

## Rezystory hamowania

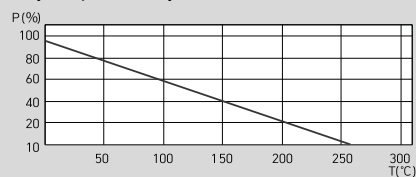
### MCRA



#### Charakterystyka

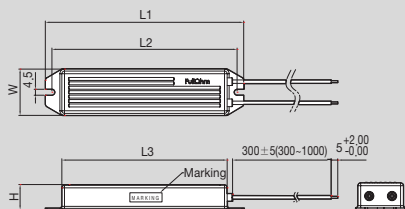
Zakres temperatury	-55 °C~200 °C
Rezystancja izolacji	Over 100 MΩ
Siła sielektryczna	AC 2,500V / 1 Min
Wydajność temperaturowa	±260 ppm / °C max
Zakres mocy	50 ~ 200[W]

#### Krzywa spadku mocy



[UWAGA] Wbudowany czujnik temp. posiada silikonowy kabel 0,5mm<sup>2</sup>

#### Wymiary [mm]



Model	L1 ±0.5	L2 ±0.5	L3 ±0.5	W ±0.5	H ±0.5
MCRA-80	150	140	125	35	19
MCRA-100	150	140	125	35	19
MCRA-120	182	172	150	43	20
MCRA-150	182	172	150	43	20
MCRA-200	230	220	200	60	20

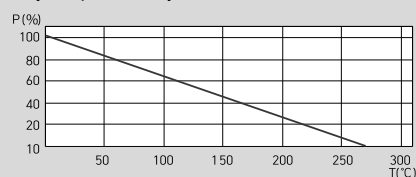
### MCRF



#### Charakterystyka

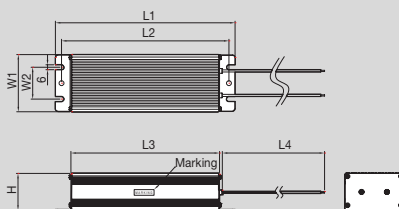
Zakres temperatury	-55 °C~200 °C
Rezystancja izolacji	Over 100 MΩ
Siła sielektryczna	AC 2,500V / 1 Min
Wydajność temperaturowa	±260 ppm / °C max
Zakres mocy	300 ~ 2000[W]

#### Krzywa spadku mocy



[UWAGA] Wbudowany czujnik temp. posiada silikonowy kabel 0,5mm<sup>2</sup>

#### Wymiary [mm]



Model	L1 ±1.0	L2 ±1.0	L3 ±1.0	W1 ±0.5	W2 ±0.5	H ±0.5
MCRF-300	190	175	152	70	39	45
MCRF-400	220	205	182	70	39	45
MCRF-500	240	225	202	70	39	45
MCRF-600	260	245	222	70	39	45
MCRF-800	300	285	262	70	39	45
MCRF-1000	340	325	302	70	39	45
MCRF-1200	400	385	362	70	39	45
MCRF-1500	440	425	402	70	39	45
MCRF-2000	510	495	472	70	39	45

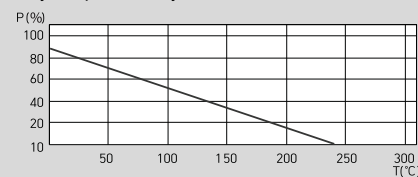
### MCRS



#### Charakterystyka

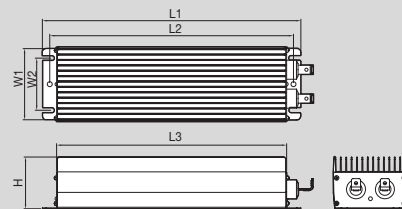
Zakres temperatury	-55 °C~200 °C
Rezystancja izolacji	Over 100 MΩ
Siła sielektryczna	AC 2,500V / 1 Min
Wydajność temperaturowa	±260 ppm / °C max
Zakres mocy	2400[W]

#### Krzywa spadku mocy



[UWAGA] Wbudowany czujnik temp. posiada silikonowy kabel 0,5mm<sup>2</sup>

#### Wymiary [mm]



Model	L1 ±1.0	L2 ±1.0	L3 ±1.0	W1 ±1.0	W2 ±1.0	H ±1.0
MCRS-2000	400	385	362	98	72	68
MCRS-2500	470	455	432	98	72	68
MCRS-3000	540	525	502	98	72	68

