Specifications



Eaton 222688

Eaton Moeller® series M22 Surface mounting enclosure, 12 mounting locations

General specifications	
PRODUCT NAME	Eaton Moeller® series M22 surface mounting enclosure
CATALOG NUMBER	222688
MODEL CODE	M22-I12
EAN	4015082226886
PRODUCT LENGTH/DEPTH	240 mm
PRODUCT HEIGHT	125 mm
PRODUCT WIDTH	160 mm
PRODUCT WEIGHT	1.301 kg
CERTIFICATIONS	CSA File No.: 012528 IEC/EN 60947-5 UL CSA Class No.: 3211-03 UL 508 UL File No.: E29184 CE CSA-C22.2 No. 14-05 UL Category Control No.: NKCR CSA CSA-C22.2 No. 94-91

Climatic environmental conditions

AMBIENT OPERATING TEMPERATURE - MAX	70 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C

Contacts

FORCE FOR POSITIVE OPENING - MIN	0 N

Communication

CONNECTION TO SMARTWIRE-DT	No

Design verification

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	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 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	Does not apply, since the

SWITCHING DEVICES AND COMPONENTS	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.

Enclosure details

ENCLOSURE COLOR	Gray
ENCLOSURE MATERIAL	Plastic
ENCLOSURE TYPE	Surface mounting housing

Features & functions

FITTED WITH:	High-grade steel screws
KNOCKOUTS	2 x M32/20 (cable entry knockouts at the base) 2 x M20 (cable entry knockouts at the base) 4 x M32/25 (cable entry knockouts at the side)
NUMBER OF COMMAND POSITIONS	12
NUMBER OF LOCATIONS	12
RAL-NUMBER	7035

General information

DEGREE OF PROTECTION	NEMA 3R IP66
OPENING DIAMETER	22.5 mm

Resources

CATALOGUES	eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf
DRAWINGS	eaton-operating-surface-mounting-m22-accessory-dimensions.eps eaton-operating-surface-mounting-m22-accessory-3d-drawing-002.eps eaton-general-totally-insulated-t0-main-switch-symbol.eps eaton-operating-button-symbol-007.eps
ECAD MODEL	ETN.222688.edz
INSTALLATION INSTRUCTIONS	IL04716003Z
MCAD MODEL	eaton-aufbaugehaeuse-gr12-3d-model.stp
PEP ECO-PASSPORT	eaton-pushbutton-control-stations-pep-eato-00299-v0101-en.pdf

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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