



Eaton 071689

Eaton Moeller® series AT4 Position switch, 1N/O+1N/C, narrow, IP65_x, spring-rod actuator AT4/11-S/I/F2

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PRODUCT NAME	Eaton Moeller® series AT4 Position switch
CATALOG NUMBER	071689
PRODUCT LENGTH/DEPTH	42 mm
PRODUCT HEIGHT	265 mm
PRODUCT WIDTH	40 mm
PRODUCT WEIGHT	0.131 kg
CERTIFICATIONS	CSA UL 508 CSA Class No.: 3211-03 IEC/EN 60947-4-1 UL File No.: E29184 IEC/EN 60947 CE CSA File No.: 012528 CSA-C22.2 No. 14 UL Category Control No.: NKCR UL



Powering Business Worldwide

TYPE	Position switch
FEATURES	Forced opening Snap-action contact
10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.
10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT	Meets the product standard's requirements.
10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS	Meets the product standard's requirements.
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Meets the product standard's requirements.
10.2.5 LIFTING	Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 MECHANICAL IMPACT	Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 INSCRIPTIONS	Meets the product standard's requirements.
10.3 DEGREE OF PROTECTION OF ASSEMBLIES	Does not apply, since the entire switchgear needs to be evaluated.

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□□□	eaton-position-switches-contact-ls-wiring-diagram.eps
□□□□□	eaton-position-switches-diagram-at4-contact-travel-diagram-011.eps
	eaton-position-switches-switch-at4-dimensions-002.eps
	eaton-position-switches-enclosure-at4-dimensions-002.eps
□□	eaton-general-at0-position-switch-symbol.eps
	eaton-position-switches-spring-rod-at4-3d-drawing-002.eps
	eaton-operating-button-symbol-007.eps

10.4 CLEARANCES AND CREEPAGE DISTANCES	Meets the product standard's requirements.
10.5 PROTECTION AGAINST ELECTRIC SHOCK	Does not apply, since the entire switchgear needs to be evaluated.
10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS	Does not apply, since the entire switchgear needs to be evaluated.
10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	Is the panel builder's responsibility.
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	Is the panel builder's responsibility.
10.9.3 IMPULSE WITHSTAND VOLTAGE	Is the panel builder's responsibility.
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Is the panel builder's responsibility.
ELECTRIC CONNECTION TYPE	Cable entry metrical
ENCLOSURE MATERIAL FINISHING	Other
OPERATING FREQUENCY	6000 Operations/h
POLLUTION DEGREE	3
ACTUATOR ALIGNMENT	Roller cam straight
CLIMATIC PROOFING	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
ENCLOSURE MATERIAL	Insulated material Plastic
ENCLOSURE TYPE	Cuboid
RATED OPERATIONAL CURRENT (IE) AT DC-13, 110 V	1 A
RATED OPERATIONAL CURRENT (IE) AT DC-13, 125 V	1 A
RATED OPERATIONAL CURRENT (IE) AT DC-13, 220 V, 230 V	0.4 A
RATED OPERATIONAL CURRENT (IE) AT DC-13, 24 V	10 A
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	6 A
SENSOR HEIGHT	83 mm

SENSOR LENGTH	0 mm
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W
VOLTAGE RATING - MAX	600 V
WIDTH SENSOR	40 mm
PRODUCT CATEGORY	Spring-rod actuator
ACTION	2021118113756-Mechanical Limit Switches.xlsm-Data
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	6000 V AC
ENCLOSURE COLOR	Gray
ACTUATING FORCE AT BEGINNING/END OF STROKE	8.0 N/20.0 N
EXPLOSION SAFETY CATEGORY FOR DUST	None
EXPLOSION SAFETY CATEGORY FOR GAS	None
ACTUATOR TYPE	Spring-rod
ACTUATING TORQUE OF ROTARY DRIVES	0.3 Nm
ACTUATOR LENGTH	130 mm
AMBIENT OPERATING TEMPERATURE - MAX	70 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
DIAMETER SENSOR	0 mm
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0.1 W
NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)	0
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	1
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	1
NUMBER OF SAFETY AUXILIARY CONTACTS	1

RATED INSULATION VOLTAGE (UI)	500 V
RATED OPERATIONAL CURRENT (IE) AT AC-15, 125 V	0 A
RATED OPERATIONAL CURRENT (IE) AT AC-15, 220 V, 230 V, 240 V	6 A
RATED OPERATIONAL CURRENT (IE) AT AC-15, 24 V	10 A
RATED OPERATIONAL CURRENT (IE) AT AC-15, 380 V, 400 V, 415 V	4 A
MOUNTING POSITION	As required
RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)	1 kA
OVERVOLTAGE CATEGORY	III
CONNECTION TYPE	Screw terminal
TEMPERATURE RESISTANCE	100 °C, Contact temperature of roller head
DEGREE OF PROTECTION	IP65 NEMA 3R, 4X, 13
INTERFACE TYPE	None
SWITCH FUNCTION TYPE	Quick-break switch
LIFESPAN	8,000,000 mechanical Operations
REPETITION ACCURACY	0.02 mm (Contacts/switching capacity)
SHOCK RESISTANCE	2 g, Snap-action contact, Mechanical, Half-sinusoidal shock 20 ms 5 g, Standard-action contact, Mechanical, Half-sinusoidal shock 20 ms
SUPPLY FREQUENCY	Max. 400 Hz, Contacts
SUITABLE FOR	Branch circuits, (UL/CSA) Safety functions
SHORT-CIRCUIT PROTECTION RATING	Max. 6 A gG/gL, Fuse, Contacts
TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)	1 x (0.5 - 1.5) mm ² 2 x (0.5 - 1.5) mm ²
TERMINAL CAPACITY (SOLID)	1 x (0.75 - 2.5) mm ² 2 x (0.75 - 1.5) mm ²

