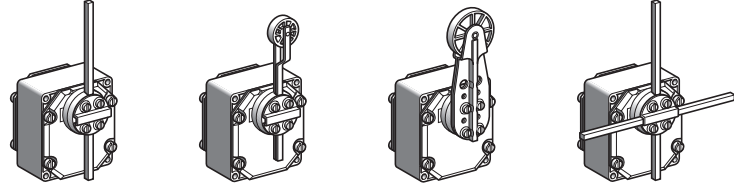


# Limit switches

## XC Special range

For hoisting and material handling applications, XCR  
Complete switches with 1 cable entry

Type of head	Rotary with spring return to off position	Stay put
Maximum displacement	55° in each direction	90° in each direction



Type of operator	Metal rod, $\varnothing$ 6 mm	Thermoplastic roller lever	Large thermoplastic roller lever	Metal rods, $\varnothing$ 6 mm, crossed rods for XCRE●●, "T" rods for XCRF●●7
Rod length	1 rod of 200 mm	—	—	XCRE●●: 2 rods of 200 mm XCRF●●: 1 rod of 200 mm and 1 rod of 300 mm

### References of complete switches (⊖ NC contact with positive opening operation)

<b>Two 2-pole NC + NO snap action XE2SP2151</b>  1 <sup>st</sup> contact      2 <sup>nd</sup> contact	Both contacts operate in each direction	<b>X CRA11</b> ⊖ (3) 	<b>X CRA12</b> ⊖ (3) 	<b>X CRA15</b> ⊖ (3) 	<b>X CRE18</b> ⊖ (3) (4) 
	1 contact operates in each direction	<b>X CRB11</b> ⊖ (3) 	<b>X CRB12</b> ⊖ (3) 	<b>X CRB15</b> ⊖ (3) 	<b>X CRF17</b> ⊖ (3) 
<b>Two 2-pole NC + NO break before make, slow break XE2NP2151</b>  1 <sup>st</sup> contact      2 <sup>nd</sup> contact	Both contacts operate in each direction	<b>X CRA51</b> ⊖ (3) 	<b>X CRA52</b> ⊖ (3) 	<b>X CRA55</b> ⊖ (3) 	<b>X CRE58</b> ⊖ (3) (4) 
	1 contact operates in each direction	<b>X CRB51</b> ⊖ (3) 	<b>X CRB52</b> ⊖ (3) 	<b>X CRB55</b> ⊖ (3) 	<b>X CRF57</b> ⊖ (3) 
<b>Weight (kg)</b>	1.110	1.145	1.155	1.135	
<b>Contact operation</b>	■ closed (P) = positive opening point □ open (1) 1 <sup>st</sup> contact (2) 2 <sup>nd</sup> contact				

### Complementary characteristics

<b>Lever maximum actuation speed</b>	1.5 m/s		
<b>Mechanical durability</b>	10 million operating cycles		
<b>Minimum torque</b>	For tripping	0.45 N.m	0.60 N.m
	For positive opening	0.75 N.m	0.70 N.m
<b>Cable entry</b>	1 entry tapped for Pg 13.5 cable gland conforming to NF C 68-300 (DIN Pg 13.5) Clamping capacity 9 to 12 mm		

(3) For a limit switch with watertight reinforced seal (IP 65), add 1 to the end of the reference.  
Example: XCRF17 becomes XCRF171.  
(4) For XCRE18 and XCRE58, the rotation is not limited.