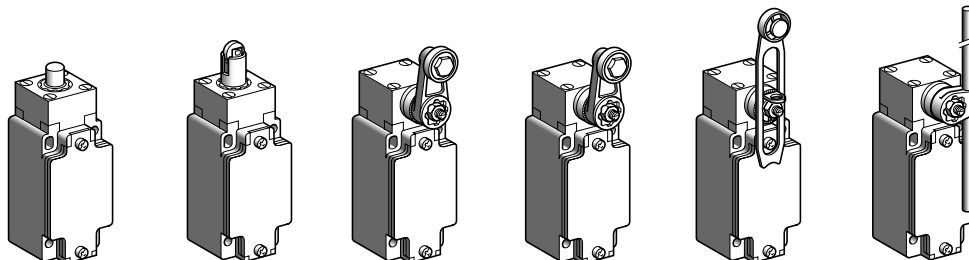


# References, characteristics **Limit switches**

Metal, conforming to CENELEC EN 50041, type XCK-J  
 Complete switches, fixed body  
 1 cable entry for n° 13 cable gland

Type of operating head	Plunger	Rotary (switches supplied for actuation from left AND right)				
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Type of operator	Metal end plunger	Steel roller plunger	Roller lever thermoplastic (1)	steel (1)	Variable length thermoplastic roller lever (1)	Ø 6 mm thermoplastic rod lever (1)
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(1) Adjustable throughout 360° in 5° steps, or in 45° steps by reversing the lever mounting or clamp.

## References (⊖ N/C contact with positive opening operation)

2-pole 1 N/C + 1 N/O snap action (XES-P2151)		<b>XCK-J161</b> ⊖	<b>XCK-J167</b> ⊖	<b>XCK-J10511</b> ⊖	<b>XCK-J10513</b> ⊖	<b>XCK-J10541</b>	<b>XCK-J10559</b>
2-pole 1 N/C + 1 N/O break before make slow break (XEN-P2151)		<b>XCK-J561</b> ⊖	<b>XCK-J567</b> ⊖	<b>XCK-J50511</b> ⊖	<b>XCK-J50513</b> ⊖	<b>XCK-J50541</b>	<b>XCK-J50559</b>
2-pole 1 N/O + 1 N/C make before break slow break (XEN-P2161)		<b>ZCK-J6 + ZCK-E61</b> ⊖	<b>ZCK-J6 + ZCK-E67</b> ⊖	<b>ZCK-J6 + ZCK-E05 + ZCK-Y11</b> ⊖	<b>ZCK-J6 + ZCK-E05 + ZCK-Y13</b> ⊖	<b>ZCK-J6 + ZCK-E05 + ZCK-Y41</b>	<b>ZCK-J6 + ZCK-E05 + ZCK-Y59</b>
2-pole 1 N/C + 1 N/C simultaneous slow break (XEN-P2141)		<b>ZCK-J7 + ZCK-E61</b> ⊖	<b>ZCK-J7 + ZCK-E67</b> ⊖	<b>ZCK-J7+ ZCK-E05 + ZCK-Y11</b> ⊖	<b>ZCK-J7+ ZCK-E05 + ZCK-Y13</b> ⊖	<b>ZCK-J7+ ZCK-E05 + ZCK-Y41</b>	<b>ZCK-J7+ ZCK-E05 + ZCK-Y59</b>
2-pole 1 N/O + 1 N/O simultaneous slow break (XEN-P2131)		<b>ZCK-J8 + ZCK-E61</b> ⊖	<b>ZCK-J8 + ZCK-E67</b> ⊖	<b>ZCK-J8+ ZCK-E05 + ZCK-Y11</b> ⊖	<b>ZCK-J8+ ZCK-E05 + ZCK-Y13</b> ⊖	<b>ZCK-J8+ ZCK-E05 + ZCK-Y41</b>	<b>ZCK-J8+ ZCK-E05 + ZCK-Y59</b>
2-pole 1 N/C + 1 N/C snap action (XES-P2141)		<b>ZCK-J9 + ZCK-E61</b> ⊖	<b>ZCK-J9 + ZCK-E67</b> ⊖	<b>ZCK-J9+ ZCK-E05 + ZCK-Y11</b> ⊖	<b>ZCK-J9+ ZCK-E05 + ZCK-Y13</b> ⊖	<b>ZCK-J9+ ZCK-E05 + ZCK-Y41</b>	<b>ZCK-J9+ ZCK-E05 + ZCK-Y59</b>
Weight (kg)	0.430	0.455	0.480	0.490	0.485	0.485	

## Complementary characteristics not shown under General characteristics (page 32400/3)

<b>Switch actuation</b>	On end	By 30° cam	By any moving part	
<b>Maximum actuation speed</b>	0.5 m/s	1 m/s	1.5 m/s	
<b>Mechanical durability</b>	<b>30 million operating cycles</b>	<b>25 million operating cycles</b>	<b>30 million operating cycles</b>	
<b>Minimum force or torque</b>	for tripping	20 N	16 N	0.25 N.m
	for positive opening	50 N	40 N	0.50 N.m
<b>Cable entry</b>	1 tapped entry for n° 13 cable gland conforming to NF C 68-300 (DIN Pg 13.5). Clamping capacity : 9 to 12 mm.			

