

Main

Range of product	Osiswitch ATEX D
Series name	Classic
Product or component type	Limit switch
Product specific application	For conveyor belt shift monitoring
Device short name	XCR
Body type	Fixed
Head type	Rotary head
Material	Metal
Fixing mode	By the body
Type of operator	Spring return roller stainless steel with lever
Switch actuation	By conveyor belt
Type of approach	Lateral approach 2 directions
Electrical connection	Screw-clamp terminals 1 x 0.5...2 x 2.5 mm ²
Number of poles	2
Contacts type and composition	2 C/O
Contacts insulation form	Za
Contacts operation	Snap action
Number of steps	2
Positive opening	With
Minimum torque for tripping	1 N.m
Maximum actuation speed	1.5 m/s
IP degree of protection	IP65 IEC 60529

Complementary

Body material	Zinc alloy
Movement of operating head	Rotary
Cable entry	1 entry tapped for Pg 13.5 cable gland 9...12 mm NF C 68-300
Contact block per direction (control circuit)	1 per direction
Minimum actuation speed	0.01 m/min
Tripping angle	10 ° fault signalling 18 ° stopping of the conveyor belt
Maximum displacement angle	-90 ° 90 °
Contact code designation	A300 AC-15 240 V 3 A IEC 60947-5-1 appendix A A300 AC-15 240 V 3 A EN 60947-5-1 Q300 DC-13 250 V 0.27 A IEC 60947-5-1 appendix A Q300 DC-13 250 V 0.27 A EN 60947-5-1
[Ui] rated insulation voltage	300 V UL 508 500 V 3 IEC 60947-1 500 V 3 VDE 0110 500 V NF C 20-040 group C
Resistance across terminals	≤ 25 mOhm NF C 93-050 method A ≤ 25 mOhm IEC 60255-7 category 3
[Uimp] rated impulse withstand voltage	6 kV IEC 60947-1 6 kV IEC 60664
Short circuit protection	10 A cartridge fuse gG

Electrical durability	5000000 cycles DC-13 inductive 24 V 10 W ≤ 3600 cyc/h 0.5 DC IEC 60947-5-1 appendix C 5000000 cycles DC-13 inductive 120 V 4 W ≤ 3600 cyc/h 0.5 DC IEC 60947-5-1 appendix C 5000000 cycles DC-13 inductive 48 V 7 W ≤ 3600 cyc/h 0.5 DC IEC 60947-5-1 appendix C
Mechanical durability	300000 cycles
Marking	II2 D-Ex tD A21 IP65 T85°C
Width	85 mm
Height	95 mm
Depth	75 mm

Environment

Shock resistance	30 gn 18 ms IEC 60068-2-27
Vibration resistance	9 gn 10...500 Hz IEC 60068-2-6
Class of protection against electric shock	Class I IEC 60536 Class I NF C 20-030
Ambient air temperature for operation	-20...60 °C
Protective treatment	TC
Dust zone	Zone 21 - 22
Product certifications	INERIS 04ATEX0014X
Standards	Directive ATEX 94/9/EC EN 50014 EN 50281-1-1 IEC 61241-0 IEC 61241-1
RoHS EUR conformity date	3Q2009
RoHS EUR status	Will be compliant