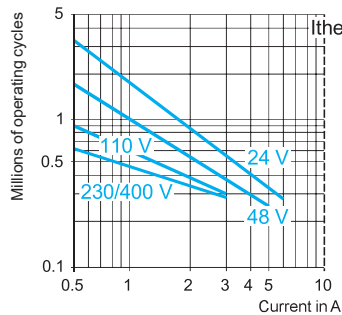


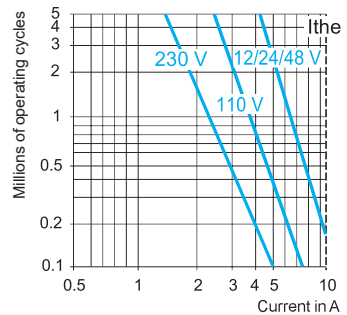
Contact block characteristics		
Rated operational characteristics	XE2●P	~ AC-15; A300 (Ue = 240 V, Ie = 3 A); Ithe = 10 A --- DC-13; Q300 (Ue = 250 V, Ie = 0.27 A), conforming to IEC 60947-5-1 Appendix A, EN 60947-5-1
	XE3●P	~ AC-15; B300 (Ue = 240 V, Ie = 1.5 A); Ithe = 6 A --- DC-13; R300 (Ue = 250 V, Ie = 0.1 A), conforming to IEC 60947-5-1 Appendix A, EN 60947-5-1
Rated insulation voltage	XE2●P	Ui = 500 V degree of pollution 3 conforming to IEC 60947-1 Ui = 300 V conforming to UL 508, CSA C22-2 n° 14
	XE3●P	Ui = 400 V degree of pollution 3 conforming to IEC 60947-1 Ui = 300 V conforming to UL 508, CSA C22-2 n° 14
Rated impulse withstand voltage	XE2●P	U imp = 6 kV conforming to IEC 60947-1, IEC 60664
	XE3●P	U imp = 4 kV conforming to IEC 60947-1, IEC 60664
Positive operation (depending on model)		NC contacts with positive opening operation conforming to IEC 60947-5-1 Appendix K, EN 60947-5-1
Resistance across terminals		≤ 25 mΩ conforming to IEC 60255-7 category 3
Short-circuit protection	XE2●P	10 A cartridge fuse type gG (gl)
	XE3●P	6 A cartridge fuse type gG (gl)
Connection (screw clamp terminals)	XE2SP21●1	Clamping capacity, min: 1 x 0.34 mm ² , max: 2 x 1.5 mm ²
	XE2NP21●1	Clamping capacity, min: 1 x 0.5 mm ² , max: 2 x 2.5 mm ²
	XESP2151L and XENP2151L	Clamping capacity, min: 1 x 0.34 mm ² , max: 2 x 1.5 mm ² or 1 x 2.5 mm ²
	XE3NP and XE3SP	Clamping capacity, min: 1 x 0.34 mm ² , max: 1 x 1 mm ² or 2 x 0.75 mm ²
Minimum actuation speed		XE2SP21●1, XESP2151L and XE3SP : 0.01 m/minute XE2NP21●1, XENP2151L and XE3NP : 6 m/minute
Electrical durability		<ul style="list-style-type: none"> ■ Conforming to IEC 60947-5-1 Appendix C ■ Utilisation categories AC-15 and DC-13 ■ Maximum operating rate: 3600 operating cycles/hour ■ Load factor: 0.5

AC supply
50/60 Hz ~
mm inductive circuit

XE2SP21●1, XE2SP2141, XESP2151L



XE2NP21●1, XENP2151L



DC supply ---

Power broken in W for 5 million operating cycles.

Voltage	V	24	48	120
mm	W	10	7	4

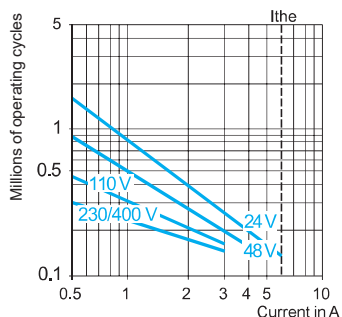
Power broken in W for 5 million operating cycles.

Voltage	V	24	48	120
mm	W	13	9	7

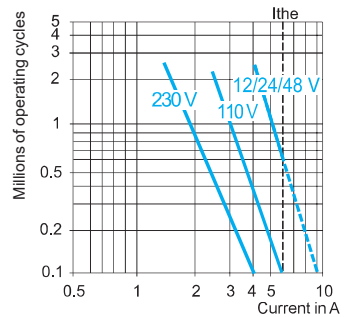
For XE2SP●151 on ~ or ---, NC and NO contacts simultaneously loaded to the values shown with reverse polarity.