### Other versions

Switches with gold flashed contacts. Special protective treatments.  
 Please consult your Regional Sales Office.

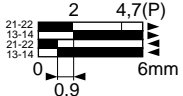
# Limit switches

Metal, conforming to CENELEC EN 50041, type XCK-J  
 Complete switches, fixed body  
 1 cable entry for n° 13 cable gland

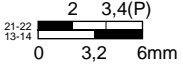
Type of actuation  
**XCK-Jø61**  
 ZCK-Jø + ZCK-E61



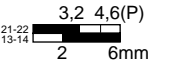
Function diagrams  
**XCK-J161**



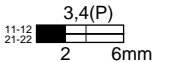
**XCK-J561**



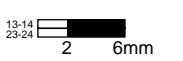
**ZCK-J6 + ZCK-E61**



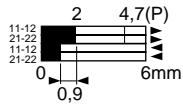
**ZCK-J7 + ZCK-E61**



**ZCK-J8 + ZCK-E61**



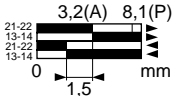
**ZCK-J9 + ZCK-E61**



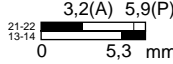
**XCK-Jø67**  
 ZCK-Jø + ZCK-E67



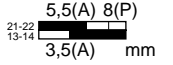
**XCK-J167**



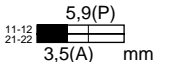
**XCK-J567**



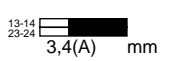
**ZCK-J6 + ZCK-E67**



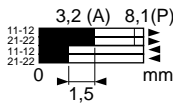
**ZCK-J7 + ZCK-E67**



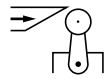
**ZCK-J8 + ZCK-E67**



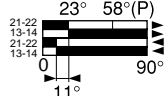
**ZCK-J9 + ZCK-E67**



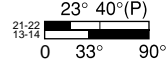
**XCK-Jø0511, Jø0513**  
 ZCK-Jø + ZCK-E05 + ZCK-Y1ø



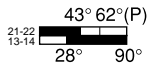
**XCK-J1051ø**



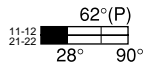
**XCK-J5051ø**



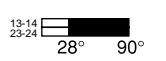
**ZCK-J6 + ZCK-E05 + ZCK-Y1ø**



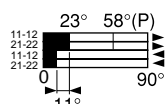
**ZCK-J7 + ZCK-E05 + ZCK-Y1ø**



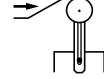
**ZCK-J8 + ZCK-E05 + ZCK-Y1ø**



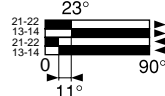
**ZCK-J9 + ZCK-E05 + ZCK-Y1ø**



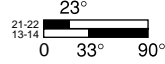
**XCK-Jø0541.**  
 ZCK-Jø + ZCK-E05 + ZCK-Y41



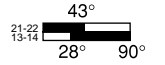
**XCK-J10541**



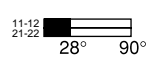
**XCK-J50541**



**ZCK-J6 + ZCK-E05 + ZCK-Y41**



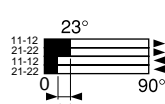
**ZCK-J7 + ZCK-E05 + ZCK-Y41**



**ZCK-J8 + ZCK-E05 + ZCK-Y41**



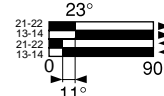
**ZCK-J9 + ZCK-E05 + ZCK-Y41**



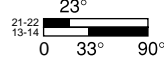
**XCK-Jø0559**  
 ZCK-Jø + ZCK-E05 + ZCK-Y59



