






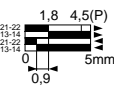

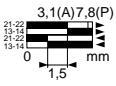
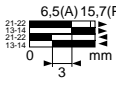
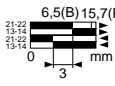
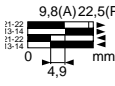

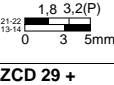
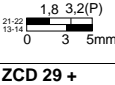
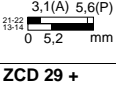
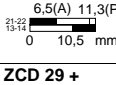
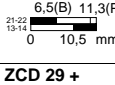
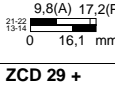

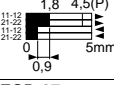
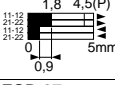
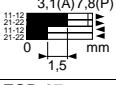
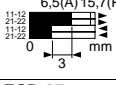
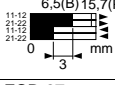
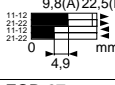

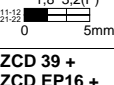
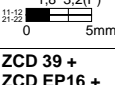



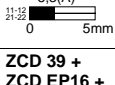


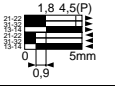
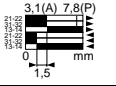


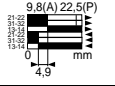

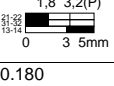
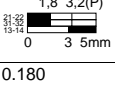
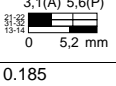
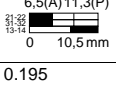
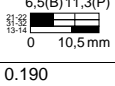








# Limit switches

Osiswitch® Universal, Osiconcept®

Compact design, metal, type XCK D

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
<b>References (2) (3)</b>						
 2-pole N/C + N/O snap action (XE2S P2151)	XCK D2110P16 	XCK D2111P16 	XCK D2102P16 	XCK D2121P16 	XCK D2127P16 	XCK D2128P16 
 2-pole N/C + N/O break before make, slow break (XE2N P2151)	XCK D2510P16 	XCK D2511P16 	XCK D2502P16 	XCK D2521P16 	XCK D2527P16 	XCK D2528P16 
 2-pole N/C + N/C snap action (XE2S P2141)	ZCD 29 + ZCD EP16 + ZCE 10 	ZCD 29 + ZCD EP16 + ZCE 11 	ZCD 29 + ZCD EP16 + ZCE 02 	ZCD 29 + ZCD EP16 + ZCE 21 	ZCD 29 + ZCD EP16 + ZCE 27 	ZCD 29 + ZCD EP16 + ZCE 28 
 2-pole N/C + N/C simultaneous, slow break (XE2N P2141)	ZCD 27 + ZCD EP16 + ZCE 10 	ZCD 27 + ZCD EP16 + ZCE 11 	ZCD 27 + ZCD EP16 + ZCE 02 	ZCD 27 + ZCD EP16 + ZCE 21 	ZCD 27 + ZCD EP16 + ZCE 27 	ZCD 27 + ZCD EP16 + ZCE 28 
 3-pole N/C + N/C + N/O snap action (XE3S P2141)	ZCD 39 + ZCD EP16 + ZCE 10 	ZCD 39 + ZCD EP16 + ZCE 11 	ZCD 39 + ZCD EP16 + ZCE 02 	ZCD 39 + ZCD EP16 + ZCE 21 	ZCD 39 + ZCD EP16 + ZCE 27 	ZCD 39 + ZCD EP16 + ZCE 28 
 3-pole N/C + N/C + N/O break before make, slow break (XE3N P2141)	ZCD 37 + ZCD EP16 + ZCE 10 	ZCD 37 + ZCD EP16 + ZCE 11 	ZCD 37 + ZCD EP16 + ZCE 02 	ZCD 37 + ZCD EP16 + ZCE 21 	ZCD 37 + ZCD EP16 + ZCE 27 	ZCD 37 + ZCD EP16 + ZCE 28 
Weight (kg)	0.180	0.180	0.185	0.195	0.190	0.195
Contact operation	 contact closed  contact open		(A)/(B) = cam displacement (P) = positive opening point		 N/C contact with positive opening operation	
<b>Characteristics</b>						
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 D2110P16 becomes XCK D2110G11, ZCD EP16 becomes ZCD EG11.

