

# Specifications

## Eaton 216645

Eaton Moeller® series M22 Pushbutton, RMQ-Titan, Extended, momentary, green, Blank, Bezel: black

### General specifications

<b>PRODUCT NAME</b>	Eaton Moeller® series M22 pushbutton
<b>CATALOG NUMBER</b>	216645
<b>MODEL CODE</b>	M22S-DH-G
<b>EAN</b>	4015082166458
<b>PRODUCT LENGTH/DEPTH</b>	30 mm
<b>PRODUCT HEIGHT</b>	35 mm
<b>PRODUCT WIDTH</b>	30 mm
<b>PRODUCT WEIGHT</b>	0.012 kg
<b>CERTIFICATIONS</b>	IEC/EN 60947 CSA Class No.: 3211-03 CSA-C22.2 No. 14-05 UL File No.: E29184 VDE 0660 CSA CSA-C22.2 No. 94-91 CSA File No.: 012528 UL 508 UL Category Control No.: NKCR CE IEC/EN 60947-5 UL DNV GL LR
<b>GLOBAL CATALOG</b>	216645
<b>PRODUCT TYPE</b>	Pushbutton



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## Product specifications

<b>TYPE</b>	Pushbutton actuator
<b>ACTUATOR COLOR</b>	Green
<b>ACTUATOR FUNCTION</b>	Spring-return Momentary
<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 PROTECTION OF ASSEMBLIES</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>	Meets the product standard's requirements.
<b>10.5 PROTECTION</b>	Does not apply, since the

## Resources

	<a href="#">eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf</a>
CATALOGS	<a href="#">eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf</a>
DECLARATIONS OF CONFORMITY	<a href="#">eaton-double-actuator-pushbutton-declaration-of-conformity-eu251536en.pdf</a>
	<a href="#">eaton-operating-pushbutton-m22-dimensions.eps</a>
	<a href="#">eaton-operating-pushbutton-m22-dimensions-005.eps</a>
	<a href="#">eaton-general-m22-standards.eps</a>
DRAWINGS	<a href="#">eaton-operating-samrtwire-m22-3d-drawing-002.eps</a>
	<a href="#">eaton-general-approval-m22-symbol.eps</a>
	<a href="#">eaton-general-m22-symbol.eps</a>
	<a href="#">eaton-operating-button-symbol-004.eps</a>
ECAD MODEL	<a href="#">ETN.216645.edz</a>
INSTALLATION INSTRUCTIONS	<a href="#">IL04716002Z</a>
MCAD MODEL	<a href="#">eaton-pushbuttons-mcad-drawings-drucktaste-hoch.dwg</a>
	<a href="#">DA-CS-drucktaste_hoch</a>
SPECIFICATIONS AND DATASHEETS	<a href="#">Eaton Specification Sheet - 216645</a>

<b>AGAINST ELECTRIC SHOCK</b>	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
<b>OPERATING FREQUENCY</b>	3600 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>	Yes With SWD-RMQ connections
<b>ACTUATING FORCE</b>	5 N
<b>AMBIENT OPERATING TEMPERATURE - MAX</b>	70 °C
<b>AMBIENT OPERATING TEMPERATURE - MIN</b>	-25 °C
<b>AMBIENT STORAGE TEMPERATURE - MAX</b>	80 °C
<b>AMBIENT STORAGE TEMPERATURE - MIN</b>	40 °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-DEPENDENT PVID</b>	0 W
<b>NUMBER OF COMMAND POSITIONS</b>	1
<b>OPENING DIAMETER</b>	22.5 mm
<b>RATED OPERATIONAL CURRENT FOR SPECIFIED</b>	0 A

<b>HEAT DISSIPATION (IN)</b>	
<b>BEZEL COLOR</b>	Black
<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
<b>BEZEL MATERIAL</b>	Plastic
<b>DESIGN</b>	Extended Classical
<b>MOUNTING POSITION</b>	As required
<b>DEGREE OF PROTECTION</b>	NEMA 13 IP66 NEMA 4X NEMA 12 IP67 NEMA 3R IP69K
<b>DEGREE OF PROTECTION (FRONT SIDE)</b>	NEMA 4X IP67/IP69K
<b>INSCRIPTION</b>	Blank
<b>FRONT ELEMENT TYPE</b>	High
<b>LENS TYPE</b>	Round
<b>LIFESPAN, MECHANICAL</b>	5,000,000 Operations
<b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>	0 W
<b>PRODUCT CATEGORY</b>	RMQ-Titan
<b>SIZE</b>	Front dimensions: 22 x 22 mm

**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATE:**



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