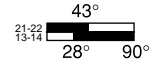
**XCK-J10559**



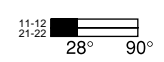
**XCK-J50559**



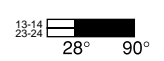
**ZCK-J6 + ZCK-E05 + ZCK-Y59**



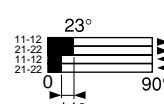
**ZCK-J7 + ZCK-E05 + ZCK-Y59**



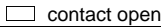
**ZCK-J8 + ZCK-E05 + ZCK-Y59**



**ZCK-J9 + ZCK-E05 + ZCK-Y59**

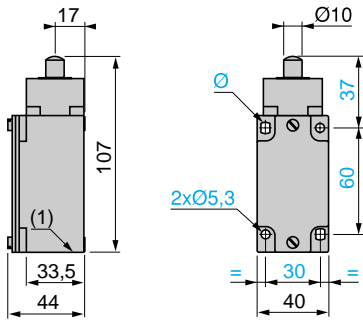


Contact operation  
 ■ contact closed □ contact open

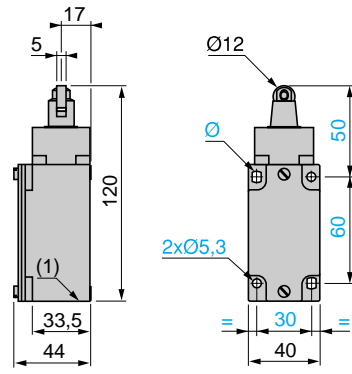


(A) = cam displacement  
 (P) = positive opening point

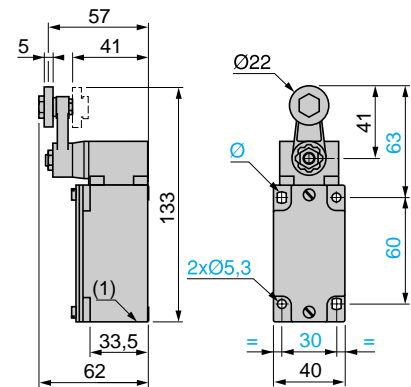
Dimensions  
**XCK-Jø61**



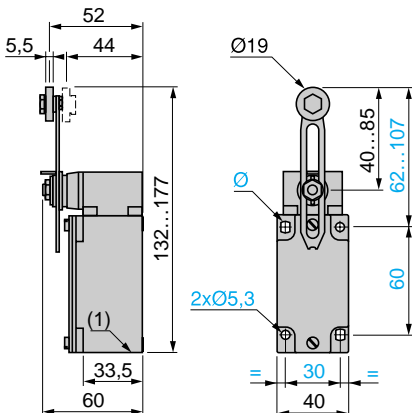
**XCK-Jø67**



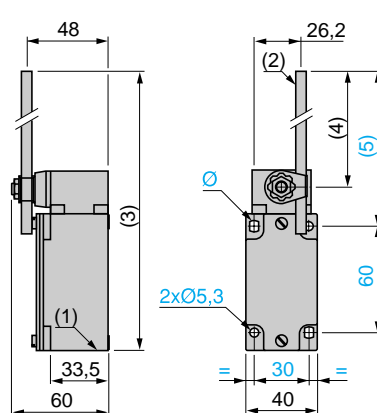
**XCK-Jø051ø**



**XCK-Jø0541**



**XCK-Jø0559**



(1) 1 cable entry, tapped for n° 13 cable gland

(2) Rod Ø 6, length 200 mm

(3) 282 max.

(4) 190 max.

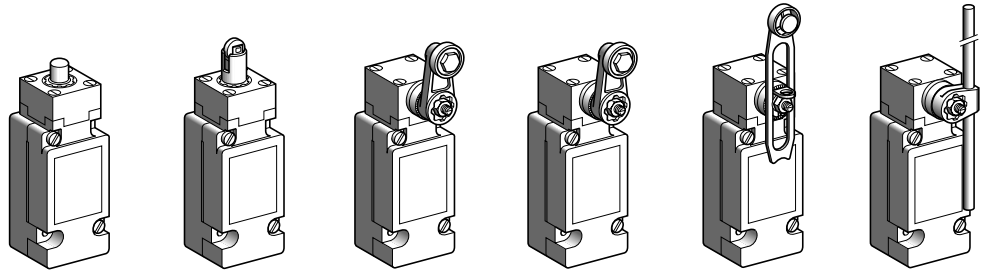
(5) 212 max.

∅ : 2 elongated holes Ø 5.3 x 7.3

# References, characteristics **Limit switches**

Metal, conforming to CENELEC EN 50041, type XCK-J  
 Complete switches, plug-in  
 1 cable entry for n° 13 cable gland

Type of operating head	Plunger	Rotary (switches supplied for actuation from left AND right)
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Type of operator	Metal end plunger	Steel roller plunger	Roller lever thermoplastic (1)   steel (1)	Variable length thermoplastic roller lever (1)	Ø 6 mm thermoplastic rod lever (1)
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(1) Adjustable throughout 360° in 5° steps, or in 45° steps by reversing the lever mounting or clamp.

