



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



Powering Business Worldwide™

Part no. NAS80-CI-1
Catalog No. 168107
Alternate Catalog No. NAS80-CI-1

Delivery program

Product range			Switchgear for renewable energies
Subrange			Mains and system protection
Product range			Mains and system protection
Motor rating			
AC-1			
400 V	P	kVA	55
Description			Central mains and system protection NA protection to VDE-AR-N 4105
Degree of Protection			IP65
Number of conductors			4-Pole
Connection technique			Screw terminals

Technical data

General

Rated operational voltage	U _e	V AC	400
Motor rating			
AC-1			
400 V	P	kVA	55
Standards			VDE-AR-N 4105
Ambient temperature			
Open		°C	-20 - +40
Enclosed		°C	-20 - +40
Storage	θ	°C	-40 - +80
Mounting position			
Total opening delay		ms	With NA protection relay < 150
Rated duty factor		% DF	100
Terminal capacity main cable			
Solid		mm ²	1 x (2,5 - 16)
Flexible		mm ²	1 x (2.5 - 35)
Stranded		mm ²	1 x (16 - 50)
Terminal capacity PE terminals			
Solid		mm ²	1 x (16 - 50)
Flexible		mm ²	1 x (25 - 50)
Stranded		mm ²	1 x (25 - 50)
coupler switch			
			2 x DILMP80(RAC240), article no. 167513
Making capacity (cos φ)	Up to 690 V	A	700 According to IEC/EN 60947

Breaking capacity			
380 V 400 V		A	500
Short-circuit protection maximum fuse			
400 V	gG/gL 500 V	A	160
Prospective short-circuit current		kA	100
Changeover time at 100 % U _S (recommended value)			
Opening delay		ms	45
Rated control voltage	U _s	V	230 V AC
Power consumption of the coil in a cold state and 1.0 x U _S			
AC operated 50/60 Hz	Pick-up	VA	90 (2 x DILMP)
AC operated 50/60 Hz	Sealing	VA	3 (2 x DILMP)

Design verification as per IEC/EN 61439

Technical data for design verification			
Heat dissipation capacity	P _{diss}	W	0
Operating ambient temperature min.		°C	-20
Operating ambient temperature max.		°C	40

Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Accessories 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 switch technology (accessories) (ecl@ss10.0.1-27-13-92 [AKN570013])			
Type of accessory			Other

Dimensions

