Specifications



Eaton 107412

Eaton Moeller® series M22 Bulkhead interface, 0.6 m, Prefabricated cable with permanently connected USB 3.0 Type A plug, Bezel: titanium

General specifications	
PRODUCT NAME	Eaton Moeller® series M22 bulk head interface
CATALOG NUMBER	107412
MODEL CODE	M22-USB-SA
EAN	4015081071500
PRODUCT LENGTH/DEPTH	120 mm
PRODUCT HEIGHT	30 mm
PRODUCT WIDTH	120 mm
PRODUCT WEIGHT	0.043 kg
COMPLIANCES	CE Marked
CERTIFICATIONS	UL 508 CSA Std. C22.2 No. 142 IEC 6113-2 CE UL Category Control No.: DUXR, DUXR7 UL Certified by UL for use in Canada IEC/EN 6113-2 UL File No.: E330994 UL report applies to both US and Canada CSA-C22.2 No. 142 CSA Class No.: none
CATALOG NOTES	Prefabricated cable with permanently connected USB 3.0 Type A plug

Actuator

BEZEL COLOR	Titanium
DESIGN	USB 3.0 A
MATERIAL	Titanium front ring
NUMBER OF POLES	Nine-pole

Communication

CONNECTION TO SMARTWIRE-DT	No

Climatic environmental conditions

AMBIENT OPERATING TEMPERATURE - MAX	70 °C
AMBIENT STORAGE TEMPERATURE - MAX	80 °C
AMBIENT OPERATING TEMPERATURE - MIN	-20 °C
AMBIENT STORAGE TEMPERATURE - MIN	25 °C

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 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.
HEAT DISSIPATION CAPACITY PDISS	0 W

Electrical rating

INSULATION RESISTANCE	≥ 100 MΩ
NOMINAL CURRENT	900 A
NOMINAL VOLTAGE - MAX	30 V
RATED OPERATIONAL VOLTAGE	5 V AC/DC
RESISTANCE	< 30 mΩ (volume resistance)

General information

ACCESSORIES	Connection cable
ACCESSORY/SPARE PART TYPE	Accessory
DEGREE OF PROTECTION	IP20 (with plug connected) IP65 (with closed cover) NEMA 12 (with closed cover)
LIFESPAN, MECHANICAL	100 insertion cycles
MOUNTING DEPTH	70 mm
OPENING DIAMETER	22.5 mm

Resources

CATALOGUES	eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf
DECLARATIONS OF CONFORMITY	eaton-rmq-titan-accys-declaration-of-conformity-eu260071en.pdf
DRAWINGS	eaton-operating-dimensions.eps eaton-operating-3d-drawing.eps
INSTALLATION INSTRUCTIONS	IL04716002Z
MCAD MODEL	eaton-pb-switch-ren-pts-acc-mcad-drawings-m22-usb-sa.dwg eaton-pb-switch-ren-pts-acc-mcad-3d-models-m22-usb-sa.stp
WIRING DIAGRAMS	eaton-operating-m22-bulkhead-interface-wiring-diagram.eps

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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