

## Eaton 111508

Eaton Moeller® series M22 Joystick, with 2 operating points per operating direction, With plastic shaft, 2 positions, Bezel: titanium, momentary, Horizontal

<b>PRODUCT NAME</b>	Eaton Moeller® series M22 Joystick
<b>CATALOG NUMBER</b>	111508
<b>PRODUCT LENGTH/DEPTH</b>	100 mm
<b>PRODUCT HEIGHT</b>	30 mm
<b>PRODUCT WIDTH</b>	30 mm
<b>PRODUCT WEIGHT</b>	0.028 kg
<b>CERTIFICATIONS</b>	VDE 0660 IEC/EN 60947
<b>CATALOG NOTES</b>	These joysticks are combined with normal normally open contacts M22-K10 and NO early-make contacts M22-K10P.



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<b>SPECIAL FEATURES</b>	2 operating points
<b>TYPE</b>	Joystick
<b>BEZEL</b>	Silver
<b>PRODUCT CATEGORY</b>	RMQ-Titan
<b>ACTUATOR FUNCTION</b>	Momentary Horizontal
<b>10.10 TEMPERATURE RISE</b>	Not applicable.
<b>10.11 SHORT-CIRCUIT RATING</b>	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
<b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
<b>10.13 MECHANICAL FUNCTION</b>	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
<b>10.2.2 CORROSION RESISTANCE</b>	Meets the product standard's requirements.
<b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>	Meets the product standard's requirements.
<b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>	Meets the product standard's requirements.
<b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b>	Meets the product standard's requirements.
<b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>	Please enquire
<b>10.2.5 LIFTING</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.2.6 MECHANICAL IMPACT</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.2.7 INSCRIPTIONS</b>	Meets the product standard's requirements.
<b>10.3 DEGREE OF</b>	Does not apply, since the

<b>DECLARATIONS OF CONFORMITY</b>	<a href="#">eaton-pushbutton-declaration-of-conformity-uk251341en.pdf</a>
	<a href="#">eaton-key-operated-actuator-declaration-of-conformity-uk251348en.pdf</a>
	<a href="#">IL04716002Z</a>
	<a href="#">eaton-operating-m22-joystick-dimensions.eps</a>
	<a href="#">eaton-operating-operating-m22-joystick-dimensions.eps</a>
	<a href="#">eaton-operating-operating-m22-joystick-symbol.eps</a>
/	<a href="#">RMQ_small E-Stop emergency-stop button</a>

<b>PROTECTION OF ASSEMBLIES</b>	entire switchgear needs to be evaluated.
<b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>	Meets the product standard's requirements.
<b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>	Is the panel builder's responsibility.
<b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>	Is the panel builder's responsibility.
<b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>	Is the panel builder's responsibility.
<b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>	Is the panel builder's responsibility.
<b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>	Is the panel builder's responsibility.
<b>FITTED WITH:</b>	Front ring Plastic shaft Retraction in 0-position 2 operating points per operating direction
<b>OPERATING FREQUENCY</b>	2000 Operations/h
<b>CLIMATIC PROOFING</b>	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
<b>CONNECTION TO SMARTWIRE-DT</b>	No
<b>ACTUATING FORCE</b>	5 N
<b>AMBIENT OPERATING TEMPERATURE - MAX</b>	70 °C
<b>AMBIENT OPERATING TEMPERATURE - MIN</b>	-25 °C
<b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID</b>	0 W
<b>FORCE FOR POSITIVE OPENING - MIN</b>	0 N
<b>HEAT DISSIPATION CAPACITY PDISS</b>	0 W
<b>HEAT DISSIPATION PER POLE, CURRENT-</b>	0 W

<b>DEPENDENT PVID</b>	
<b>JOYSTICK LENGTH</b>	75 mm
<b>NUMBER OF ACTUATION DIRECTIONS</b>	2
<b>NUMBER OF CONTACTS (NORMALLY CLOSED) PER ACTUATION DIRECTION</b>	0
<b>NUMBER OF CONTACTS (NORMALLY OPEN) PER ACTUATION DIRECTION</b>	0
<b>NUMBER OF MAKE-AND-BREAK CONTACTS PER DIRECTION</b>	0
<b>NUMBER OF SWITCH LEVELS</b>	2
<b>OPENING DIAMETER</b>	22.5 mm
<b>RATED OPERATIONAL CURRENT (IE) AT AC-21, 400 V, 415 V</b>	0 A
<b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b>	0 A
<b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>	0 W
<b>BEZEL COLOR</b>	Titanium
<b>BEZEL MATERIAL</b>	Plastic
<b>MOUNTING POSITION</b>	As required
<b>NUMBER OF POSITIONS</b>	2
<b>DEGREE OF PROTECTION</b>	IP66 NEMA 4X, 13
<b>LIFESPAN, MECHANICAL</b>	100,000 Operations
<b>SHOCK RESISTANCE</b>	30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27

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**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

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