



RCBO's - Residual Current Circuit Breakers With Overcurrent Protection

Series DM100

EN/IEC 61009-1	10000
	3
Type AC	
Type A	

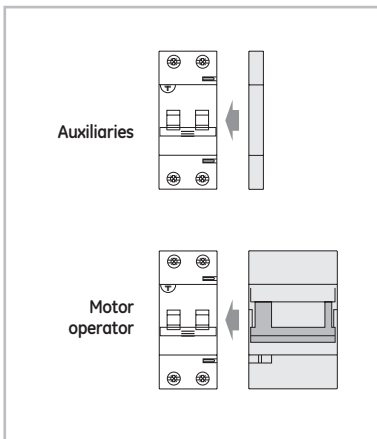
Applications



Approval / Marking



Add-on devices



- Auxiliary contacts ● pg C.4
- Motor operator ● pg C.7
- Shunt trip ● pg C.8
- Undervoltage release ● pg C.8
- Panel board switch ● pg C.8

- Busbars ● pg E.2
- More technical data ● pg B.4
- Dimensions ● pg B.32

Performance


Thermal setting I_n	(A) 4 to 40
Residual current $I_{\Delta n}$	(mA) 10, 30, 100, 300
Tripping characteristic	B-C
Rated voltage AC U_n	(V) 230
Minimum operating voltage U_{Bmin}	(V) 117
Mechanical/electrical endurance	20000/10000
Tropicalisation acc. to EN/IEC 60068-2-28/2-30 and DIN 40046	95%RH at 55°C
Terminal capacity flexible/rigid cable (mm ²)	Top terminal: 16-25 Bottom terminal: 25-35
Poles	1+N
Nuisance tripping resistance	250A 8/20μs; 200A 0.5μs - 100kHz
Ambient temperature (°C)	Type AC: -5 upto 40 Type A: -25 upto 40
Weight (g)	250

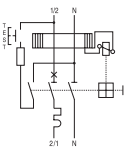
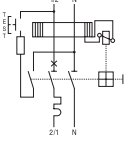
Short-circuit capacity


Acc. to EN/IEC 61009-1 and EN/IEC 60898-1	
Residual making and breaking capacity	$I_{\Delta m} = 6000A$
Short-circuit capacity	$I_{cn} = 10000A$ at 240V
Selectivity class	3

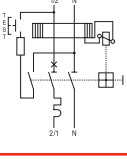
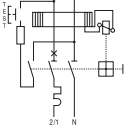
Acc. to EN/IEC 60947-2	
Short-circuit capacity	$I_{cu} = 15000A$ at 240V



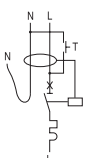
Series DM100 - Type AC 

	10 mA		30 mA		100 mA		300 mA		Pack.	
	In (A)	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.		Ref. No.
Characteristic B 1P+N 	6	DM100B06/010	609926	DM100B06/030	609931	DM100B06/100	609939	DM100B06/300	609947	6
	10	DM100B10/010	609927	DM100B10/030	609932	DM100B10/100	609940	DM100B10/300	609948	6
	13	DM100B13/010	609928	DM100B13/030	609933	DM100B13/100	609941	DM100B13/300	609949	6
	16	DM100B16/010	609929	DM100B16/030	609934	DM100B16/100	609942	DM100B16/300	609950	6
	20	DM100B20/010	609930	DM100B20/030	609935	DM100B20/100	609943	DM100B20/300	609951	6
	25	-	-	DM100B25/030	609936	DM100B25/100	609944	DM100B25/300	609952	6
	32	-	-	DM100B32/030	609937	DM100B32/100	609945	DM100B32/300	609953	6
	40	-	-	DM100B40/030	609938	DM100B40/100	609946	DM100B40/300	609954	6
Characteristic C 1P+N 	4	DM100C04/010	609955	DM100C04/030	609961	DM100C04/100	609970	DM100C04/300	609979	6
	6	DM100C06/010	609956	DM100C06/030	609962	DM100C06/100	609971	DM100C06/300	609980	6
	10	DM100C10/010	609957	DM100C10/030	609963	DM100C10/100	609972	DM100C10/300	609981	6
	13	DM100C13/010	609958	DM100C13/030	609964	DM100C13/100	609973	DM100C13/300	609982	6
	16	DM100C16/010	609959	DM100C16/030	609965	DM100C16/100	609974	DM100C16/300	609983	6
	20	DM100C20/010	609960	DM100C20/030	609966	DM100C20/100	609975	DM100C20/300	609984	6
	25	-	-	DM100C25/030	609967	DM100C25/100	609976	DM100C25/300	609985	6
	32	-	-	DM100C32/030	609968	DM100C32/100	609977	DM100C32/300	609986	6
40	-	-	DM100C40/030	609969	DM100C40/100	609978	DM100C40/300	609987	6	

