

Product SPECIFICATION SHEET

NCH8-20



3. Technical data

3.1 Ratings

Model	Utilization category	Ui (V)	Ue (V~)	Conventional heating current (A)	Ie (A)	Controlled power (kW)
NCH8-20	AC-1, AC-7a	500	230	20	20	4
NCH8-20	AC-7b	500	230	20	9	1.2

3.2 Making and breaking capacity

Model	Utilization category	Making and breaking conditions			Electrification time (s)	Interval time (s)	Operating cycle times
		Ic/Ie	Ur/Ue	COS φ			
NCH8-20	AC-1, AC-7a	1.5	1.05	0.8	0.05	10	50
NCH8-20	AC-7b	8	1.05	0.45	0.05	10	50

3.3 Conventional Operating Performances

3.3.1 Conventional operating performances of NCH8-20~25

Utilization category	Making conditions			Breaking conditions			Electrification time (s)	Interval time (s)	Operating frequency
	I/Ie	U/Ue	COS φ	Ic/Ie	Ur/Ue	COS φ			
AC-1	1.0	1.05	0.8	1.0	1.05	0.8	0.05	10	6000
AC-7a	1.0	1.05	0.8	1.0	1.05	0.8	0.05	10	30000
AC-7b	6.0	1.0	0.45	1.0	0.17	0.45	0.05	10	30000

3.3.2 Conventional operating performances of NCH8-40~63

Utilization category	Making and breaking conditions			Electrification time (s)	Interval time (s)	Operating frequency
	Ic/Ie	Ur/Ue	COS φ			
AC-1	1.0	1.05	0.8	0.05	10	6000
AC-7a	1.0	1.05	0.8	0.05	10	30000

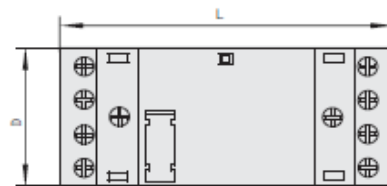
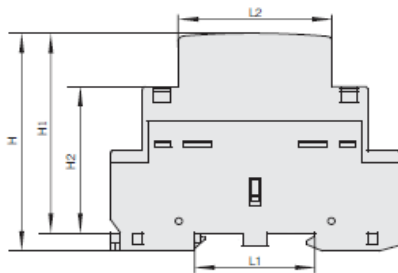
3.4 Conventional heating current under different ambient temperature

Rated current	40 °C	50 °C	60 °C	70 °C
Ie=20A	20A	18A	16A	14A

3.5 Number of appended lamps with voltage up to 230V

Unit power	Tungsten filament and halogen 230V					
	60W	100W	200W	300W	500W	1000W
20A	20	12	6	4	2	1

Model	D		L	L1	L2	H	H1	H2
	2P	4P						
NCH8-20~25	18	36	85	35.5	45	65.5	60	44



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