# Limit switches

Osiswitch® Universal, Osiconcept®  
Compact design, metal, type XCK D  
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
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) (3)							
	<b>XCK D21H0P16</b> 1.8 4.5(P) 	<b>XCK D21H2P16</b> 3.1(A) 7.8(P) 	<b>XCK D2118P16</b> 25° 70°(P) 	<b>XCK D2145P16</b> 25° 70°(P) 	<b>XCK D2139P16</b> 25° 70°(P) 	<b>XCK D2149P16</b> 25° 70°(P) 	<b>XCK D2106P16</b> 20° 
	<b>XCK D25H0P16</b> 1.8 3.2(P) 	<b>XCK D25H2P16</b> 3.1(A) 5.6(P) 	<b>XCK D2518P16</b> 25° 70°(P) 	<b>XCK D2545P16</b> 25° 70°(P) 	<b>XCK D2539P16</b> 25° 70°(P) 	<b>XCK D2549P16</b> 25° 70°(P) 	<b>XCK D2506P16</b> 20° 
	<b>ZCD 29 + ZCD EP16 + ZCE H0</b> 1.8 4.5(P) 	<b>ZCD 29 + ZCD EP16 + ZCE H2</b> 3.1(A) 7.8(P) 	<b>ZCD 29 + ZCD EP16 + ZCE 01 + ZCY 18</b> 25° 70°(P) 	<b>ZCD 29 + ZCD EP16 + ZCE 01 + ZCY 45</b> 25° 70°(P) 	<b>ZCD 29 + ZCD EP16 + ZCE 01 + ZCY 39</b> 25° 70°(P) 	<b>ZCD 29 + ZCD EP16 + ZCE 01 + ZCY 49</b> 25° 70°(P) 	<b>ZCD 29 + ZCD EP16 + ZCE 06</b> 20° 
	<b>ZCD 27 + ZCD EP16 + ZCE H0</b> 1.8 3.2(P) 	<b>ZCD 27 + ZCD EP16 + ZCE H2</b> 3.1 5.6(P) 	<b>ZCD 27 + ZCD EP16 + ZCE 01 + ZCY 18</b> 25° 70°(P) 	<b>ZCD 27 + ZCD EP16 + ZCE 01 + ZCY 45</b> 25° 70°(P) 	<b>ZCD 27 + ZCD EP16 + ZCE 01 + ZCY 39</b> 25° 70°(P) 	<b>ZCD 27 + ZCD EP16 + ZCE 01 + ZCY 49</b> 25° 70°(P) 	<b>ZCD 27 + ZCD EP16 + ZCE 06</b> 20° 
	<b>ZCD 39 + ZCD EP16 + ZCE H0</b> 1.8 4.5(P) 	<b>ZCD 39 + ZCD EP16 + ZCE H2</b> 3.1(A) 7.8(P) 	<b>ZCD 39 + ZCD EP16 + ZCE 01 + ZCY 18</b> 25° 70°(P) 	<b>ZCD 39 + ZCD EP16 + ZCE 01 + ZCY 45</b> 25° 70°(P) 	<b>ZCD 39 + ZCD EP16 + ZCE 01 + ZCY 39</b> 25° 70°(P) 	<b>ZCD 39 + ZCD EP16 + ZCE 01 + ZCY 49</b> 25° 70°(P) 	<b>ZCD 39 + ZCD EP16 + ZCE 06</b> 20° 
	<b>ZCD 37 + ZCD EP16 + ZCE H0</b> 1.8 3.2(P) 	<b>ZCD 37 + ZCD EP16 + ZCE H2</b> 3.1(A) 5.6(P) 	<b>ZCD 37 + ZCD EP16 + ZCE 01 + ZCY 18</b> 25° 70°(P) 	<b>ZCD 37 + ZCD EP16 + ZCE 01 + ZCY 45</b> 25° 70°(P) 	<b>ZCD 37 + ZCD EP16 + ZCE 01 + ZCY 39</b> 25° 70°(P) 	<b>ZCD 37 + ZCD EP16 + ZCE 01 + ZCY 49</b> 25° 70°(P) 	<b>ZCD 37 + ZCD EP16 + ZCE 06</b> 20° 
Weight (kg)	0.220	0.220	0.225	0.235	0.235	0.245	0.175
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 3190/8.  
 (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 D21H0P16 becomes XCK D21H0G11, ZCD EP16 becomes ZCD EG11.  
 (4) Value taken with actuation by moving part at 100 mm from the fixings.

