

Auxiliary Contacts, Accessories

Technical Data

Auxiliary contacts			DIL00(A)(B)M-01 DIL00(A)(B)M-10 ..SDILM	..DILM	DILM820-XHI...	DILP800-XHI	
Rated impulse withstand voltage U_{imp}			V	6000	6000	6000	6000
Overvoltage category/ pollution degree				III/3	III/3	III/3	III/3
Rated insulation voltage U_i			V AC	690	690	690	690
Rated operational voltage U_e			V AC	500	500	500	690
Safe isolation to IEC 536							
between coil and auxiliary contacts			V AC	440	440	440	1000
between the auxiliary contacts			V AC	440	440	440	400
Rated operational current I_e							
AC-15	200/240 V	A	6	6	6	6	
	380/415 V	A	4	4	4	4	
	500 V	A	1.5	1.5	1.5	1	
DC-13 ¹⁾ L/R ≤ 15ms	24 V	A	10	10	10	6	
	60 V	A	6	6	6	4	
	110 V	A	3	3	3	1.8	
	220 V	A	1	1	1	0.6	
Conventional thermal current I_{th}			A	16	16	10	10
Control circuit reliability at $U_e = 24$ V DC, $U_{min} = 17$ V, $I_{min} = 5.4$ mA							
Fault probability H_F				<10 ⁸ , <1 fault in 100 million operations			
Component lifespan							
$U_e = 230$ V, AC-15, 3 A	Operations	×10 ⁶	DILR diagram → Page 04/032	DILR diagram → Page 04/032	DILR diagram → Page 04/032		0.5
Short-circuit rating without welding Maximum fuse ²⁾			A gG/gL	16	16	16	10
Max. overcurrent protective device	220/230 V	Using FAZ-C	—	4	4		—

Paralleling links			P1DILEM P1DIL00M	P1DIL0M	P1DIL1M	P1DIL2M	P1DIL3M	P1DIL4M
Terminal capacity (1 or 2 conductors can be connected)								
Solid	mm ²	1 – 16	1 – 16	16	16	1 – 16	—	—
Flexible with ferrule	mm ²	1 × (0.5 – 25)	1 × (0.5 – 50)	1 × (6 – 95)	1 × (6 – 150)	—	—	—
	mm ²	2 × (0.5 – 16)	2 × (0.5 – 16)	2 × (6 – 25)	2 × (6 – 50)	—	—	—
Stranded	mm ²	1 × (0.5 – 25)	1 × (0.5 – 50)	1 × (6 – 95)	1 × (6 – 150)	1 × (16 – 185)	1 × (30 – 300)	—
	mm ²	2 × (0.5 – 16)	2 × (0.5 – 16)	2 × (6 – 25)	2 × (6 – 50)	2 × (10 – 95)	2 × (70 – 120)	—
Flat conductor	mm	6 × 9 × 0.8	6 × 9 × 0.8	—	—	2 × (10 × 16 × 0.8)	2 × (11 × 21 × 1)	—

Cable terminal block			DILM225-XKU-S	DILM400-XKU-S	DILM185-XP1	DILM650-XKB-S	DILM820-XKB-S
Terminal capacity							
Stranded	mm ²	1 × (16 – 185)	1 × (70 – 300)	—	—	—	—
	mm ²	2 × (16 – 150)	2 × (70 – 240)	—	—	—	—
Stranded	AWG	1 × (6 – 350 MCM)	1 × (00 – 600 MCM)	—	—	—	—
	AWG	2 × (6 – 300 MCM)	2 × (00 – 500 MCM)	—	—	—	—
Flat conductor	Min. mm	1 × (3 × 9 × 0.8)	1 × (6 × 9 × 0.8)	1 × (6 × 16 × 0.8)	1 × (6 × 16 × 0.8)	1 × (6 × 16 × 0.8)	1 × (6 × 16 × 0.8)
	Max. mm	2 × (10 × 16 × 0.8)	2 × (20 × 24 × 0.5)	2 × (20 × 32 × 0.5)	2 × (20 × 32 × 0.5)	2 × (20 × 32 × 0.5)	2 × (10 × 40 × 1)
			2 × (11 × 21 × 1)	2 × (11 × 21 × 1)	2 × (11 × 21 × 1)	2 × (11 × 21 × 1)	2 × (20 × 40 × 0.5)
Control circuit cables							
Solid	mm ²	1(2) × (0.75 – 4)					
Flexible with ferrule	mm ²	1(2) × (0.75 – 2.5)					

Notes

- Making and breaking currents to DC-13, time constant as stated
- See transparent overlay "Fuses" for time/current characteristics (please enquire)