AC supply
50/60 Hz ~
mm inductive circuit

XE3SP●●●●



XE3NP●●●●



DC supply ---

Power broken in W for 5 million operating cycles.

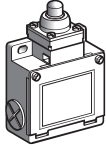
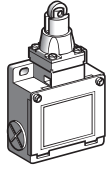
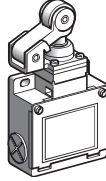
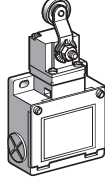
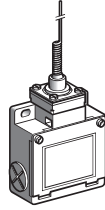


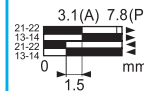

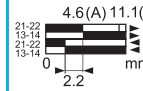

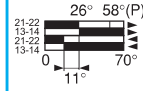

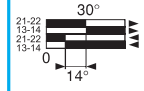


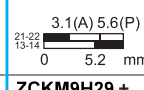

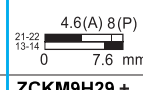

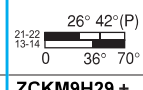

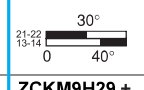
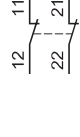

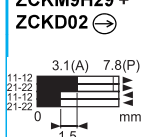

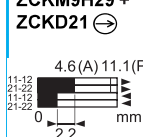

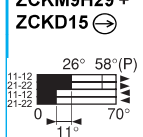

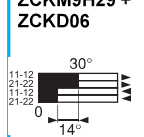
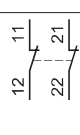

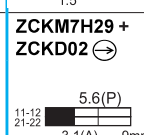

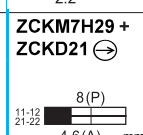

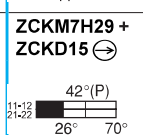


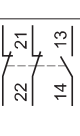

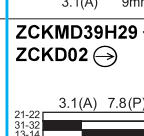

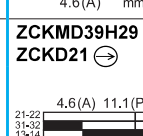

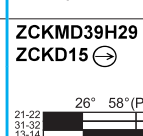

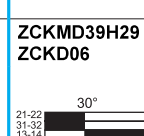
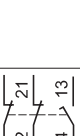

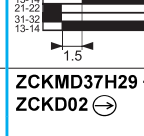

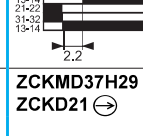

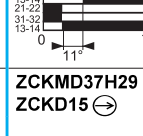

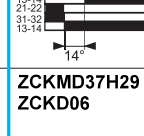



Voltage	V	24	48	120
mm	W	3	2	1

Power broken in W for 5 million operating cycles.

Voltage	V	24	48	120
mm	W	4	3	2




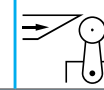

Limit switches

XC Standard range, Classic format
Metal, XCKM
Complete units with 3 cable entries

Type of head	Plunger (fixing by the body)			Rotary (fixing by the body)	Multi-directional, (fixing by the body)
					
Type of operator	Metal end plunger	Steel roller plunger	Thermoplastic roller lever plunger, horizontal actuation in 1 direction	Thermoplastic roller lever (1)	"Cat's whisker" (2)
References of complete units with 3 ISO M20 x 1.5 cable entries (3)					
2-pole NC + NO snap action (XE2SP2151)	 XCKM110H29 	 XCKM102H29 	 XCKM121H29 	 XCKM115H29 	 XCKM106H29
2-pole NC + NO break before make, slow break (XE2NP2151)	 XCKM510H29 	 XCKM502H29 	 XCKM521H29 	 XCKM515H29 	 XCKM506H29
2-pole NC + NC snap action (XE2SP2141)	 ZCKM9H29 + ZCKD10 	 ZCKM9H29 + ZCKD02 	 ZCKM9H29 + ZCKD21 	 ZCKM9H29 + ZCKD15 	 ZCKM9H29 + ZCKD06
2-pole NC + NC simultaneous, slow break (XE2NP2141)	 ZCKM7H29 + ZCKD10 	 ZCKM7H29 + ZCKD02 	 ZCKM7H29 + ZCKD21 	 ZCKM7H29 + ZCKD15 	 ZCKM7H29 + ZCKD06
3-pole NC + NC + NO snap action (XE3SP2141)	 ZCKMD39H29 + ZCKD10 	 ZCKMD39H29 + ZCKD02 	 ZCKMD39H29 + ZCKD21 	 ZCKMD39H29 + ZCKD15 	 ZCKMD39H29 + ZCKD06
3-pole NC + NC + NO break before make, slow break (XE3NP2141)	 ZCKMD37H29 + ZCKD10 	 ZCKMD37H29 + ZCKD02 	 ZCKMD37H29 + ZCKD21 	 ZCKMD37H29 + ZCKD15 	 ZCKMD37H29 + ZCKD06
Weight (kg)	0.250	0.255	0.300	0.280	0.250
Contact operation	 closed  open	(A) = cam displacement (P) = positive opening point		 NC contact with positive opening operation	

References of complete units with 3 Pg 11 cable entries

For complete units with 3 Pg 11 cable entries, delete H29 from the end of the reference. Example: XCKM110H29 becomes XCKM110.

