



### Main

Range of product	Osiswitch
Series name	Universal
Product or component type	Limit switch
Device short name	XCMD
Sensor design	Miniature
Body type	Plug-in body
Head type	Plunger head
Material	Metal
Head material	Zamak
Fixing mode	By the body
Movement of operating head	Linear
Type of operator	Spring return roller plunger metal
Type of approach	Lateral approach 2 directions
Electrical connection	Male connector M12 4 pins
Number of poles	2
Contacts type and composition	1 C/O
Contacts operation	Snap action
Positive opening	Without

### Complementary

Body material	Zamak
Switch actuation	By 30° cam
Contacts insulation form	Za
Minimum force for tripping	7 N
Maximum actuation speed	0,5 m/s
Contact code designation	B300 AC-15 240 V 1,5 A EN/IEC 60947-5-1 appendix A R300 DC-13 250 V 0,1 A EN/IEC 60947-5-1 appendix A
[Ui] rated insulation voltage	300 V 3 UL 508 300 V 3 CSA C22-2 No 14 400 V 3 IEC 60947-5-1
Resistance across terminals	≤ 25 mOhm IEC 60255-7 category 3
[Uimp] rated impulse withstand voltage	4 kV IEC 60664 4 kV IEC 60947-1
Short circuit protection	6 A cartridge fuse gG
Electrical durability	5000000 cycles DC-13 24 V 3 W ≤ 60 cyc/mn 0,5 IEC 60947-5-1 appendix C 5000000 cycles DC-13 48 V 2 W ≤ 60 cyc/mn 0,5 IEC 60947-5-1 appendix C 5000000 cycles DC-13 120 V 1 W ≤ 60 cyc/mn 0,5 IEC 60947-5-1 appendix C
Mechanical durability	10000000 cycles
Width	30 mm
Height	50 mm
Depth	16 mm
Product weight	0,09 kg

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## Environment

Shock resistance	25 gn 18 ms IEC 60068-2-27
Vibration resistance	5 gn 10...500 Hz IEC 60068-2-6
IP degree of protection	IP66 IEC 60529 IP67 IEC 60529 IP68 IEC 60529
IK degree of protection	IK06 EN 50102
Class of protection against electric shock	Class I NF C 20-030 Class I IEC 61140
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...70 °C
Protective treatment	TC
Product certifications	CCC CSA UL
Standards	CSA C22-2 No 14 EN/IEC 60204-1 EN/IEC 60947-5-1 UL 508
RoHS EUR conformity date	2Q2009
RoHS EUR status	Will be compliant