Eaton 168111

Eaton Moeller® series NAS Mains and system-protection device combination in the housing, + terminals K95, 160A, 4p NAS160-CI-1-K95

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PRODUCT NAME	Eaton Moeller® series NAS Mains and system-protection device combination
CATALOG NUMBER	168111
PRODUCT LENGTH/DEPTH	225 mm
PRODUCT HEIGHT	688 mm
PRODUCT WIDTH	375 mm
PRODUCT WEIGHT	23 kg
CERTIFICATIONS	VDE-AR-N 4105

Powering Business Worldwide

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NUMBER OF POLES	Four-pole
TYPE	Mains and system-protection device combination
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.
10.2.5 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.

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DECLARATIONS OF CONFORMITY	eaton-mains-and-system-protection-device-combination-declaration-of-conformity-uk251262en.pdf
MCAD MODEL	nas125_160_ci_1_2_k95.dwg nas125_160_ci_1_2_k95.stp
□□□□□	eaton-mains-and-system-protection-generation-1-il02401001Z.pdf
□□	eaton-motor-installation-protection-protection-nas-dimensions-002.eps eaton-motor-installation-protection-nas-3d-drawing-003.eps eaton-motor-installation-protection-protection-nas-3d-drawing-002.eps

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.
ACCESSORY/SPARE PART TYPE	Other
DEGREE OF PROTECTION	IP65
AMBIENT OPERATING TEMPERATURE - MAX	40 °C
AMBIENT OPERATING TEMPERATURE - MIN	-20 °C
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX	40 °C
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN	-20 °C
AMBIENT STORAGE TEMPERATURE - MAX	80 °C
AMBIENT STORAGE TEMPERATURE - MIN	-40 °C
HEAT DISSIPATION CAPACITY PDISS	0 W
RATED BREAKING CAPACITY AT 380/400 V	950 A
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	230 V
CONNECTION TYPE	Screw terminals
DUTY FACTOR	100 %
TERMINAL CAPACITY	1 x 35 - 70 mm², Al cable, Main cables Round solid (Cu) Sectoral stranded (Cu) Round solid (Al) 1 x 16 - 95 mm², Cu/Al cable, Main cables Sectoral solid (Cu) Sectoral solid (Al) Round stranded (Cu)
SHORT-CIRCUIT PROTECTION RATING	Max. 250 A gG/gL 500 V, Fuse, 400V

SHORT-CIRCUIT CURRENT	100 kA (prospective)
POWER CONSUMPTION	360 VA at AC, 50/60 Hz (power consumption of the coil in a cold state and 1.0 x Us, Pick-up power, 2 x DILMP) 6.2 VA at AC, 50/60 Hz (power consumption of the coil in a cold state and 1.0 x Us, Sealing power, 2 x DILMP)
RATED MAKING CAPACITY UP TO 690 V (COS PHI TO IEC/EN 60947-3)	1330 A
RATED OPERATIONAL POWER AT 380/400 V, 50 HZ	100 kW
RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	400 V
PROTECTION	• Central mains and system protection • NA protection to VDE-AR-N 4105
PRODUCT CATEGORY	• Mains and system protection • Switchgear for renewable energies
SWITCHING TIME	< 150 ms with NA protection relay, Total opening delay 40 ms, Opening delay, Changeover time at 100 % US (recommended value)

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