Pressure switch, 1W, 7bar, 0.2bar

Part no. MCS4 019711

EL Number 4356105

(Norway)



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Crifications CSA-CC222 No. 14 IECSEN 86997-5-1 CSA Fee No. 107229 CSA Class No. 2011-08 Product Tradename MS Product Type Product Sub Type None Catalog Notes Catalog Note	Cash Control Reserved Cash	Product width	60 millimetre
CSA-CEZEZ 2No 1 IECCIN 08917-51 CSA Fiel No. LITZSP Product Tradename	Product Tardename Product Tardename Product Tardename Product Tardename Product Sap Type Results about Sap Type Results Sap T	Product weight	0.383 kilogram
Product Type Product Sub Type Catalog Notes	Product Type Product Sub Type Catalog Notes	Certifications	CSA-CC22.2 No. 14 IEC/EN 60947-5-1 CSA File No.: 012528
Product Sub Type Catalog Notes Catalog Notes Mote on use: This product complies with Low-Voltage Directive 2014/58/EC and meets the requirements in EN 05947-5-1. This product does not need the rall industry's standard requirements. Accordingly, the user must review it separately for the specific application at hand. Features Electric connection type Electric connection type Features General information Actuator diameter Burishing pressure O mm Burishing pressure O mm Burishing pressure O meet Inneed thread gas cylindrical (BSPP) Connection Page of protection IPPS MEMA Other Lifespan, electrical I 1,000,000 Operations IPPS Operating frequency I 1900 perating switching differential I 1900 perating frequency I	Product Sub Type Catalog Notes Catalog Catalog Notes Catalog	Product Tradename	MCS
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Bursting pressure Connection Connection Connection type Tunnel terminal Degree of protection Lifespan, electrical Operating frequency Operating frequency Operating pressure - max Overvoltage category Ill Pollution degree Rated impulse withstand voltage (Uimp) Suitable as Ambient conditions, mechanical Mounting position Wordstance Vibration resistance Vibration resistance Cilimatic environmental conditions at the first pressure by the period of the pressure by the period of the per	Bursting pressure Connection Connection Connection type Degree of protection Lifespan, electrical Lifespan, electrical Operating frequency Operating pressure - max Operati	General information	
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Connection type Degree of protection Lifespan, electrical Operating frequency Operating pressure - max Overovbtage category Pollution degree Product category Rated impulse withstand voltage (Uimp) Suitable as Prossure switches Test pressure Mounting position Mounting position Shock resistance Vibration resistance Vibration resistance Climatic environmental conditions Ambient operating temperature - max Climatic proofing Environmental conditions Environmental conditions Environmental conditions Environmental conditions Compliant to 2014/38/FC, 2014/30/EC and EN 660947-5-1. Accordingly, the user must review it separately for the specifica application at hand.	Connection type Degree of protection Degree of protection Lifespan, electrical Operating frequency Operating pressure - max Overvoltage category Product category Product category Rated impulse withstand voltage (Uimp) Suitable as Prossure Ambient conditions, mechanical Mounting position Shock resistance Vibration resistance Climatic environmental conditions Ambient operating temperature - min Ambient operating temperature - max Climatic proofing Environmental conditions Environmental conditions Environmental conditions Tunnel terminal Interest pressure Toom position Tunnel terminal 1,000,000 Operations, // 1,000		Inner thread gas cylindrical (BSPP)
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Overvoltage category Pollution degree Product category Rated impulse withstand voltage (Uimp) Suitable as Pressure switches Ambient conditions, mechanical Mounting position Shock resistance Vibration resistance Vibration resistance Climatic environmental conditions Ambient operating temperature - min Ambient operating temperature - max Climatic proofing Environmental conditions Environmental conditions Compliant to 2014/35/EC, 2014/30/EC and EN 60947-5-1. Accordingly, the user must review it separately for the specific application at hand.	Overvoltage category Pollution degree Product category Rated impulse withstand voltage (Uimp) Suitable as Ambient conditions, mechanical Mounting position Mounting position Shock resistance Vertical and 90° in all directions Shock resistance 10 g, Mechanical, according to IEC/EN 60068-2-77, Half-sinusoidal shock 20 ms Vibration resistance Climatic environmental conditions Ambient operating temperature - min Ambient operating temperature - max Climatic proofing Environmental conditions Environmental conditions Compliant to 2014/35/EC, 2014/30/EC and EN 60947-5-1. Accordingly, the user mus review it separately for the specific application at hand.	Operating frequency	1500 Operations/h
Pollution degree Product category Rated impulse withstand voltage (Uimp) 4000 V AC Suitable as 2-point controller Guard Test pressure Ambient conditions, mechanical Mounting position Shock resistance 10 g, Mechanical, according to IEC/EN 60068-2-77, Half-sinusoidal shock 20 ms Vibration resistance 10 g, Mechanical, according to IEC/EN 60068-2-6) Climatic environmental conditions Ambient operating temperature - min Ambient operating temperature - max Climatic proofing Environmental conditions Environmental conditions Compliant to 2014/35/EC, 2014/30/EC and EN 60947-5-1. Accordingly, the user must review it separately for the specific application at hand.	Pollution degree 3 Product category Pressure switches Rated impulse withstand voltage (Uimp) 4000 V AC Suitable as 2-point controller Guard Test pressure 32 bar Ambient conditions, mechanical Vertical and 90° in all directions Shock resistance 10 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms Vibration resistance 36 Hz, Amplitude 1 mm, (IEC/EN 60068-2-6) Climatic environmental conditions Ambient operating temperature - min -25 °C Climatic proofing Damp heat, constant, to IEC 60068-2-78 Damp heat, constant, to IEC 60068-2-30 Environmental conditions Compliant to 2014/35/EC, 2014/30/EC and EN 60947-5-1. Accordingly, the user mus review it separately for the specific application at hand.	Operating pressure - max	7000 hPa