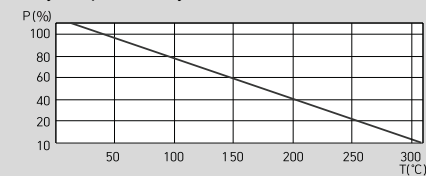
### MCRF-ST



#### Charakterystyka

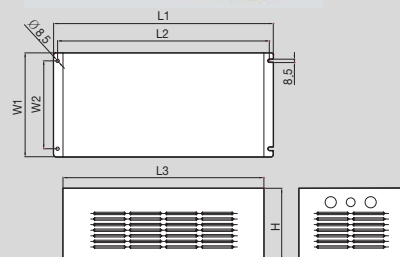
Zakres temperatury	-55 °C~200 °C
Rezystancja izolacji	Over 20 MΩ
Siła sielektryczna	AC 2,500V / 1 Min
Wydajność temperaturowa	±260 ppm / °C max
Zakres mocy	12 ~ 60[kW]
Czujnik temperatury	B Contact

#### Krzywa spadku mocy



[UWAGA] Wbudowany czujnik temp. posiada silikonowy kabel 0,5mm<sup>2</sup>

#### Wymiary [mm]



Model	L1 ±2	L2 ±2	L3 ±2	W1 ±2	W2 ±2	H ±2
MCRF-ST2000	550	530	503	180	140	126
MCRF-ST2400	550	530	503	180	140	126
MCRF-ST3000	550	530	503	260	220	126
MCRF-ST3600	550	530	503	260	220	126
MCRF-ST4000	550	530	503	180	140	182
MCRF-ST4800	550	530	503	180	140	182
MCRF-ST5000	550	530	503	180	140	182
MCRF-ST6000	550	530	503	260	220	182

Model	L1 ±2	L2 ±2	L3 ±2	W1 ±2	W2 ±2	H ±2
MCRF-ST6400	550	530	503	260	220	182
MCRF-ST7200	550	530	503	260	220	182
MCRF-ST8000	550	530	503	260	220	252
MCRF-ST9600	550	530	503	260	220	252
MCRF-ST10000	550	530	503	260	220	252
MCRF-ST12000	550	530	503	260	220	322
MCRF-ST15000	550	530	503	260	220	322
MCRF-ST18000	550	530	503	260	220	392

