DATASHEET - NAS80-CI-1

Mains and system-protection device combination in the housing, 80A, 4p

Part no. NAS80-CI-1
168107

EL Number (Norway) 4302910

General specifications	
Product name	Eaton Moeller® series NAS Mains and system-protection device combination
Part no.	NAS80-CI-1
EAN	4015081646838
Product Length/Depth	225 millimetre
Product height	563 millimetre
Product width	250 millimetre
Product weight	8 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	1 x (2.5 - 16) mm^2, solid, Main cables 1 x (16 - 50) mm^2, solid, PE terminals 1 x (2.5 - 35) mm^2, flexible, Main cables 1 x (16 - 50) mm^2, stranded, Main cables 1 x (25 - 50) mm^2, flexible, PE terminals 1 x (25 - 50) mm^2, stranded, PE terminals
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	3 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) 90 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	500 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)	700 A
Rated operational power at 380/400 V, 50 Hz	55 kW
Rated operational voltage (Ue) at AC - max	400 V
Short-circuit current	100 kA (prospective)
Short-circuit protection rating	Max. 160 A gG/gL 500 V, Fuse, 400V
Switching time	45 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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