XCMD2515L1

limit switch XCMD - thermoplastic roller lever - 1NC+1NO - slow - 1 m

Green Premium™

Main

Range of product	OsiSense XC
Series name	Standard format
Product or component type	Limit switch
Device short name	XCMD
Sensor design	Miniature
Body type	Fixed
Head type	Rotary head
Material	Metal
Body material	Zamak
Head material	Zamak
Fixing mode	By the body
Movement of operating head	Rotary
Type of operator	Spring return roller lever thermoplastic
Type of approach	Lateral approach, 2 directions
Number of poles	2
Contacts type and composition	1 NC + 1 NO
Contact operation	Slow-break

Complementary

Tracks	24/31 mm
Switch actuation	By 30° cam
Electrical connection	Removable cable connector
Cable length	1 m
Cable composition	5 x 0.75 mm²
Wire insulation material	PvR
Contacts insulation form	Zb

Positive opening	With
Positive opening minimum force	0.5 N
Minimum force for tripping	0.1 N
Maximum actuation speed	1.5 m/s
Contact code designation	B300, AC-15 (Ue = 240 V), Ie = 1.5 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 (pollution degree 3) conforming to UL 508 400 V (pollution degree 3) conforming to IEC 60947-5-1 300 V (pollution degree 3) conforming to CSA C22.2 No 14
Maximum resistance across terminals	25 mOhm conforming to IEC 60255-7 category 3
[Uimp] rated impulse withstand voltage	IEC 60664 4 kV IEC 60947-1 4 kV
Short-circuit protection	6 A cartridge fuse, type gG
Electrical durability	5000000 cycles, DC-13, 120 V, 1 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 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	30 mm
Height	50 mm
Depth	16 mm
Net weight	0.22 kg

Environment

Shock resistance	25 gn for 18 ms conforming to IEC 60068-2-27
Vibration resistance	25 gn (f= 10…500 Hz) conforming to IEC 60068-2-6
IP degree of protection	IP66 conforming to IEC 60529 IP67 conforming to IEC 60529 IP68 conforming to IEC 60529
IK degree of protection	IK06 conforming to EN 62262
Overvoltage category	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	UL CCC CSA
Standards	UL 508 EN/IEC 60947-5-1 EN/IEC 60204-1 CSA C22.2 No 14

Packing Units

Package 1 Weight	0.208 kg
Package 1 Height	0.330 dm
Package 1 width	1.250 dm
Package 1 Length	1.250 dm

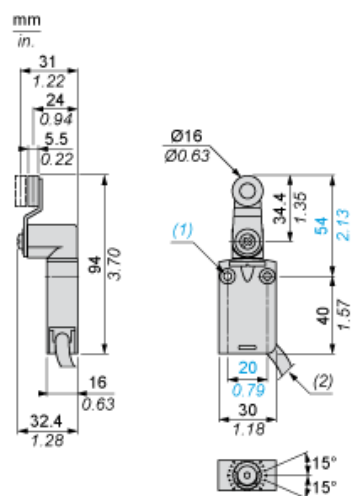## Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes

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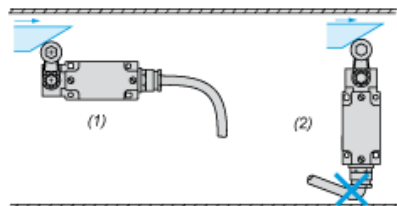| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |

Contractual warranty

| Warranty | 12 months |

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Dimensions

(1)   2 fixing holes Ø 4.2 mm, counterbored Ø 8 mm by 4 mm deep.
(2)   External diameter of cable 7.5 mm.
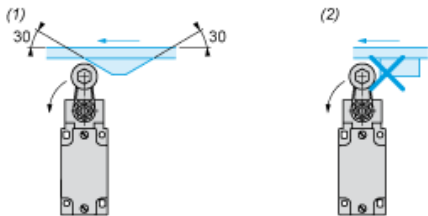
Mounting

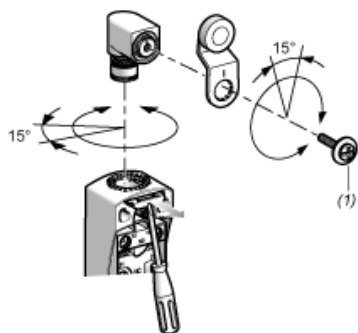### Sweep of Connecting Cable

(1) Recommended
(2) To be avoided

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Mounting with Rotary Heads and Levers

Type of Cam

(1)   Recommended
(2)   To be avoided

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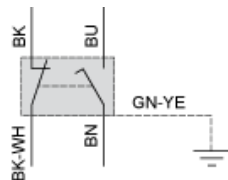
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Setting-up with Head ZCE01 and ZCE09

(1)   Tightening torque (Min : 1) (Max : 1.5)
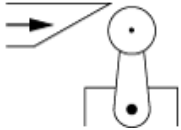
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Wiring Diagram

2-pole N/C + N/O Break before Make, Slow Break

(BK)   Black
(BK-WH) Black White
(BU)   Blue
(BN)   Brown
(GN-YE) Green Yellow

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Characteristics of Actuation

Switch Actuation by 30° Cam

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Functional Diagram

(P)   Positive opening point
(1)   NC contact with positive opening operation
(2)   Closed
(3)   Open
(BK)   Black
(BK-WH) Black White
(BU)   Blue
(BN)   Brown