

Grid & systems protection

Technical data

Combined Grid & Systems Protection (IP 65 degree of protection)

Type designation		NAS63-CI-1	NAS80-CI-1	NAS125-CI-1-K95	NAS160-CI-1-K95
Article No.		168106	168107	168110	168111
Rated output	kVA	43	55	86	100
Rated operating voltage	V	230/400	230/400	230/400	230/400
Rated current AC-1	A	63	80	125	160

Power consumption for Pick-up

Monitoring relay	VA	5	5	5	5
2 contactors	VA	90	90	360	360

Power consumption while Holding

Monitoring relay	W	5	5	5	5
2 contactors	VA/W	3/3	3/3	6,2/4,2	6,2/4,2
Own consumption	kWh/a	70	70	98	98
Total breaking time (incl. protective grid & systems)	ms	< 150	< 150	< 150	< 150
Ambient temperature	°C	-20 ... + 40	-20 ... + 40	-20 ... + 40	-20 ... + 40
Making time	% ED		100	100	100

Max. cross section of connections

		Contactors		Terminals	
Fine-wired with wire end	mm ²	35 (Cu)		95 (Cu)	
Multi-wired	mm ²	50 (Cu)		95 (Cu)	
Sector conductor, single-wired	mm ²	-		70 (Al)	
Sector conductor, multi-wired	mm ²	-		95 (Cu)	

PE terminals

Fine-wired with wire end	mm ²	50 (Cu)		95 (Cu)	
Multi-wired	mm ²	50 (Cu)		95 (Cu)	
Sector conductor, single-wired	mm ²	-		70 (Al)	
Sector conductor, multi-wired	mm ²	-		95 (Cu)	

NA relay

		UFR1001E (made by ZIEHL) integrated		UFR1001E (made by ZIEHL) integrated	
--	--	-------------------------------------	--	-------------------------------------	--

Coupled switchgear

Style		4-pole contactors			
Type designation		DILMP63 (RAC240)	DILMP80 (RAC240)	DILMP125 (RAC240)	DILMP160 (RAC240)
Article No.		167512	167513	109905	109915
Making capacity	A	560	700	1120	1330
Breaking capacity	A	400	500	800	950
Short-circuit protection	A (gG)	125	160	250	250
Non-influenced short-circuit current	kA	100	100	100	100
Open time	ms	45	45	40	40

