XCMD21G1C12





Main

OsiSense XC
Standard format
Limit switch
XCMD
Miniature
Plug-in body
M16 plunger head
Metal
Zamak
Zamak
By the head
Linear
Spring return roller plunger metal (with elastomer boot)
Vertical approach 1 direction
2
1 NC + 1 NO
Snap action

Complementary

Switch actuation	On end
Electrical connection	Male connector M12, 5 pins
Contacts insulation form	Zb
Positive opening	With
Positive opening minimum force	42.5 N
Minimum force for tripping	8.5 N
Minimum actuation speed	0.01 m/min
Maximum actuation speed	1.64 ft/s (0.5 m/s)
[le] rated operational current	0.22 A at 50 V, DC-13 conforming to EN/IEC 60947-5-1 appendix A 3 A at 50 V, AC-15 conforming to EN/IEC 60947-5-1 appendix A
[Ithe] conventional enclosed thermal current	4 A
[Ui] rated insulation voltage	60 V degree of pollution 3 conforming to IEC 60947-5-1
Resistance across terminals	<= 25 MOhm conforming to IEC 60255-7 category 3
[Uimp] rated impulse withstand voltage	0.8 kV conforming to IEC 60664 0.8 kV conforming to IEC 60947-1
Short-circuit protection	4 A by gG cartridge fuse
Electrical durability	5000000 cycles, DC-13, 24 V, 3 W, operating rate: <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 cycles, DC-13, 48 V, 2 W, operating rate: <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C
Mechanical durability	10000000 cycles
Width	1.18 in (30 mm)
Height	1.97 in (50 mm)
Depth	0.63 in (16 mm)
Product weight	0.28 lb(US) (0.125 kg)

Environment

shock resistance	25 gn (duration = 18 ms) conforming to IEC 60068-2-27

vibration resistance	5 gn (f = 10500 Hz) conforming to IEC 60068-2-6	
IP degree of protection	IP68 conforming to IEC 60529 IP66 conforming to IEC 60529 IP67 conforming to IEC 60529	
IK degree of protection	IK06 conforming to EN 62262	
electrical shock protection class	Class I conforming to IEC 61140 Class I conforming to NF C 20-030	
ambient air temperature for operation	-13158 °F (-2570 °C)	
ambient air temperature for storage	-40158 °F (-4070 °C)	
protective treatment	TC	
product certifications	CCC CSA UL	
standards	EN/IEC 60204-1 EN/IEC 60947-5-1 UL 508 CSA C22.2 No 14	

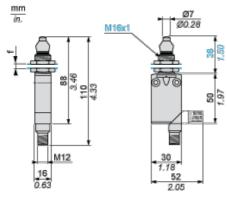
Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 1002 - Schneider Electric declaration of conformity	Compliant - since 1002 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
Need no specific recycling operations	Need no specific recycling operations
WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and	e Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and
Di-isodecyl phthalate (DIDP), which is known to the Stat of California to cause birth defects or other reproductive harm.	eDi-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 more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period 18 months	
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Dimensions

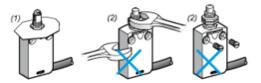


f: 8 mm max., panel cut-out Ø 16.5 mm, fixing nut thickness 3.5 mm.

Panel Mounting

Mounting and Fixing Limit Switches by the Head

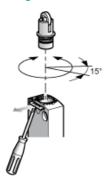




- (1) Recommended
- (2) Forbidden

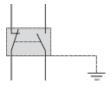
Setting-up

Plunger or Multi-directional Heads



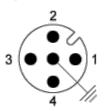
Wiring Diagram

2-pole NC + NO Snap Action + Integral M12 5-pin Connector



Wiring Diagram

5-pin, M12, 4A-60V



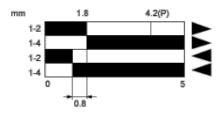
- 1 NC
- 2:
- 3 NO
- 4:
- 5: Grounding

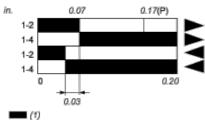
Characteristics of Actuation

Switch Actuation on End



Functionnal Diagram





- (2) (3) (4)
- (P) Positive opening point
- (1) Closed
- **(2)** Open
- (4) Tripping
- (5) Resetting