Product data sheet
Characteristics

XCKM110
limit switch XCKM - metal end plunger - 1NC +1NO - snap action - Pg11

Main

Range of product	OsiSense XC
Series name	Standard format
Product or component type	Limit switch
Device short name	XCKM
Body type	Fixed
Head type	Plunger head
Material	Metal
Body material	Zamak
Fixing mode	By the body
Movement of operating head	Linear
Type of operator	Spring return plunger metal
Type of approach	Vertical approach 1 direction
Cable entry	3 entries tapped for Pg 11 cable gland
Number of poles	2
Contacts type and composition	1 NC + 1 NO
Contacts operation	Snap action

Complementary

Switch actuation	On end
Electrical connection	Screw-clamp terminals, clamping capacity: 1 x 0.34...2 x 1.5 mm²
Contacts insulation form	Zb
Number of steps	1
Positive opening	With
Positive opening minimum force	45 N
Minimum force for tripping	15 N
Minimum actuation speed	0.01 m/min
Maximum actuation speed	0.5 m/s
Repeat accuracy	0.05 mm on the tripping points with 1 million operating cycles
Contact code designation	A300, AC-15 (Ue = 240 V, Ie = 3 A) conforming to EN/IEC 60947-5-1 appendix A Q300, DC-13 (Ue = 250 V, Ie = 0.27 A) conforming to EN/IEC 60947-5-1 appendix A
[Ithe] conventional enclosed thermal current	10 A AC
[Ui] rated insulation voltage	300 V conforming to UL 508 500 V degree of pollution 3 conforming to IEC 60947-1 300 V conforming to CSA C22.2 No 14
Resistance across terminals	<= 25 MOhm conforming to IEC 60255-7 category 3
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60664 6 kV conforming to IEC 60947-1
Short circuit protection	10 A by gG cartridge fuse
Electrical durability	5000000 cycles, DC-13, inductive load type, 120 V, 4 W, operating rate: <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 cycles, DC-13, inductive load type, 24 V, 7 W, operating rate: <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 cycles, DC-13, inductive load type, 48 V, 10 W, operating rate: <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C
Mechanical durability	20000000 cycles

Width	64 mm
Height	64 mm
Depth	30 mm
Product weight	0.25 kg
Terminals description ISO n°1	(13-14)NO (21-22)NC

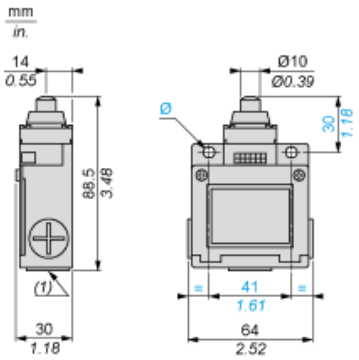
Environment

Shock resistance	50 gn (duration = 11 ms) conforming to EN/IEC 60068-2-27
Vibration resistance	25 gn (f = 10...500 Hz) conforming to EN/IEC 60068-2-6
IP degree of protection	IP66 conforming to EN/IEC 60529
IK degree of protection	IK05 conforming to EN 50102
Class of protection against electric shock	Class I conforming to IEC 61140 Class I conforming to NF C 20-030
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	EN 60204-1 EN 60947-5-1 IEC 60204-1 IEC 60947-5-1 UL 508 CSA C22.2 No 14

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1007 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product end of life instructions	Need no specific recycling operations

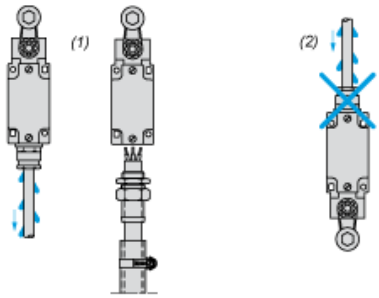
Dimensions



(1) 3 tapped entries Pg 11 cable gland
Ø : 2 elongated holes Ø 5.2 x 6.2

Mounting with Cable Entry

Position of Cable Gland



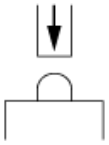
(1) Recommended
(2) To be avoided

Wiring Diagram

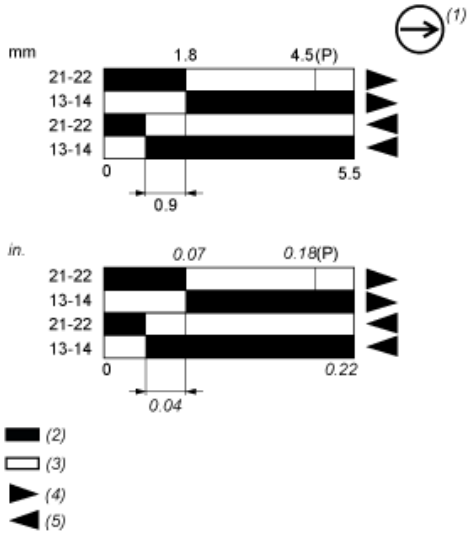
2-pole NC + NO Snap Action

Characteristics of Actuation

Switch Actuation on End



Functionnal Diagram



(P) Positive opening point
(1) NC contact with positive opening operation
(2) Closed
(3) Open
(4) Tripping
(5) Resetting