Series DM100 - Type A 

	10 mA		30 mA		100 mA		300 mA		Pack.	
	In (A)	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.		Ref. No.
Characteristic B 1P+N 	6	DMA100B06/010	609864	DMA100B06/030	609869	DMA100B06/100	609877	DMA100B06/300	609885	6
	10	DMA100B10/010	609865	DMA100B10/030	609870	DMA100B10/100	609878	DMA100B10/300	609886	6
	13	DMA100B13/010	609866	DMA100B13/030	609871	DMA100B13/100	609879	DMA100B13/300	609887	6
	16	DMA100B16/010	609867	DMA100B16/030	609872	DMA100B16/100	609880	DMA100B16/300	609888	6
	20	DMA100B20/010	609868	DMA100B20/030	609873	DMA100B20/100	609881	DMA100B20/300	609889	6
	25	-	-	DMA100B25/030	609874	DMA100B25/100	609882	DMA100B25/300	609890	6
	32	-	-	DMA100B32/030	609875	DMA100B32/100	609883	DMA100B32/300	609891	6
	40	-	-	DMA100B40/030	609876	DMA100B40/100	609884	DMA100B40/300	609892	6
Characteristic C 1P+N 	4	DMA100C04/010	609893	DMA100C04/030	609899	DMA100C04/100	609908	DMA100C04/300	609917	6
	6	DMA100C06/010	609894	DMA100C06/030	609900	DMA100C06/100	609909	DMA100C06/300	609918	6
	10	DMA100C10/010	609895	DMA100C10/030	609901	DMA100C10/100	609910	DMA100C10/300	609919	6
	13	DMA100C13/010	609896	DMA100C13/030	609902	DMA100C13/100	609911	DMA100C13/300	609920	6
	16	DMA100C16/010	609897	DMA100C16/030	609903	DMA100C16/100	609912	DMA100C16/300	609921	6
	20	DMA100C20/010	609898	DMA100C20/030	609904	DMA100C20/100	609913	DMA100C20/300	609922	6
	25	-	-	DMA100C25/030	609905	DMA100C25/100	609914	DMA100C25/300	609923	6
	32	-	-	DMA100C32/030	609906	DMA100C32/100	609915	DMA100C32/300	609924	6
40	-	-	DMA100C40/030	609907	DMA100C40/100	609916	DMA100C40/300	609925	6	

Series DMT100 - Type AC 

(1)	In (A)	30 mA		Pack.
		Cat. No.	Ref. No.	
Characteristic C Unswitched neutral 1P+N 	4	DMT100C04/030	609289	6
	6	DMT100C06/030	609290	6
	10	DMT100C10/030	609291	6
	13	DMT100C13/030	609292	6
	16	DMT100C16/030	609293	6
	20	DMT100C20/030	609294	6
	25	DMT100C25/030	609295	6
	32	DMT100C32/030	609296	6
40	DMT100C40/030	609297	6	

(1) Please consult us for blue neutral flying lead