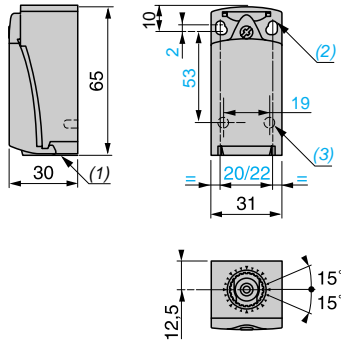
# Limit switches

Osiswitch® Universal, Osiconcept®

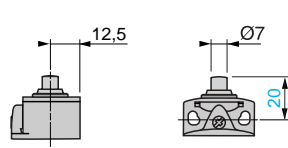
Compact design, metal, type XCK D

Complete units with 1 ISO M16 x 1.5 cable entry

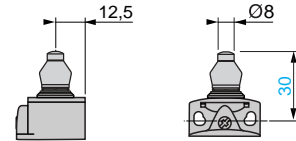
ZCD 2● + ZCD EP16 / ZCD 3● + ZCDE P16



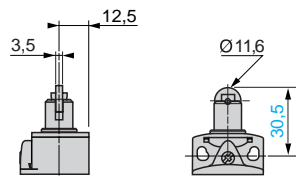
ZCE 10



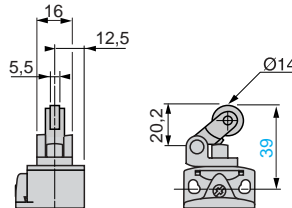
ZCE 11



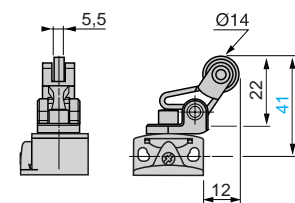
ZCE 02



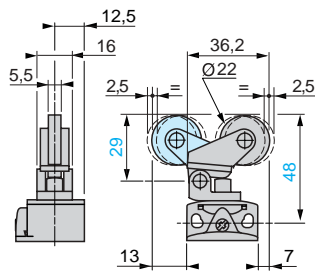
ZCE 21



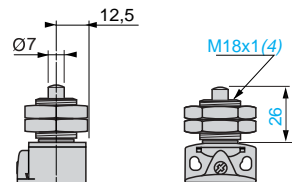
ZCE 27



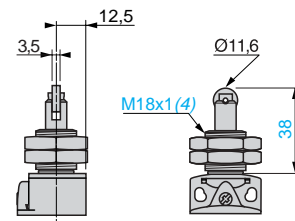
ZCE 28



ZCE H0



ZCE H2



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

(2) 2 elongated holes Ø 4.3 x 6.3 mm on 22 mm centres, 2 holes Ø 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.

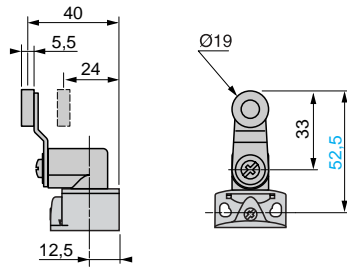
# Limit switches

Osiswitch® Universal, Osiconcept®

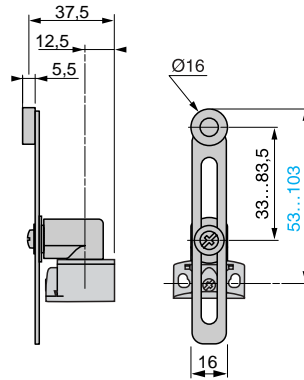
Compact design, metal, type XCK D

Complete units with 1 ISO M16 x 1.5 cable entry

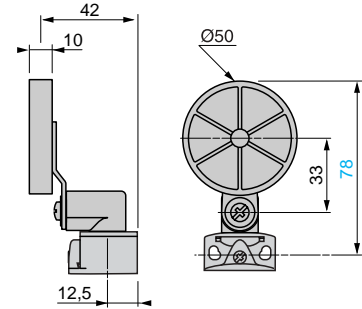
ZCE 01 + ZCY 18



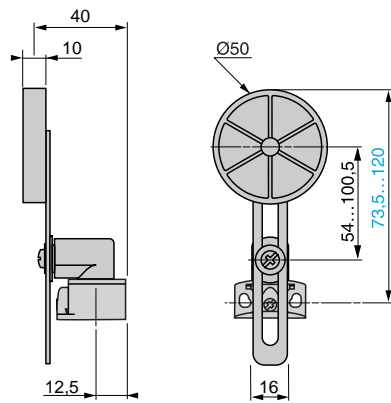
ZCE 01 + ZCY 45



ZCE 01 + ZCY 39



ZCE 01 + ZCY 49



ZCE 06

