

Eaton 019711

Catalog Number: 019711

Eaton Moeller® series MCS Pressure switch, 1W, 7bar, 0.2bar



General specifications

Product Name	Catalog Number
Eaton Moeller® series MCS Pressure switch	019711
	EAN
	4015080197119
Model Code	Product Length/Depth
MCS4	96 mm
Product Height	Product Width
111 mm	60 mm
Product Weight	Certifications
0.383 kg	CSA
	CSA Class No.: 3211-06
	IEC/EN 60947-5-1
	CSA-CC22.2 No. 14
	CSA File No.: 012528

Catalog Notes

Note on use:

This product complies with Low-Voltage Directive 2014/35/EC and EMC Directive 2014/30/EC and meets the requirements in EN 60947-5-1.

This product does not meet

Features & Functions

Electric connection type

Screw connection

Features

Variable switching differential

General

Actuator diameter

0 mm

Bursting pressure

90 bar

Connection

Inner thread gas cylindrical (BSPP)

Connection type

Tunnel terminal

Degree of protection

IP65

NEMA Other

Lifespan, electrical

1,000,000 Operations

Operating frequency

1500 Operations/h

Operating pressure - max

7000 hPa

Overvoltage category

III

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

Mounting position

Vertical and 90° in all directions

Shock resistance

Climatic environmental conditions

Ambient operating temperature - min

-25 °C

Ambient operating temperature - max

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)

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.

Terminal capacities

Terminal capacity (flexible with ferrule)

1 x (0.5 - 1.5) mm², ferrules to DIN 46228

Terminal capacity (solid)

2 x (0.75 - 1.5) mm²

1 x (0.75 - 2.5) mm²

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 (Ie)

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

Contacts

Number of auxiliary contacts (change-over contacts)

1

Number of auxiliary contacts (normally closed contacts)

Max. 10 A gG/gL, Fuse, Contacts

0

Number of auxiliary contacts (normally open contacts)

0

Resources

Catalogs

[eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf](#)

Characteristic curve

132U001

[eaton-pressure-switches-diagram-mcs-pressure-switch-characteristic-curve.eps](#)

Declarations of conformity

[DA-DC-00004159.pdf](#)

[DA-DC-00004137.pdf](#)

Drawings

132X002

132X006

132X005

132X003

[eaton-pressure-switches-switch-mcs-pressure-switch-dimensions.eps](#)

[eaton-pressure-switches-mcs-pressure-switch-dimensions.eps](#)

[eaton-pressure-switches-switch-mcs-pressure-switch-dimensions-003.eps](#)

[eaton-pressure-switches-switch-mcs-pressure-switch-dimensions-002.eps](#)

Installation instructions

[IL05212001Z](#)

mCAD model

[eaton-cadenas-front_view-mcs_n_front.pra](#)

[mcs_n.dwg](#)

[mcs_n.stp](#)

[eaton-cadenas-top_view-mcs_n_top.pra](#)

[eaton-cadenas-side_view-mcs_n_side.pra](#)

[eaton-cadenas-path-mcs-mcs_n.3db](#)



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