

DILEM					DILEM	DILEM-G	DILEM4	DILEM4-G
DC								
Operations					→ Engineering DC circuits			
Rated operational current, open								
DC – 1	12 V	I_e	A	20	20	–	–	
	24 V	I_e	A	20	20	–	–	
	60 V	I_e	A	20	20	–	–	
	110 V	I_e	A	20	20	–	–	
	220 V	I_e	A	20	20	–	–	
DC – 3	12 V	I_e	A	8	8	–	–	
	24 V	I_e	A	8	8	–	–	
	60 V	I_e	A	4	4	–	–	
	110 V	I_e	A	3	3	–	–	
	220 V	I_e	A	–	–	1	1	
DC – 5	12 V	I_e	A	2.5	2.5	–	–	
	24 V	I_e	A	2.5	2.5	–	–	
	60 V	I_e	A	2.5	2.5	–	–	
	110 V	I_e	A	1.5	1.5	2.5	2.5	
	220 V	I_e	A	0.3	0.3	1	1	
Current heat losses (3- or 4-pole)								
to I_{th}			W	2	3.5	2.7	4.7	
at I_e to AC-3/400 V			W	0.5	0.7	–	–	
Magnet systems								
Voltage tolerance								
Single-voltage coil 50 Hz and dual-voltage coil 50 Hz, 60 Hz			Pick-up	$\times U_c$	0.8...1.1		0.8...1.1	
Dual-frequency coil 50/60 Hz			Pick-up	$\times U_c$	0.85...1.1		0.85...1.1	
DC operated			Pick-up	$\times U_c$		0.8...1.1		0.85...1.1
Power consumption								
AC operation								
Single-voltage coil 50 Hz and dual-voltage coil 50 Hz, 60 Hz			Pick-up	VA	25	–	25	–
Single-voltage coil 50 Hz and dual-voltage coil 50 Hz, 60 Hz			Pick-up	W	22	–	22	–
Single-voltage coil 50 Hz and dual-voltage coil 50 Hz, 60 Hz			Sealing	VA	4.6	–	4.6	–
Single-voltage coil 50 Hz and dual-voltage coil 50 Hz, 60 Hz			Sealing	W	1.3	–	1.3	–
Dual-frequency coil 50/60 Hz at 50 Hz			Pick-up	VA	30	–	30	–
Dual-frequency coil 50/60 Hz at 50 Hz			Pick-up	W	26	–	26	–
Dual-frequency coil 50/60 Hz at 50 Hz			Sealing	VA	5.4	–	5.4	–
Dual-frequency coil 50/60 Hz at 50 Hz			Sealing	W	1.6	–	1.6	–
Dual-frequency coil 50/60 Hz at 60 Hz			Pick-up	VA	29	–	29	–
Dual-frequency coil 50/60 Hz at 60 Hz			Pick-up	W	24	–	24	–
Dual-frequency coil 50/60 Hz at 60 Hz			Sealing	VA	3.9	–	3.9	–
Dual-frequency coil 50/60 Hz at 60 Hz			Sealing	W	1.1	–	1.1	–
DC operation ¹⁾								
Power consumption Pull-in = Sealing				VA/W	–	2.6	–	2.6
Duty factor				% DF	100	100	100	100
Switching times at 100 % U_c								
Make contact								
Closing delay								
Closing delay min.				ms	14	26	14	26
Closing delay max.				ms	21	35	21	35
Opening delay								
Opening delay min.				ms	8	15	8	15
Opening delay max.				ms	18	25	18	25
Closing delay with top mounting auxiliary contact				ms	max. 45	max. 70	max. 45	max. 70
Reversing contactors								
Changeover time at 110 % U_c								
Changeover time min.				ms	16	40	16	40
Changeover time max.				ms	21	50	21	50
Arcing time at 690 V AC				ms	max. 12	max. 12	max. 12	max. 12
Coil								
Lifespan, mechanical; Coil 50/60 Hz				at 50 Hz	7		7	

Notes

¹⁾ Smoothed DC or three-phase bridge rectifier