

Main

Range of product	OsiSense ATEX D
Series name	Standard format
Product or component type	Limit switch
Device short name	XCKJ
Sensor design	Form D conforming to CENELEC EN 50041
Body type	Fixed
Head type	Rotary head
Material	Metal
Fixing mode	By the body
Movement of operating head	Rotary
Type of operator	Thermoplastic spring return round rod lever, round rod 6 mm, L = 200 mm
Switch actuation	By any moving part
Type of approach	Lateral approach, 1 or 2 programmable direction
Electrical connection	Screw-clamp terminals, 1 x 0.34...2 x 0.75 mm ²
Cable entry	1 entry tapped for M20 x 1.5 cable gland (included), cable outer diameter: 9...12 mm
Number of poles	3
Contacts type and composition	2 NC + 1 NO
Contacts insulation form	Zb
Contacts operation	Snap action
Number of steps	1
Positive opening	Without
Minimum torque for tripping	0.25 N.m
Maximum actuation speed	1.5 m/s
IP degree of protection	IP66 conforming to IEC 60529

Complementary

Body material	Zamak
Head material	Zamak
Positive opening minimum torque	0.5 N.m
Minimum actuation speed	0.01 m/min
Contact code designation	R300, DC-13 (250 V, I _e = 0.1 A) conforming to IEC 60947-5-1 appendix A R300, DC-13 (250 V, I _e = 0.1 A) conforming to EN 60947-5-1 B300, AC-15 (240 V, I _e = 1.5 A) conforming to IEC 60947-5-1 appendix A B300, AC-15 (240 V, I _e = 1.5 A) conforming to EN 60947-5-1
[I _{th}] conventional enclosed thermal current	6 A AC
[U _i] rated insulation voltage	400 V, pollution degree: 3 conforming to IEC 60947-1 300 V conforming to UL 508 300 V conforming to CSA C22-2 No 14
Resistance across terminals	<= 25 MOhm conforming to IEC 60255-7 category 3
[U _{imp}] rated impulse withstand voltage	4 kV conforming to IEC 60947-1 4 kV conforming to IEC 60664
Short circuit protection	6 A cartridge fuse, type gG

Electrical durability	5000000 cycles DC-13 48 V 2 W, <= 3600 cyc/mn load factor: 0.5 conforming to IEC 60947-5-1 appendix C inductive DC 5000000 cycles DC-13 24 V 3 W, <= 3600 cyc/mn load factor: 0.5 conforming to IEC 60947-5-1 appendix C inductive DC 5000000 cycles DC-13 120 V 4 W, <= 3600 cyc/mn load factor: 0.5 conforming to IEC 60947-5-1 appendix C inductive DC
Mechanical durability	20000000 cycles
Marking	II2 D-Ex tD A21 IP66/67 T85°C
Width	40 mm
Height	77 mm
Depth	44 mm

Environment

Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27
Vibration resistance	25 gn (f = 10...500 Hz) conforming to IEC 60068-2-6
Class of protection against electric shock	Class I conforming to NF C 20-030 Class I conforming to IEC 61140
Ambient air temperature for operation	-20...60 °C
Protective treatment	TC
Dust zone	Zone 21 - 22
Product certifications	INERIS 04ATEX0014X
Standards	Directive ATEX 94/9/EC EN 50014 EN 50281-1-1 IEC 61241-0 IEC 61241-1

RoHS compliance

RoHS EUR status	Compliant
RoHS EUR conformity date(Y Y W W)	1005

Contractual warranty

Period	18 months
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