## References

Single-pole 1 C/O snap action		<b>XCK-J1161</b>	<b>XCK-J1167</b>	<b>XCK-J110511</b>	<b>XCK-J110513</b>	<b>XCK-J110541</b>	<b>XCK-J110559</b>
Weight (kg)		0.430	0.445	0.480	0.490	0.485	0.485

## Complementary characteristics not shown under General characteristics (page 32400/3)

<b>Switch actuation</b>	On end	By 30° cam		By any moving part
<b>Maximum actuation speed</b>	0.5 m/s	1 m/s	1.5 m/s	
<b>Mechanical durability</b>	<b>30 million operating cycles</b>	<b>25 million operating cycles</b>	<b>30 million operating cycles</b>	
<b>Minimum force or torque for tripping</b>	20 N	16 N	0.25 N.m	
<b>Cable entry</b>	1 tapped entry for n° 13 cable gland conforming to NF C 68-300 (DIN Pg 13.5). Clamping capacity : 9 to 12 mm.			

## Other versions

Switches with gold flashed contacts. Special protective treatments.  
 Please consult your Regional Sales Office.

# Limit switches

Metal, conforming to CENELEC EN 50041, type XCK-J  
 Complete switches, plug-in  
 1 cable entry for n° 13 cable gland

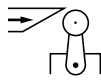
**Setting-up**  
 Type of actuation  
 XCK-J1161



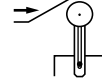
**XCK-J1167**



**XCK-J110511**  
**XCK-J110513**



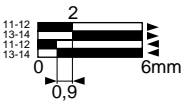
**XCK-J110541**



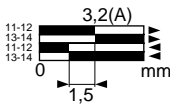
**XCK-J110559**



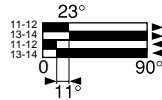
**Function diagrams**  
 XCK-J1161



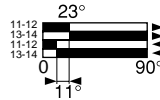
**XCK-J1167**



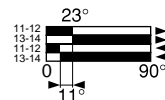
**XCK-J110511**  
**XCK-J110513**



**XCK-J110541**



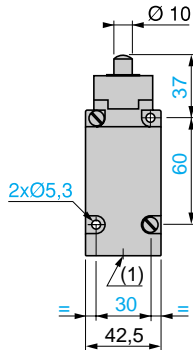
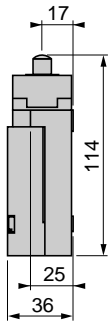
**XCK-J110559**



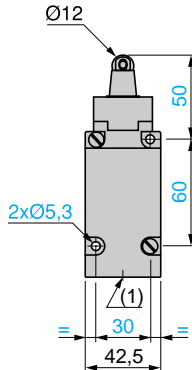
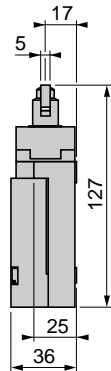
Contact operation  
 contact closed  
 contact open

(A) = cam displacement

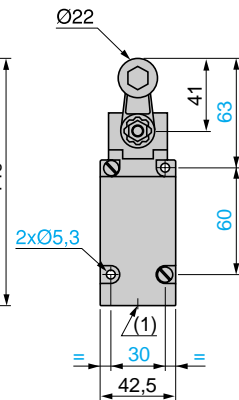
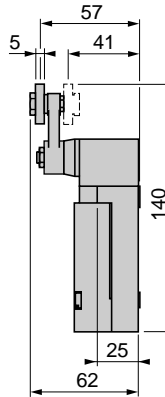
**Dimensions**  
 XCK-J1161



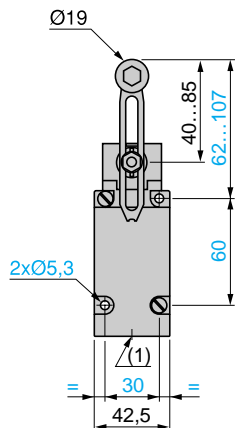
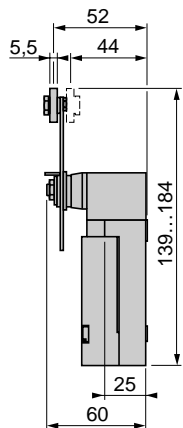
**XCK-J1167**



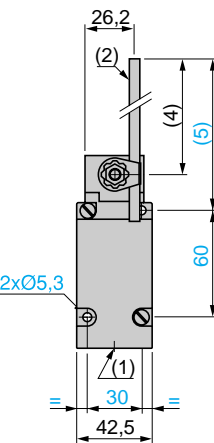
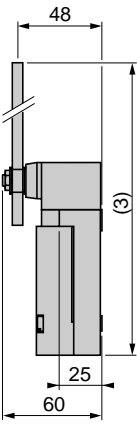
**XCK-J110511, XCK-J110513**



**XCK-J110541**



**XCK-J110559**



- (1) 1 cable entry, tapped for n° 13 cable gland
- (2) Rod Ø 6, length 200 mm
- (3) 289 max.
- (4) 190 max.
- (5) 212 max.