

# Specifications

Photo is representative

## Eaton 216824

Eaton Moeller® series M22 Illuminated selector switch actuator, RMQ-Titan, With thumb-grip, maintained, 2 positions, White, Bezel: black

### General specifications

<b>PRODUCT NAME</b>	Eaton Moeller® series M22 illuminated selector switch
<b>CATALOG NUMBER</b>	216824
<b>MODEL CODE</b>	M22S-WRLK-W
<b>EAN</b>	4015082168247
<b>PRODUCT LENGTH/DEPTH</b>	46 mm
<b>PRODUCT HEIGHT</b>	30 mm
<b>PRODUCT WIDTH</b>	30 mm
<b>PRODUCT WEIGHT</b>	0.013 kg
<b>COMPLIANCES</b>	CE Marked
<b>CERTIFICATIONS</b>	IEC 60947-5 CSA Std. C22.2 No. 94-91 EN 60947-5 UL 508 CSA Std. C22.2 No. 14-05 VDE CSA Class No.: 3211-03 CSA-C22.2 No. 94-91 IEC/EN 60947 UL File No.: E29184 VDE 0660 CSA-C22.2 No. 14-05 CE CSA File No.: 012528 IEC/EN 60947-5 UL CSA UL Category Control No.: NKCR
<b>GLOBAL CATALOG</b>	216824
<b>PRODUCT TYPE</b>	Illuminated selector switch



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## Product specifications

<b>TYPE</b>	Illuminated selector switch actuator
<b>ACCESSORIES</b>	Thumb grip
<b>ACTUATOR COLOR</b>	Black
<b>ACTUATOR FUNCTION</b>	Switching function latching Maintained
<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.

## Resources

CATALOGS	<a href="#">eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf</a> <a href="#">eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf</a>
DECLARATIONS OF CONFORMITY	<a href="#">eaton-key-operated-actuator-declaration-of-conformity-eu251544en.pdf</a>
DRAWINGS	<a href="#">eaton-operating-switch-m22-dimensions.eps</a> <a href="#">eaton-operating-switch-m22-dimensions-002.eps</a> <a href="#">eaton-operating-button-symbol-013.eps</a> <a href="#">eaton-general-approval-m22-symbol.eps</a> <a href="#">eaton-general-m22-symbol.eps</a> <a href="#">eaton-general-m22-standards.eps</a>
ECAD MODEL	<a href="#">ETN.216824.edz</a>
INSTALLATION INSTRUCTIONS	<a href="#">IL04716002Z</a>
MCAD MODEL	<a href="#">DA-CS-wahltaste_knebel_eaton-switches-mcad-drawings-wahltaste-knebel.dwg</a>
SPECIFICATIONS AND DATASHEETS	<a href="#">Eaton Specification Sheet - 216824</a>

<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
<b>OPERATING FREQUENCY</b>	2000 Operations/h
<b>POLLUTION DEGREE</b>	3
<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>	With SWD-RMQ connections Yes
<b>ACTUATOR TYPE</b>	Toggle
<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-DEPENDENT PVID</b>	0 W
<b>OPENING DIAMETER</b>	22.5 mm
<b>OPERATING TORQUE</b>	0.3 Nm
<b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b>	0 A

<b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>	0 W
<b>SWITCHING ANGLE</b>	60 °
<b>BEZEL COLOR</b>	Black
<b>SHOCK RESISTANCE</b>	Mechanical, According to IEC/EN 60068-2-27 30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms
<b>COLOR</b>	White
<b>BEZEL MATERIAL</b>	Plastic
<b>DESIGN</b>	With thumb-grip
<b>MOUNTING POSITION</b>	As required
<b>OVERVOLTAGE CATEGORY</b>	III
<b>DEGREE OF PROTECTION</b>	NEMA 4X, 13
<b>DEGREE OF PROTECTION (FRONT SIDE)</b>	IP66
<b>FUNCTIONS</b>	Stay-put/spring-return function, can be changed with coding parts M22-XC-Y
<b>INDICATOR COLOR</b>	White
<b>LENS TYPE</b>	Round
<b>LIFESPAN, MECHANICAL</b>	100,000 Operations
<b>NUMBER OF SWITCH POSITIONS</b>	2
<b>SIZE</b>	Front diameter: 29.7 mm
<b>PRODUCT CATEGORY</b>	RMQ-Titan
<b>SUITABLE FOR</b>	Illumination

**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATE:**



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