# XCPR2927G13





#### Main

OsiSense XC
Standard format
Limit switch
XCPR
Compact
With
Fixed
Plunger head
Plastic
Plastic
Zamak
By the body
Linear
Spring return roller lever plunger thermoplastic
Vertical approach 1 direction
1 entry tapped for Pg 13.5 cable gland, cable outer diameter: 0.350.47 in (912 mm)
2
1 NC + 1 NC
Snap action

### Complementary

Complementary	
Switch actuation	By 30° cam
Electrical connection	Screw-clamp terminals, clamping capacity: 1 x 0.342 x 1.5 mm <sup>2</sup>
Contacts insulation form	Zb
Positive opening	With
Positive opening minimum force	18 N
Minimum force for tripping	6 N
Maximum actuation speed	3.28 ft/s (1 m/s)
Contact code designation	Q300, DC-13 (Ue = 250 V, Ie = 0.27 A) conforming to EN/IEC 60947-5-1 appendix A A300, AC-15 (Ue = 240 V, Ie = 3 A) , Ithe = 10 A conforming to EN/IEC 60947-5-1 appendix A
[Ui] rated insulation voltage	500 V degree of pollution 3 conforming to EN 60947-1 500 V degree of pollution 3 conforming to IEC 60947-1 300 V conforming to UL 508 300 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-13 120 V 4 W <= 60 cyc/mn 0.5 IEC 60947-5-1 appendix C 5000000 cycles DC-13 24 V 10 W <= 60 cyc/mn 0.5 IEC 60947-5-1 appendix C 5000000 cycles DC-13 48 V 7 W <= 60 cyc/mn 0.5 IEC 60947-5-1 appendix C
Width	1.22 in (31 mm)
Height	2.56 in (65 mm)
Depth	1.18 in (30 mm)
Product weight	0.26 lb(US) (0.12 kg)
Terminals description ISO n°1	(11-12)NC (21-22)NC

# **Environment**

shock resistance	50 gn (duration = 11 ms) conforming to IEC 60068-2-27	
vibration resistance	25 gn (f = 10500 Hz) conforming to IEC 60068-2-6	
IP degree of protection	IP66 conforming to IEC 60529 IP67 conforming to IEC 60529	
IK degree of protection	IK04 conforming to EN 50102	
overvoltage category	Class II conforming to IEC 61140 Class II 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	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

Green Premium product	Green Premium product
Compliant - since 1136 - Schneider Electric declaration of conformity	Compliant - since 1136 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
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	Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and
Di-isodecyl phthalate (DIDP), which is known to the State 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

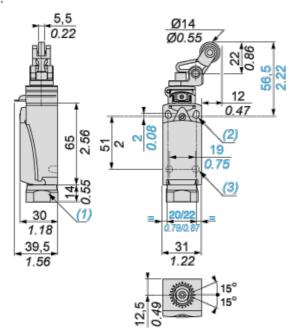
# Contractual warranty

Warranty period	18 months

# **Dimensions**



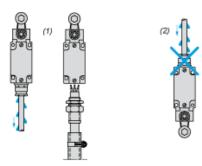
mm in.



- (1) Tapped entry for Pg 13.5 cable gland
- (2) 2 elongated holes  $\emptyset$  4.3 x 6.3 mm on 22 mm centres, 2 holes  $\emptyset$  4.3 on 20 mm centres.
- (3)  $2 \times \emptyset 3$  holes for support studs, depth 4 mm

# **Mounting with Cable Entry**

#### **Position of Cable Gland**



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

# **Wiring Diagrams**

2-pole NC + NC Snap Action

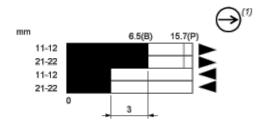


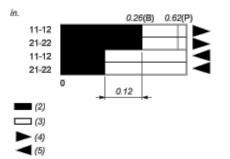
### **Characteristics of Actuation**

Switch Actuation by 30° Cam



# **Functionnal Diagram**





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