DATASHEET - NAS160-CI-1-K95

Mains and system-protection device combination in the housing, + terminals K95, 160A, 4p

Part no.	**NAS160-CI-1-K95**
	168111
EL Number (Norway)	**4302912**

General specifications

Product name	Eaton Moeller® series NAS Mains and system-protection device combination
Part no.	NAS160-CI-1-K95
EAN	4015081646876
Product Length/Depth	225 millimetre
Product height	688 millimetre
Product width	375 millimetre
Product weight	23 kilogram
Certifications	VDE-AR-N 4105
Product Tradename	NAS
Product Type	Mains and system-protection device combination
Product Sub Type	None

General information

Accessory/spare part type	Other
Connection type	Screw terminals
Degree of protection	IP65
Number Of Poles	Four-pole
Product category	Switchgear for renewable energies Mains and system protection
Protection	NA protection to VDE-AR-N 4105 Central mains and system protection
Terminal capacity	Round stranded (Cu) Sectoral solid (Al) Sectoral solid (Cu) 1 x 16 - 95 mm^2, Cu/Al cable, Main cables Round solid (Al) Sectoral stranded (Cu) Round solid (Cu) 1 x 35 - 70 mm^2, Al cable, Main cables

Climatic environmental conditions

Ambient operating temperature - min	-20 °C
Ambient operating temperature - max	40 °C
Ambient operating temperature (enclosed) - min	-20 °C
Ambient operating temperature (enclosed) - max	40 °C
Ambient storage temperature - min	-40 °C
Ambient storage temperature - max	80 °C

Electrical rating

Duty factor	100 %
Power consumption	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) 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)
Rated breaking capacity at 380/400 V	950 A
Rated control supply voltage (Us) at AC, 50 Hz - max	230 V
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
Short-circuit current	100 kA (prospective)
Short-circuit protection rating	Max. 250 A gG/gL 500 V, Fuse, 400V
Switching time	40 ms, Opening delay, Changeover time at 100 % US (recommended value) < 150 ms with NA protection relay, Total opening delay

Design verification

Heat dissipation capacity Pdiss			0 W

Technical data ETIM 9.0

Low-voltage industrial components (EG000017) / Accessories/spare parts for low-voltage switch technology (EC002498)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Component for low-voltage switching technology (accessories) (ecl@ss13-27-37-13-92 [AKN570018])			
Type of accessory/spare part			Other
Accessory			No
Spare part			No

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