# Rezystory hamowania

## Dla modułów hamowania wbudowanych

Zasilanie	Moc falownika [kW]	Moment hamowania 100%						Moment hamowania 150%										
		Opór [Ω]	Moc[W] (%ED=5%)	Single		Set		Opór [Ω] (%ED=5%)	Moc[W] (%ED=5%)	Single(%ED=5%)		Set(%ED=5%)		Moc[W] (%ED=10%)	Single(%ED=10%)		Set(%ED=10%)	
				ERP Code	Model Name	ERP Code	Model Name			ERP Code	Model Name	ERP Code	Model Name		ERP Code	Model Name	ERP Code	Model Name
200V	0.4	400	50	64090131	MCRA-50			300	100	64090132	MCRA-100			200	64090133	MCRA-200		
	0.75	200	100	64090134	MCRA-100			150	150	64090135	MCRA-150			300	64090142	MCRF-300		
	1.5	100	200	64090136	MCRA-200			60	300	64090149	MCRF-300			600	64090150	MCRF-600		
	2.2	60	300	64090149	MCRF-300			50	400	64090152	MCRF-400			800	64090153	MCRF-800		
	3.7/4.0	40	500	64090155	MCRF-500			33	600	64090158	MCRF-600			1200	64090159	MCRF-1200		
	5.5	33	600	64090158	MCRF-600			20	800	64090160	MCRF-800			1600	64090161	MCRF-1600		
	7.5	20	800	64090160	MCRF-800			15	1200	64090162	MCRF-1200			2400	64090168	MCRS 2500		
	11	15	1200	64090162	MCRF-1200	6409018400	MCRF-ST 1.2kW	10	2400	64090169	MCRS-2500	6409018900	MCRF-ST 2.4kW	4800			6409019000	MCRF-ST 4.8kW
	15	10	2400	64090169	MCRS 2500	6409018900	MCRF-ST 2.4kW	8	2400	64090170	MCRS 2500	6409019700	MCRF-ST 2.4kW	4800			6409019800	MCRF-ST 4.8kW
	18.5	8	2400	64090170	MCRS 2500	6409019700	MCRF-ST 2.4kW	5	3600			6409020200	MCRF-ST 3.6kW	7200			6409020300	MCRF-ST 7.2kW
22	8	2400	64090170	MCRS 2500	6409019700	MCRF-ST 2.4kW	5	3600			6409020200	MCRF-ST 3.6kW	7200			6409020300	MCRF-ST 7.2kW	
400V	0.4	1800	50	64090125	MCRA-50			1200	100	64090126	MCRA-100			200	64090127	MCRA-200		
	0.75	900	100	64090128	MCRA-100			600	150	64090129	MCRA-200			300	64090137	MCRF-300		
	1.5	450	200	64090130	MCRA-200			300	300	64090138	MCRF-300			600	64090139	MCRF-600		
	2.2	300	300	64090138	MCRF-300			200	400	64090140	MCRF-400			800	64090141	MCRF-800		
	3.7/4.0	200	400	64090140	MCRF-400			130	600	64090143	MCRF-600			1200	64090144	MCRF-1200		
	5.5	120	700	64090145	MCRF-700			85	1000	64090147	MCRF-1000			2000	64090148	MCRF-2000		
	7.5	90	1000	64090146	MCRF-1000			60	1200	64090151	MCRF-1200			2400	64090164	MCRS 2500		
	11	60	1200	64090151	MCRF-1200	6409017200	MCRF-ST 1.2kW	40	2000	64090156	MCRF-2000	6409017400	MCRF-ST 2kW	4000			6409017500	MCRF-ST 4kW
	15	45	2000	64090154	MCRF-2000	6409017300	MCRF-ST 2kW	30	2400	64090166	MCRS 2500	6409017800	MCRF-ST 2.4kW	4800			6409017900	MCRF-ST 4.8kW
	18.5	35	2400	64090165	MCRS 2500	6409017600	MCRF-ST 2.4kW	20	3600			6409018100	MCRF-ST 3.6kW	7200			6409018200	MCRF-ST 7.2kW
	22	30	2400	64090166	MCRS 2500	6409017800	MCRF-ST 2.4kW	20	3600			6409018100	MCRF-ST 3.6kW	7200			6409018200	MCRF-ST 7.2kW
	30	20	3600			6409018100	MCRF-ST 3.6kW	12	5000			6409018600	MCRF-ST 5kW	10000			6409018700	MCRF-ST 10kW

