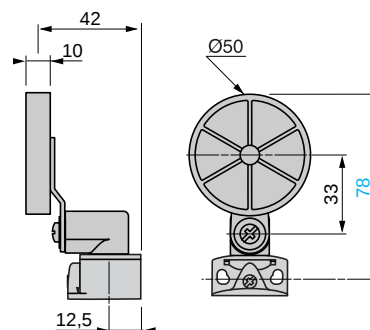
ZCE 01 + ZCY 18



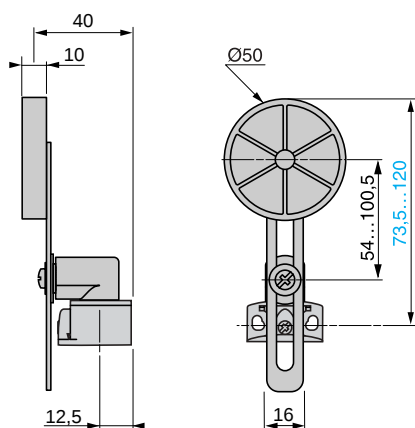
ZCE 01 + ZCY 45



ZCE 01 + ZCY 39



ZCE 01 + ZCY 49



ZCE 06