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 direction)
Mechanical durability (4) (in millions of operating cycles)	20	15			10
Minimum force or torque	For tripping For positive opening	15 N 45 N	12 N 36 N	8 N 24 N	0.1 N.m 0.25 N.m
Cable entry	3 entries tapped M20 x 1.5 mm for ISO cable gland, clamping capacity 7 to 13 mm				

(1) Adjustable throughout 360° in 5° steps, or in 90° steps by reversing the notched washer.

(2) Value taken with actuation by moving part at 100 mm from the fixing.

(3) Switches with gold contacts or eyelet type connections: please consult our Customer Care Centre.

(4) Limited to 15 million operating cycles for switches with contacts XE3●P.

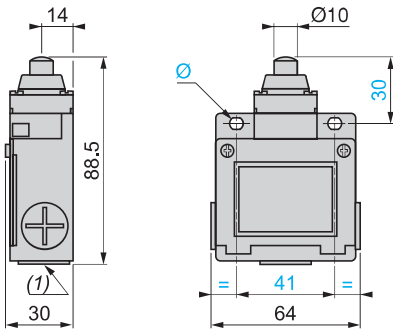
Limit switches

XC Standard range, Classic format

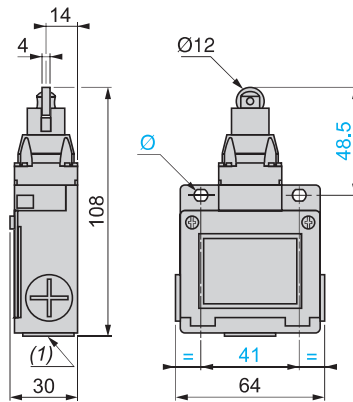
Metal, XCKM

Complete units with 3 cable entries

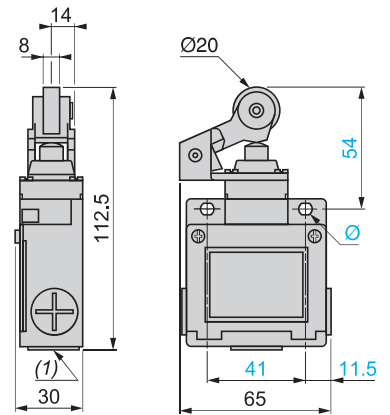
XCKM●10
ZCKMD3● + ZCKD10



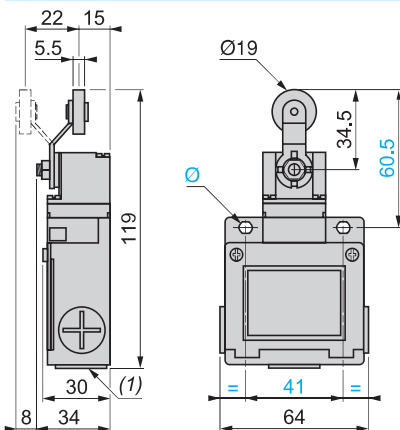
XCKM●02
ZCKMD3● + ZCKD02



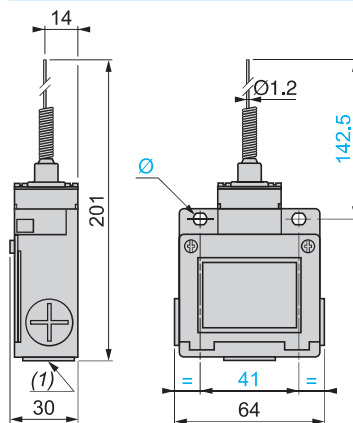
XCKM●21
ZCKMD3● + ZCKD21



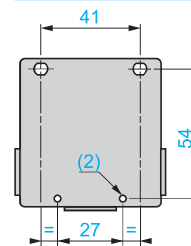
XCKM●15
ZCKMD3● + ZCKD15



XCKM●06
ZCKMD3● + ZCKD06



Rear view XCKM●●●, ZCKM●, ZCKMD3●



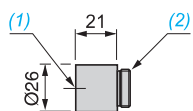
(1) 3 tapped entries for ISO M20 x 1.5 or Pg 11 cable gland or with 1/2" NPT conduit adaptor DE9RA1012.

(2) 2 x Ø 4 H 11, depth 10.

Ø: 2 elongated holes Ø 5.2 x 6.2

Adaptor for 1/2" NPT conduit

DE9RA1012



(1) Tapped entry for 1/2" NPT conduit.

(2) Pg 11 threaded sleeve.