## Dla zewnętrznych modułów hamowania

Napięcie	Moc DBU [kW]	Moment hamowania 100%						Moment hamowania 150%										
		Opór [Ω]	Moc[kW] (%ED=5%)	Single		Set		Opór [Ω] (%ED=5%)	Moc[kW] (%ED=5%)	Single(%ED=5%)		Set(%ED=5%)		Wattage[kW] (%ED=10%)	Single(%ED=10%)		Set(%ED=10%)	
				ERP Code	Model Name	ERP Code	Model Name			ERP Code	Model Name	ERP Code	Model Name		ERP Code	Model Name	ERP Code	Model Name
200V	11	8.5	1.6	64090163	MCRF-1600	6409019300	MCRF-ST 2kW	10	2.4	64090169	MCRS 2500	6409018900	MCRF-ST 2.4kW	4.8			6409019000	MCRF-ST 4.8kW
	15	8.5	1.6	64090163	MCRF-1600	6409019300	MCRF-ST 2kW	8	2.4	64090170	MCRS 2500	6409019700	MCRF-ST 2.4kW	4.8			6409019800	MCRF-ST 4.8kW
	18.5	5.7	2.4	64090171	MCRS 2500	6409020100	MCRF-ST 2.4kW	5	3.6			6409020200	MCRF-ST 3.6kW	7.2			6409020300	MCRF-ST 7.2kW
	22	5.7	2.4	64090171	MCRS 2500	6409020100	MCRF-ST 2.4kW	5	3.6			6409020200	MCRF-ST 3.6kW	7.2			6409020300	MCRF-ST 7.2kW
	30	4.2	3.2			6409020600	MCRF-ST 3.2kW	3	5			6409021100	MCRF-ST 5kW	10			6409021200	MCRF-ST 10kW
	37	4.2	3.2			6409020600	MCRF-ST 3.2kW	3	5			6409021100	MCRF-ST 5kW	10			6409021200	MCRF-ST 10kW
	45	2.8	4.8			6409021300	MCRF-ST 4.8kW	2.4	6			6409021600	MCRF-ST 6kW	12			6409021700	MCRF-ST 12kW
	55	2.8	4.8			6409021300	MCRF-ST 4.8kW	2	7.5			6409022000	MCRF-ST 7.5kW	15			6409022100	MCRF-ST 12kW
	75	2	7.5			6409022000	MCRF-ST 7.5kW	1.5	10			6409022400	MCRF-ST 10kW	20			6409022500	MCRF-ST 20kW
	90	1.5	10			6409022400	MCRF-ST 10kW	1.2	13			6409022600	MCRF-ST 13kW	26			6409022700	MCRF-ST 26kW
400V	11	33.9	1.6	64090157	MCRF-1600	6409017700	MCRF-ST 1.6kW	40	2	64090156	MCRF-2000	6409017400	MCRF-ST 2kW	4			6409017500	MCRF-ST 4kW
	15	33.9	1.6	64090157	MCRF-1600	6409017700	MCRF-ST 1.6kW	30	2.4	64090166	MCRS 2500	6409017800	MCRF-ST 2.4kW	4.8			6409017900	MCRF-ST 4.8kW
	18.5	22.8	2.4	64090167	MCRS 2500	6409018000	MCRF-ST 2.4kW	20	3.6			6409018100	MCRF-ST 3.6kW	7.2			6409018200	MCRF-ST 7.2kW
	22	22.8	2.4	64090167	MCRS 2500	6409018000	MCRF-ST 2.4kW	20	3.6			6409018100	MCRF-ST 3.6kW	7.2			6409018200	MCRF-ST 7.2kW
	30	16.9	3.2			6409018300	MCRF-ST 3.2kW	12	5			6409018600	MCRF-ST 5kW	10			6409018700	MCRF-ST 10kW
	37	16.9	3.2			6409018300	MCRF-ST 3.2kW	12	5			6409018600	MCRF-ST 5kW	10			6409018700	MCRF-ST 10kW
	45	11.4	4.8			6409018800	MCRF-ST 4.8kW	10	6.4			6409019100	MCRF-ST 6.4kW	12.8			6409019200	MCRF-ST 12.8kW
	55	11.4	4.8			6409018800	MCRF-ST 4.8kW	8.4	7.2			6409019500	MCRF-ST 7.2kW	14.4			6409019600	MCRF-ST 14.4kW
	75	8.4	6.4			6409019400	MCRF-ST 6.4kW	6	10			6409019900	MCRF-ST 10kW	20			6409020000	MCRF-ST 20kW
	90	6	10			6409019900	MCRF-ST 10kW	5	13			6409020400	MCRF-ST 13kW	26			6409020500	MCRF-ST 26kW
	110	5	13			6409020400	MCRF-ST 13kW	4	16			6409020700	MCRF-ST 16kW	32			6409020800	MCRF-ST 32kW
	132	4	16			6409020700	MCRF-ST 16kW	3.4	20			6409020900	MCRF-ST 20kW	40			6409021000	MCRF-ST 40kW
	160	3.4	20			6409020900	MCRF-ST 20kW	2.8	24			6409021400	MCRF-ST 24kW	48			6409021500	MCRF-ST 48kW
185	2.8	24			6409021400	MCRF-ST 24kW	2.4	26			6409021800	MCRF-ST 26kW	52			6409021900	MCRF-ST 52kW	
220	2.4	26			6409021800	MCRF-ST 26kW	2	30			6409022200	MCRF-ST 30kW	60			6409022300	MCRF-ST 60kW	



LS Tower, 127 LS-ro, Dongan-gu, Anyang-si, Gyeonggi-Do, 431-848, Korea  
 Tel : 82-2-1544-2080 Fax : 82-41-550-8600  
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