Product category Rated impulse withstand voltage (Uimp) Suitable as 2-point controller Guard Test pressure 32 bar Ambient conditions, mechanical Mounting position Vertical and 90° in all directions Shock resistance 10 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms Vibration resistance Climatic environmental conditions Ambient operating temperature - min Ambient operating temperature - max Climatic proofing Environmental conditions Environmental conditions Compliant to 2014/35/EC, 2014/30/EC and EN 60947-5-1. Accordingly, the user must review it separately for the specific application at hand.	Product category Rated impulse withstand voltage (Uimp) Suitable as 2-point controller Guard Test pressure Ambient conditions, mechanical Mounting position Shock resistance Vibration resistance Vibration resistance Indicate environmental conditions Ambient operating temperature - min Ambient operating temperature - max Climatic proofing Environmental conditions Compliant to 2014/35/EC, 2014/30/EC and EN 60947-5-1. Accordingly, the user mus review it separately for the specific application at hand.	Overvoltage category	III
Rated impulse withstand voltage (Uimp) Suitable as 2-point controller Guard 32 bar Ambient conditions, mechanical Mounting position Vertical and 90° in all directions Shock resistance 10 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms Vibration resistance Climatic environmental conditions Ambient operating temperature - min Ambient operating temperature - max Climatic proofing Environmental conditions Environmental conditions Compliant to 2014/35/EC, 2014/30/EC and EN 60947-5-1. Accordingly, the user must review it separately for the specific application at hand.	Rated impulse withstand voltage (Uimp) Suitable as 2-point controller Guard Test pressure 32 bar Ambient conditions, mechanical Mounting position Vertical and 90° in all directions Shock resistance 10 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms Vibration resistance 36 Hz, Amplitude 1 mm, (IEC/EN 60068-2-6) Climatic environmental conditions Ambient operating temperature - min Ambient operating temperature - max Climatic proofing Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 Environmental conditions Compliant to 2014/35/EC, 2014/30/EC and EN 60947-5-1. Accordingly, the user mus review it separately for the specific application at hand.	Pollution degree	3
Suitable as 2-point controller Guard Test pressure 32 bar Ambient conditions, mechanical Mounting position Shock resistance 10 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms Vibration resistance 36 Hz, Amplitude 1 mm, (IEC/EN 60068-2-6) Climatic environmental conditions Ambient operating temperature - min -25 °C Ambient operating temperature - max 70 °C Climatic proofing Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 Environmental conditions Compliant to 2014/35/EC, 2014/30/EC and EN 60947-5-1. Accordingly, the user must review it separately for the specific application at hand.	Suitable as 2-point controller Guard Test pressure 32 bar Ambient conditions, mechanical Mounting position Shock resistance 10 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms Vibration resistance 36 Hz, Amplitude 1 mm, (IEC/EN 60068-2-6) Climatic environmental conditions Ambient operating temperature - min -25 °C Ambient operating temperature - max 70 °C Climatic proofing Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 Environmental conditions Compliant to 2014/35/EC, 2014/30/EC and EN 60947-5-1. Accordingly, the user mus review it separately for the specific application at hand.	Product category	Pressure switches
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Ambient operating temperature - min Ambient operating temperature - max 70 °C Climatic proofing Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 Environmental conditions Compliant to 2014/35/EC, 2014/30/EC and EN 60947-5-1. Accordingly, the user must review it separately for the specific application at hand.	Ambient operating temperature - min Ambient operating temperature - max 70 °C Climatic proofing Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 Environmental conditions Compliant to 2014/35/EC, 2014/30/EC and EN 60947-5-1. Accordingly, the user must review it separately for the specific application at hand.	Shock resistance	10 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms
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Environmental conditions Compliant to 2014/35/EC, 2014/30/EC and EN 60947-5-1. Accordingly, the user must review it separately for the specific application at hand.	Damp heat, cyclic, to IEC 60068-2-30 Environmental conditions Compliant to 2014/35/EC, 2014/30/EC and EN 60947-5-1. Accordingly, the user mus review it separately for the specific application at hand.		
review it separately for the specific application at hand.	review it separately for the specific application at hand.		Damp heat, cyclic, to IEC 60068-2-30
	Terminal capacities		

