

XCKJ3961H29EX

limit switch XCK-J - plunger - 2 NC + 1 NO -
ATEX

Main

Range of product	Osiswitch ATEX D
Series name	Classic
Product or component type	Limit switch
Device short name	XCKJ
Sensor design	Form B CENELEC EN 50041
Body type	Fixed
Head type	Plunger head
Material	Metal
Fixing mode	By the body
Type of operator	Spring return plunger metal
Switch actuation	On end
Type of approach	Vertical approach 1 direction
Electrical connection	Screw-clamp terminals 1 x 0.34...2 x 0.75 mm ²
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	With
Minimum force for tripping	20 N
Maximum actuation speed	0.5 m/s
IP degree of protection	IP66 IEC 60529

Complementary

Body material	Zamak
Head material	Zamak
Movement of operating head	Linear
Cable entry	1 entry tapped for M20 x 1.5 cable gland 9...12 mm
Positive opening minimum force	50 N
Minimum actuation speed	0.01 m/min
Contact code designation	B300 AC-15 240 V 1.5 A IEC 60947-5-1 appendix A B300 AC-15 240 V 1.5 A EN 60947-5-1 R300 DC-13 250 V 0.1 A IEC 60947-5-1 appendix A R300 DC-13 250 V 0.1 A EN 60947-5-1
[I _{th}] conventional enclosed thermal current	6 A AC
[U _i] rated insulation voltage	300 V UL 508 300 V CSA C22-2 No 14 400 V 3 IEC 60947-1
Resistance across terminals	≤ 25 mOhm IEC 60255-7 category 3
[U _{imp}] rated impulse withstand voltage	4 kV IEC 60947-1 4 kV IEC 60664
Short circuit protection	6 A cartridge fuse gG

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Electrical durability	5000000 cycles DC-13 inductive 120 V 4 W ≤ 3600 cyc/h 0.5 DC IEC 60947-5-1 appendix C 5000000 cycles DC-13 inductive 48 V 2 W ≤ 3600 cyc/h 0.5 DC IEC 60947-5-1 appendix C 5000000 cycles DC-13 inductive 24 V 3 W ≤ 3600 cyc/h 0.5 DC IEC 60947-5-1 appendix C
Mechanical durability	30000000 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 11 ms IEC 60068-2-27
Vibration resistance	25 gn 10...500 Hz IEC 60068-2-6
Class of protection against electric shock	Class I IEC 61140 Class I NF C 20-030
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 EUR conformity date	3Q2009
RoHS EUR status	Will be compliant