

			Contactors			
			DILM185	DILM225 DILM250	DILM300 DILM400	
Main conducting paths						
Rated impulse withstand voltage	U_{imp}	V AC	8000	8000	8000	
Overvoltage category/pollution degree			III/3	III/3	III/3	
Rated insulation voltage	U_i	V AC	1000	1000	1000	
Rated operational voltage	U_e	V AC	1000	1000	1000	
Safe isolation to VDE 0106 Part 101 and Part 101/A1						
between coil and contacts		V AC	500	500	500	
between the contacts		V AC	500	500	500	
Making capacity (p.f. to IEC/EN 60947)		A	3000	3000	5500	
Breaking capacity						
220/230 V		A	2500	2500	5000	
380/400 V		A	2500	2500	5000	
500 V		A	2500	2500	5000	
660/690 V		A	2500	2500	5000	
1000 V		A	760	760	950	
Component lifespan			→ Engineering guidelines			
Short-circuit rating						
Short-circuit protection maximum fuse						
Type "2" coordination						
400 V	gG/gL 500 V	A	315	315	500	
690 V	gG/gL 690 V	A	315	315	500	
1000 V	gG/gL 1000 V	A	160	160	200	
Type "1" coordination						
400 V	gG/gL 500 V	A	400	400	630	
690 V	gG/gL 690 V	A	400	400	630	
1000 V	gG/gL 1000 V	A	200	200	250	
AC						
AC-1 duty						
conv. therm. current 3 pole 50 – 60 Hz						
open						
at 40 °C	I_{th}	A	337	386 429	490 612	
at 50 °C	I_{th}	A	301	345 383	438 548	
at 55 °C	I_{th}	A	287	329 366	418 522	
at 60 °C	I_{th}	A	275	315 350	400 500	
enclosed						
	I_{th}	A	250	275 300	350 450	
Conventional free air thermal current, 1 pole						
open ¹⁾	I_{th}	A	685	785 875	1000 1250	
enclosed ¹⁾	I_{th}	A	625	685 750	875 1125	
AC-3 duty						
Rated operational current AC-3 open, 50 – 60 Hz, 3 pole						
220/230 V	I_e	A	185	225 250	300 400	
240 V	I_e	A	185	225 250	300 400	
380/400 V	I_e	A	185	225 250	300 400	
415 V	I_e	A	185	225 250	300 400	
440 V	I_e	A	185	225 250	300 400	
500 V	I_e	A	185	225 250	300 400	
660/690 V	I_e	A	185	225 250	300 360	
1000 V	I_e	A	76	76 76	95 95	
Motor rating						
220/230 V	P	kW	55	70 75	90 125	
240V	P	kW	62	75 85	100 132	
380/400 V	P	kW	90	110 132	160 200	
415 V	P	kW	110	132 148	180 240	
440 V	P	kW	90	110 132	160 200	
500 V	P	kW	132	160 180	215 290	
660/690 V	P	kW	175	215 240	286 344	
1000 V	P	kW	108	108 108	132 132	

Notes

- ¹⁾ at maximum permissible ambient temperature
- ²⁾ on request
- ³⁾ up to 690 V

		DILM580 DILM650		DILM750 DILM820		DILM1000		DILM1600		DILH1400 DILH2000	
8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000
III/3	III/3	III/3	III/3	III/3	III/3	III/3	III/3	III/3	III/3	III/3	III/3
1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
500	500	500	500	500	500	500	500	500	500	500	500
500	500	500	500	500	500	500	500	500	500	500	500
5500	7800	9840	9840	9840	9840	19000	19000	19000	19000	9840	9840
5000	6500	8200	8200	8200	8200	16000	16000	16000	16000	8200	8200
5000	6500	8200	8200	8200	8200	16000	16000	16000	16000	8200	8200
5000	6500	8200	8200	8200	8200	16000	16000	16000	16000	8200	8200
5000	6500	8200	8200	8200	8200	16000	16000	16000	16000	8200	8200
950	4350	5800	5800	5800	5800	5800	5800	5800	5800	5800	5800
→ Engineering guidelines											
500	630	630	630	630	630	–	–	–	–	–	–
500	630	630	630	630	630	–	–	–	–	–	–
200	500	630	630	630	630	–	–	–	–	–	–
630	1000	1200	1200	1200	1200	–	–	–	–	–	–
630	1000	1200	1200	1200	1200	–	–	–	–	–	–
250	630	800	800	800	800	–	–	–	–	–	–
857	980 1041	1102 1225	1225	1225	1225	2200	2200	2200	2200	1714 ³⁾ 2450 ³⁾	1714 ³⁾ 2450 ³⁾
767	876 931	986 1095	1095	1095	1095	1970	1970	1970	1970	1533 ³⁾ 2190 ³⁾	1533 ³⁾ 2190 ³⁾
731	836 888	940 1044	1044	1044	1044	1880	1880	1880	1880	1462 ³⁾ 2089 ³⁾	1462 ³⁾ 2089 ³⁾
700	800 850	900 1000	1000	1000	1000	1800	1800	1800	1800	1400 ³⁾ 2000 ³⁾	1400 ³⁾ 2000 ³⁾
650	–	–	–	–	–	–	–	–	–	–	–
1750	2000 2125	2250 2500	2500	2500	2500	4500	4500	4500	4500	3500 5000	3500 5000
1600	–	–	–	–	–	–	–	–	–	–	–
500	580 650	750 820	1000	1000	1000	1600	1600	1600	1600	–	–
500	580 650	750 820	1000	1000	1000	1600	1600	1600	1600	–	–
500	580 650	750 820	1000	1000	1000	1600	1600	1600	1600	–	–
500	580 650	750 820	1000	1000	1000	1600	1600	1600	1600	–	–
500	580 650	750 820	1000	1000	1000	1600	1600	1600	1600	–	–
500	580 650	750 820	1000	1000	1000	1600	1600	1600	1600	–	–
500	580 650	750 820	1000	1000	1000	1600	1600	1600	1600	–	–
360	580 650	750 820	1000	1000	1000	1600	1600	1600	1600	–	–
95	435 435	580 580	750	750	750	2)	2)	2)	2)	–	2)
155	185 205	240 260	315	315	315	500	500	500	500	–	–
170	200 225	260 285	340	340	340	550	550	550	550	–	–
250	315 355	400 450	560	560	560	900	900	900	900	–	–
300	348 390	455 500	610	610	610	930	930	930	930	–	–
250	370 420	480 450	650	650	650	1000	1000	1000	1000	–	–
360	420 470	550 600	730	730	730	1180	1180	1180	1180	–	–
344	560 630	720 750	1000	1000	1000	1600	1600	1600	1600	–	–
132	600 600	800 800	1100	1100	1100	2)	2)	2)	2)	–	2)