Terminal capacity (flexible with ferrule)	1 x (0.5 - 1.5) mm ² , ferrules to DIN 46228
, , ,	1 1 1
Terminal capacity (solid)	2 x (0.75 - 1.5) mm ² 1 x (0.75 - 2.5) mm ²
Screw size	M3, Terminal screw
Tightening torque	0.5 Nm, Screw terminals
Electrical rating	
Rated frequency - max	50 Hz
Rated insulation voltage (Ui)	400 V
Rated operational current (le)	2 A at DC-13, 24 V 2 A at AC-15, 230 V, 50/60Hz 0.25 A at DC-13, 110 V
Rated operational current (Ie) at AC-1, 380 V, 400 V, 415 V	0 A
Rated operational current (Ie) at AC-3, 380 V, 400 V, 415 V	0 A
Rated operational power at AC-3, 380/400 V, 50 Hz	0 kW
Rated operational voltage (Ue) at AC - min	0 V
Rated operational voltage (Ue) at AC - max	230 V
Rated operational voltage (Ue) at DC - min	0 V
Rated operational voltage (Ue) at DC - max	110 V
Short-circuit rating	
Short-circuit protection	PKZM0-6,3, Fuseless
Short-circuit protection rating	Max. 10 A gG/gL, Fuse, Contacts
Contacts	
Number of auxiliary contacts (change-over contacts)	1
Number of auxiliary contacts (normally closed contacts)	0
Number of auxiliary contacts (normally open contacts)	0

Technical data ETIM 9.0

Low-voltage industrial components (EG000017) / Pressure switch (EC000243)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Monitoring equipment (low-voltage switch technology) / Pressure monitoring equipment (eci@ss13-27-37-18-14 (AKF108019))

(ecl@ss13-27-37-18-14 [AKF108019])			
Suitable as guard			Yes
Suitable as 2-point controller			Yes
Suitable as limiter			No
Max. operating pressure	hF	Pa	7000
Engaging pressure	ba	ar	0 - 4.2
Initial setting	hF	Pa	0 - 0
Switch off pressure	ba	ar	0 - 4.5
End setting	hF	Pa	0 - 0
Pressure-switching differential	ba	ar	0
Max. test pressure	ba	ar	32
Bursting pressure	ba	ar	90
Medium temperature	°C	C	25 - 80
Connection			Internal thread cylindrical BSPP-G (ISO 228-1)
Thread size			1/2 inch
Rated voltage Ue at AC 50 Hz	V		0 - 230
Rated voltage Ue at AC 60 Hz	V		0 - 230
Rated voltage Ue at DC	V		0 - 110
Initial value measuring range pressure	Pa	а	0
End value measuring range pressure	Pa	a	0
Rated operation power at AC-3, 400 V	kV	W	0
Switching capacity at AC-3, 240 V	k.A	Д	0
Rated operation current le at AC-1, 400 V	А		0
Rated operation current le at AC-3, 400 V	А		0
Number of auxiliary contacts as normally open contact			0
Number of auxiliary contacts as normally closed contact			0
Number of auxiliary contacts as change-over contact			1

Type of electric connection		Screw connection
Number of normally closed contacts as main contact		0
Number of normally open contacts as main contact		0
Adjustable current range	Α	0 - 0
With hand operation		No
With manual on/off switch		No
Electronic version		No
With display		No
Explosion-proof		No
Degree of protection (IP)		IP65
Degree of protection (NEMA)		Other
Height	mm	111
Width	mm	60
Diameter	mm	0
Depth	mm	96