

Limit switch, Limit switches XC Standard,
XCKVR, reverse head stay put crossed rods,
2x(2 NC), slow, M20



Main

Range of product	OsiSense XC
Series name	Special format
Product or component type	Limit switch
Product specific application	For hoisting and mechanical handling applications
Device short name	XCKMR
Body type	Fixed
Head type	Reversed rotary head
Material	Plastic
Body material	(PBT+PC)-GF30 FR
Head material	(PBT+PC)-GF30 FR
Fixing mode	By the body
Movement of operating head	Rotary
Type of operator	Stay put crossed rods lever metal square rod 6 mm, L = 200 mm
Type of approach	Lateral approach, 2 directions
Cable entry	1 entry tapped and 2 breakout holes for M20 x 1.5 cable gland, cable outer diameter: 7...13 mm
Number of poles	4
Contacts type and composition	2 x (2 NC)
Contact operation	Slow-break, staggered

Complementary

Switch actuation	By any moving part
Electrical connection	Screw-clamp terminals, clamping capacity: 1 x 0.5...2 x 2.5 mm ²
Contacts insulation form	Zb
Number of steps	5 electrical positions
Contact block per direction [control circuit]	1 per direction
Positive opening	With
Positive opening minimum torque	0.75 N.m
Minimum torque for tripping	0.5 N.m
Minimum actuation speed	6 m/min
Maximum actuation speed	1.5 m/s actuation point on the rod between 65 and 95 mm
Maximum displacement angle	-180 ° 180 °
Contact code designation	A300, AC-15 (Ue = 240 V), Ie = 3 A, Ithe = 10 A conforming to EN/IEC 60947-5-1 appendix A Q150, DC-13 (Ue = 125 V), Ie = 0.55 A conforming to EN/IEC 60947-5-1 appendix A
[Ui] rated insulation voltage	300 V conforming to UL 508 300 V conforming to CSA C22.2 No 14 500 V (pollution degree 3) conforming to EN/IEC 60947-1
Maximum resistance across terminals	25 MΩ conforming to IEC 60255-7 category 3
[Uiimp] rated impulse withstand voltage	6 kV conforming to IEC 60664 6 kV conforming to EN/IEC 60947-1
Short-circuit protection	10 A cartridge fuse, type gG
Mechanical durability	1000000 cycles

Width	200 mm
Height	200 mm
Depth	66 mm
Net weight	0.32 kg
Terminals description ISO n°1	(21-22)NC (11-12)NC

Environment

Shock resistance	50 gn conforming to EN/IEC 60068-2-27
Vibration resistance	25 gn (f= 10...500 Hz) conforming to EN/IEC 60068-2-6
IP degree of protection	IP65 conforming to EN/IEC 60529
IK degree of protection	IK04 conforming to EN 50102
Electrical shock protection class	Class II conforming to IEC 60536
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...70 °C
Protective treatment	TC
Product certifications	CCC[RETURN]UL[RETURN]CE[RETURN]CSA
Standards	EN/IEC 60947-5-1 UL 508 CSA C22.2 No 14

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	9.0 cm
Package 1 Width	7.8 cm
Package 1 Length	19.5 cm
Package 1 Weight	385.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	6
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	2.696 kg
Unit Type of Package 3	PAL
Number of Units in Package 3	96
Package 3 Height	60.0 cm
Package 3 Width	80.0 cm
Package 3 Length	96.0 cm
Package 3 Weight	37.2 kg

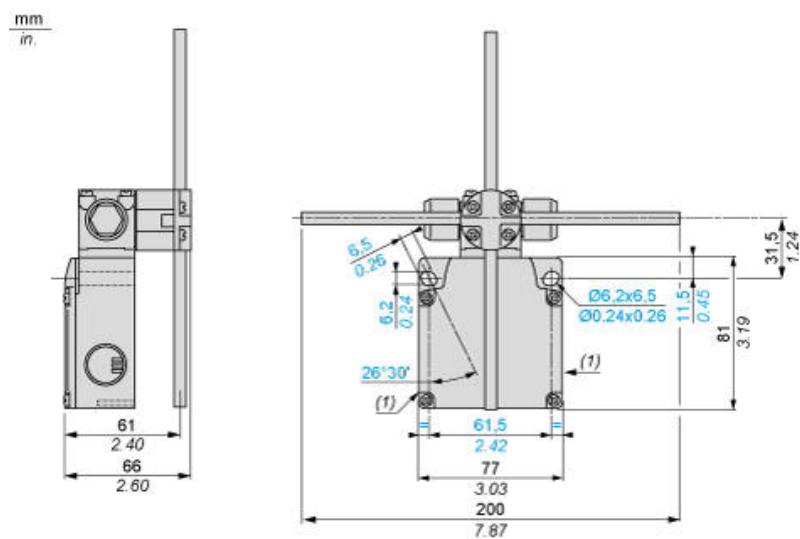
Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Diisobutyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

Warranty	18 months
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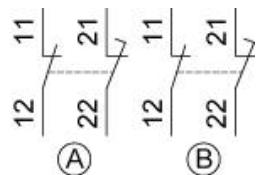
Dimensions



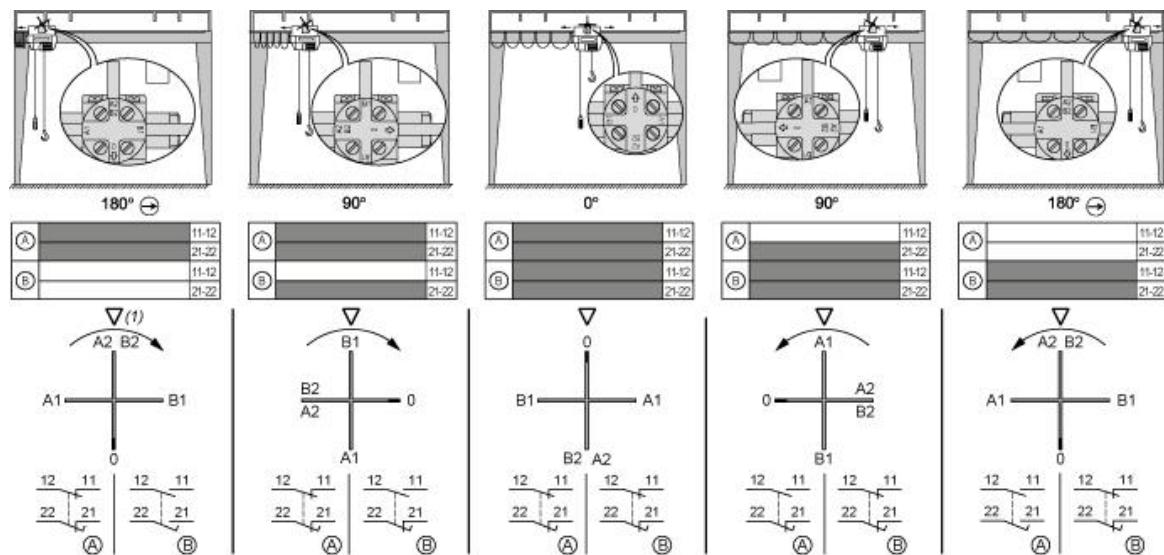
(1) 2 knock-out holes for ISO M20 cable gland (reference: DE9 PEM20010).

Wiring Diagram

2 x 2-pole NC+NC Break Before Make, Slow Break (Non Interchangeable Contacts)



Functional Diagram



(1) Triangle symbol marked on top of head.