Product data sheet Characteristics

XCNR2110P20

limit switch XCNR - metal end plunger - 1NC +1NO - snap - M20





Main

Range of product	OsiSense XC
Series name	Standard format
Product or component type	Limit switch
Device short name	XCNR
Sensor design	Compact
Reset	With
Body type	Fixed
Head type	Plunger head
Material	Plastic
Body material	Plastic
Head material	Plastic
Fixing mode	By the body
Movement of operating head	Linear
Type of operator	Spring return plunger metal
Type of approach	Vertical approach 1 direction
Number of poles	2
Contacts type and composition	1 NC + 1 NO
Contacts operation	Snap action

Complementary

Complementary	
Switch actuation	On end
Electrical connection	Screw-clamp terminals, clamping capacity: 1 x 0.342 x 1.5 mm²
Cable entry	1 entry tapped for M20 x 1.5 cable gland, cable outer diameter: 713 mm
Contacts insulation form	Zb
Positive opening	With
Positive opening minimum force	30 N
Minimum force for tripping	15 N
Maximum actuation speed	0.5 m/s
Contact code designation	A300, AC-15 (Ue = 240 V, Ie = 3 A) , Ithe = 10 A conforming to EN/IEC 60947-5-1 appendix A R300, DC-13 (Ue = 250 V, Ie = 0.1 A) conforming to EN/IEC 60947-5-1 appendix A
[Ui] rated insulation voltage	300 V conforming to UL 508 500 V degree of pollution 3 conforming to EN/IEC 60947-1 300 V conforming to CSA C22.2 No 14
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60664 6 kV conforming to IEC 60947-1
Short circuit protection	10 A cartridge fuse type gG
Mechanical durability	100000 cycles

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not inherent or and is not to be used for determining suitability or inhability of these products for specific user applications. This documentation is not integrated to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Environment

Shock resistance	50 gn (duration = 11 ms) conforming to IEC 60068-2-27
Vibration resistance	25 gn 10500 Hz IEC 60068-2-6
IP degree of protection	IP65 conforming to IEC 60529
IK degree of protection	IK04 conforming to EN 50102
Class of protection against electric shock	Class II conforming to IEC 61140 Class II conforming to NF C 20030
Ambient air temperature for operation	-2570 °C
Ambient air temperature for storage	-4070 °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

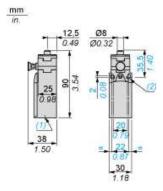
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1002 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold



Product data sheet **Dimensions Drawings**

XCNR2110P20

Dimensions



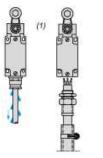
- (1) 1 tapped entry for M20 x 1.5
 (2) Ø: 2 elongated holes Ø 4.3 x 6.3 on 22 mm centres, 2 holes Ø 4.3 on 20 mm centres.

Product data sheet **Mounting and Clearance**

XCNR2110P20

Mounting with Cable Entry

Position of Cable Gland





- (1) (2) Recommended
- To be avoided

Product data sheet Connections and Schema

XCNR2110P20

Wiring Diagrams

2-pole NC + NO Snap Action



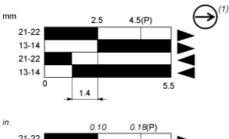
XCNR2110P20

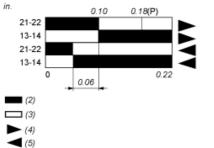
Characteristics of Actuation

Switch Actuation on End



Functionnal Diagram





- Positive opening point
- NC contact with positive opening operation

- (1) NC contact (2) Closed (3) Open (4) Tripping (5) Resetting Resetting