Specifications



Eaton 101451

Eaton Moeller® series BBA Busbar adapter, 45 mm, 25 A, DIN rail: 1 BBA0-25

General specifications	
PRODUCT NAME	Eaton Moeller® series BBA Accessory Busbar adapter
CATALOG NUMBER	101451
MODEL CODE	BBA0-25
EAN	4015081013715
PRODUCT LENGTH/DEPTH	200 mm
PRODUCT HEIGHT	73 mm
PRODUCT WIDTH	45 mm
PRODUCT WEIGHT	0.27 kg
CERTIFICATIONS	CE UL Certified by UL for use in Canada CSA-C22.2 No. 14 UL Category Control No.: NMTR; NMTR7 IEC60439-1 UL 508A UL File No.: E300273

Additional information

SPECIAL FEATURES	Terminal capacity: 4 mm² (AWG 12)

Delivery program

NOMINAL CURRENT	25 A
TYPE	• Busbar adapter • SASY Busbar system 60 mm

Design verification as per IEC/EN 61439

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	Meets the product standard's requirements.
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.

Design verification as per IEC/EN 61439 - technical data

AMBIENT OPERATING TEMPERATURE - MAX	55 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	1.9 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0 W
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W

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.

Technical data - electrical

ELECTRIC CONNECTION TYPE	3 conductors AWG 12
RATED OPERATION CURRENT (IE)	25 A
VOLTAGE RATING (UL CSA 13)	600 V AC, UL/CSA
VOLTAGE RATING AT AC	690 V

Technical data - mechanical

ADAPTER WIDTH	45 mm
BUSBAR DISTANCE	60 mm
BUSBAR THICKNESS - MAX	10 mm
BUSBAR THICKNESS - MIN	5 mm
MOUNTING RAIL ARMAMENT	1 mounting rail
NUMBER OF DIN RAILS	1
RAIL WIDTH	35 mm

Resources

BROCHURES	eaton-xeffect-sasy60i-customer-success-story-css-wagner-mueller-en-us.pdf
CERTIFICATION REPORTS	eaton-xeffect-sasy-60i-declaration-of-conformity.pdf
DECLARATIONS OF CONFORMITY	eaton-accessory-declaration-of-conformity-eu250602en.pdf eaton-accessory-declaration-of-conformity-uk251085en.pdf
DRAWINGS	eaton-manual-motor-starters-bba-busbar-adapter-dimensions-002.eps eaton-manual-motor-starters-bba-busbar-adapter-3d-drawing-009.eps
ECAD MODEL	ETN.101451.edz
INSTALLATION INSTRUCTIONS	IL03402015Z
MCAD MODEL	eaton-busbar-adapters-mcad-drawings-bba0-25.dwg bba0_25.stp
TECHNICAL DATA SHEETS	eaton-xeffect-sasy-60i-fk4300-1167gb-en-us.pdf

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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