Product data sheet
Characteristics

XCMW1H0
Wireless limit switch XCMW - M18 metal end plunger

Main

Range of product	Telemecanique Limit switches XC Standard
Series name	Standard format
Product or component type	Wireless limit switch
Device short name	XCMW
Body type	Fixed
Head type	M18 plunger head

Complementary

Body material	Plastic
Head material	Plastic
Lever material	Metal
Fixing mode	By 2 screws
Type of operator	Spring return plunger
Switch actuation	On end
Type of approach	On end approach, 1 direction
Communication network type	ZigBee green power - 2.4 GHz conforming to IEEE 802.15.4
Electrical composition code	PW1
Emission power	3 mW
Response time	<= 2 ms
Maximum sensing distance	100 M in free field 300 M with external antenna 25 m in industrial environment
Contact operation	Snap action
Number of steps	1
Maximum force for tripping	50 N
Maximum torque for tripping	0.5 N.m
Maximum actuation speed	0.1 m/s
Maximum operating rate	60 cyc/mn
Mechanical durability	400000 cycles
Switching operation per hour	3600
Width	30.0 mm
Height	108 mm
Depth	16.0 mm
Net weight	0.082 kg

Environment

Electromagnetic compatibility	Radiated emission Immunity for industrial environments Susceptibility to electromagnetic fields - test level: 3 V/m (80...2700 MHz, distance = 20 m) Susceptibility to electromagnetic fields - test level: 10 V/m (80...2000 MHz) Electrostatic discharge immunity test - test level: 6 kV (on contact (on metal parts)) Electrostatic discharge immunity test - test level: 8 kV (in free air (in insulating parts))
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27
Vibration resistance	25 gn (f= 10…500 Hz) conforming to IEC 60068-2-6 +/- 10 mm (f= 2…11 Hz) conforming to IEC 60068-2-6
IP degree of protection	IP65 conforming to IEC 60529
IK degree of protection	IK04 conforming to IEC 62262
Ambient air temperature for operation	-25…55 °C
Ambient air temperature for storage	-40…70 °C
Directives	1999/5/EC - R&TTE directive 2004/108/EC - electromagnetic compatibility
Standards	IEC 60947-5-1 IEC 60947-1
Radio agreement	IC conforming to RSS FCC conforming to RCM

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.2 cm
Package 1 Width	4.7 cm
Package 1 Length	12.7 cm
Package 1 Weight	90 g

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: 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. For more information go to www.P65Warnings.ca.gov
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com