

Specifications



Eaton 147541

Eaton Moeller® series M22 Bulkhead interface, USB 3.0 socket, Type A, Bezel: black

General specifications

PRODUCT NAME	Eaton Moeller® series M22 bulk head interface
CATALOG NUMBER	147541
MODEL CODE	M22S-USB
EAN	4015081439928
PRODUCT LENGTH/DEPTH	50 mm
PRODUCT HEIGHT	45 mm
PRODUCT WIDTH	30 mm
PRODUCT WEIGHT	0.02 kg
CERTIFICATIONS	IEC/EN 6113-2 UL Category Control No.: DUXR, DUXR7 UL File No.: E330994 UL Certified by UL for use in Canada CSA-C22.2 No. 142 CSA Class No.: none UL report applies to both US and Canada CE UL 508
CATALOG NOTES	USB 3.0 socket, Type A

Actuator

BEZEL COLOR	Black
DESIGN	USB 3.0 A
NUMBER OF POLES	Nine-pole

Communication

CONNECTION TO SMARTWIRE-DT	No
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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	
ACCESSORY/SPARE PART TYPE	Accessory
DEGREE OF PROTECTION	NEMA 12 (with closed cover) IP65 (with closed cover) IP20 (with plug connected)
LIFESPAN, MECHANICAL	100 insertion cycles
MOUNTING DEPTH	27 mm
OPENING DIAMETER	22.5 mm

Resources

CATALOGUES [eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf](#)

DRAWINGS [eaton-operating-m22-bulkhead-interface-dimensions.eps](#)
[eaton-operating-3d-drawing.eps](#)

ECAD MODEL [DA-CE-ETN.M22S-USB](#)

INSTALLATION INSTRUCTIONS [IL04716002Z](#)

[DA-CS-m22_usb_sa_v2](#)

MCAD MODEL [eaton-accessory-mcad-drawings-m22-usb-sa-v2.dwg](#)

WIRING DIAGRAMS [eaton-operating-m22-bulkhead-interface-wiring-diagram.eps](#)

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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