Technical DataMini contactor relays

DILEM				Moeller HPL0211-2007/2008 http://catalog.moeller.			ntalog.moeller.ne
				DILEM	DILEM-G	DILEM4	DILEM4-G
DC							
Operations				→ Engineering DC circuits			
Rated operational current, o				20	20		
DC – -1	12 V		_ A	20	20	_	-
	24 V		_ A	20	20	_	-
	60 V 110 V		- A A	20	20	_	_
	220 V	$rac{I_{ m e}}{I_{ m e}}$	- A	20	20	_	_
DC – 3	12 V			8	8	_	_
DC - 3	24 V	$rac{I_{ m e}}{I_{ m e}}$	- A A	8	8	_	_
	60 V	$rac{I_{ m e}}{I_{ m e}}$	A A	4	4		_
	110 V	$rac{I_{ m e}}{I_{ m e}}$	A A	3	3		
	220 V	$\frac{I_{ m e}}{I_{ m e}}$	A A	_	_	1	1
DC – 5	12 V	$rac{I_{ m e}}{I_{ m e}}$	A A	2.5	2.5	-	_
DC 3	24 V	$rac{I_{ m e}}{I_{ m e}}$	A A	2.5	2.5	_	_
	60 V	$\frac{I_{ m e}}{I_{ m e}}$	A A	2.5	2.5	-	_
	110 V	$rac{I_{ m e}}{I_{ m e}}$	A A	1.5	1.5	2.5	2.5
	220 V	$rac{I_{ m e}}{I_{ m e}}$	A A	0.3	0.3	1	1
Current heat losses (3- or 4-		16		0.5	0.5		
to I _{th}		W	2	3.5	2.7	4.7	
at $I_{\rm th}$			W	0.5	0.7		-
		VV	0.5	0.7			
Magnet systems							
Voltage tolerance	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			0.0 4.4	_	0.0.4.4	
Single-voltage coil 50 Hz and dual-voltage coil 50 Hz, 60 Hz		Pick-up	× U _c	0.81.1	_	0.81.1	
Dual-frequency coil 50/60 Hz		Pick-up	× U _c	0.851.1	0.0 1.1	0.851.1	0.05 4.4
DC operated		Pick-up	\times U_{c}		0.81.1		0.851.1
Power consumption							
AC operation	il FO II- and dual valtage sail FO II- 6	0 Hz Pick-up	VA	25		25	
	Single-voltage coil 50 Hz and dual-voltage coil 50 Hz, 60 Hz Single-voltage coil 50 Hz and dual-voltage coil 50 Hz, 60 Hz			25 22	_	25 22	_
Single-voltage co		W VA	4.6	_	4.6	_	
Single-voltage co		W	1.3		_		
Dual-frequency co	0 Hz Sealing Pick-up	VA VA	30	_	1.3	_	
	Pick-up		26		26		
Dual-frequency coil 50/60 Hz at 50 Hz			VA VA	5.4	_	5.4	_
Dual-frequency coil 50/60 Hz at 50 Hz		Sealing				_	
Dual-frequency coil 50/60 Hz at 50 Hz Dual-frequency coil 50/60 Hz at 60 Hz		Sealing	W VA	1.6	-	1.6	-
Dual-frequency coil 50/60 Hz at 60 Hz		Pick-up	W	24	_	29	_
		Pick-up			-	_	_
Dual-frequency coil 50/60 Hz at 60 Hz Dual-frequency coil 50/60 Hz at 60 Hz		Sealing Sealing	VA W	3.9	_	3.9	_
DC operation ¹⁾	on 50/00 Hz at 00 Hz	Sealing	VV	1.1		1.1	
Power comsumpt		VA/W	-	2.6		2.6	
Duty factor	ion run-in = Seaming		% DF	100	100	100	100
Switching times at 100 % U _c			/0 DI	100	100	100	100
Make contact	:						
Closing delay				-			
closing uclay	Closing delay min.		ms	14	26	14	26
	Closing delay max.		ms	21	35	21	35
Opening delay	crossing acidy max.		1113	21	33	4 1	33
opening acial	Opening delay min.		ms	8	15	8	15
	Opening delay max.		ms	18	25	18	25
Closing delay wit	h top mounting auxiliary contact		ms	max. 45	max. 70	max. 45	max. 70
Reversing contactors			.115				
Changeover time	at 110 % //-						
Changeover tille	Changeover time min.		ms	16	40	16	40
	Changeover time max.		ms	21	50	21	50
Arcing time at 69			ms	max. 12	max. 12	max. 12	max. 12
Coil	· · · · ·		1113	mun 12	mux. 12	mux. 12	mux. 12
	ical; Coil 50/60 Hz	at 50 Hz		7		7	
	Con 30/00 112	at 50 HZ		,		,	

Notes



¹⁾ Smoothed DC or three-phase bridge rectifier