Specifications



Eaton 279417

Eaton Moeller® series M22 Joystick, with one operating point per operating direction, With plastic shaft, 4 positions, Bezel: titanium, momentary, in every position

General specifications	
PRODUCT NAME	Eaton Moeller® series M22 joystick
CATALOG NUMBER	279417
MODEL CODE	M22-WJ4
EAN	4015082794170
PRODUCT LENGTH/DEPTH	100 mm
PRODUCT HEIGHT	30 mm
PRODUCT WIDTH	30 mm
PRODUCT WEIGHT	0.028 kg
COMPLIANCES	CE Marked
CERTIFICATIONS	UL 508 IEC 60947-5 EN 60947-5 CSA Std. C22.2 No. 14-05 CSA Std. C22.2 No. 94-91 VDE UL File No.: E29184 UL Category Control No.: NKCR IEC/EN 60947-5 UL VDE 0660 CE CSA File No.: 012528 CSA-C22.2 No. 94-91 CSA Class No.: 3211-03 IEC/EN 60947 CSA-C22.2 No. 14-05 CSA

Actuator

ACTUATING FORCE	5 N
ACTUATOR FUNCTION	In every position Momentary
BEZEL COLOR	Titanium
BEZEL MATERIAL	Plastic
FITTED WITH:	Front ring Filament bulb (24 V) Plastic shaft Retraction in 0-position
NUMBER OF ACTUATION DIRECTIONS	4

Communication

CONNECTION TO SMARTWIRE-DT	With SWD-RMQ connections Yes

Climatic environmental conditions

AMBIENT OPERATING TEMPERATURE - MAX	70 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
CLIMATIC PROOFING	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30

Design verification

10.10 TEMPERATURE RISE	Not applicable.
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	Please enquire
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.
10.4 CLEARANCES AND	Meets the product standard's

CREEPAGE DISTANCES	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.
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0 W
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	0 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W

General information

ACCESSORIES	Plastic shaft
DEGREE OF PROTECTION	IP66 NEMA 4X, 13
LIFESPAN, MECHANICAL	100,000 Operations
MOUNTING POSITION	As required
OPENING DIAMETER	22.5 mm
OPERATING FREQUENCY	2000 Operations/h
PRODUCT CATEGORY	RMQ-Titan
TYPE	Joystick

Resources

CATALOGUES	eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf
DECLARATIONS OF CONFORMITY	eaton-key-operated-actuator-declaration-of-conformity-eu251544en.pdf
DRAWINGS	eaton-operating-operating-m22-joystick-dimensions.eps eaton-operating-m22-joystick-dimensions.eps eaton-general-approval-m22-symbol.eps eaton-general-m22-symbol.eps

	eaton-operating-indication-m22-joystick-symbol-002.eps eaton-general-m22-standards.eps
ECAD MODEL	ETN.279417.edz
INSTALLATION INSTRUCTIONS	IL04716002Z
MCAD MODEL	DA-CS-joystick_4_fach

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:

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