

XCKD3902P16EX

limit switch XCK-D - roller plunger - 2 NC + 1 NO - ATEX

Main

Range of product	Osiswitch ATEX D
Series name	Universal
Product or component type	Limit switch
Device short name	XCKD
Sensor design	Compact form C CENELEC EN 50047
Body type	Fixed
Head type	Plunger head
Material	Metal
Fixing mode	By the body
Type of operator	Spring return roller plunger steel
Switch actuation	By 30° cam
Type of approach	Lateral approach 2 directions
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	12 N
Maximum actuation speed	0.5 m/s
IP degree of protection	IP66 IEC 60529 IP67 IEC 60529

Complementary

Body material	Zamak
Head material	Zamak
Movement of operating head	Linear
Cable entry	1 entry tapped for M16 x 1.5 cable gland 4...8 mm CENELEC EN 50047
Positive opening minimum force	36 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
[Ithe] conventional enclosed thermal current	6 A AC
[Ui] 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
[Uimp] 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 2 W ≤ 3600 cyc/h 0.5 DC IEC 60947-5-1 appendix C 5000000 cycles DC-13 inductive 48 V 3 W ≤ 3600 cyc/h 0.5 DC IEC 60947-5-1 appendix C 5000000 cycles DC-13 inductive 24 V 4 W ≤ 3600 cyc/h 0.5 DC IEC 60947-5-1 appendix C
Mechanical durability	10000000 cycles
Marking	II2 D-Ex tD A21 IP66/67 T85°C
Width	31 mm
Height	65 mm
Depth	30 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