



Compact Electronic Residual Current Circuit Breaker

Series DMCE60, DICE60

EN/IEC 61009-1	6000
	3
Type AC	
Type A	

With Overcurrent Protection functionality dependent on Line Voltage

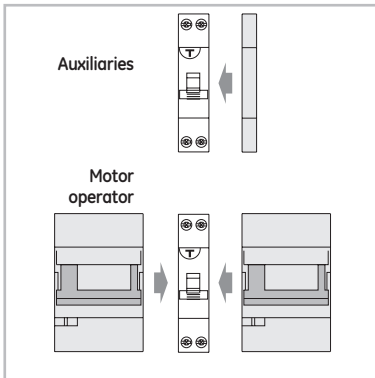
Applications



Approval / Marking



Add-on devices



(1) CAU auxiliary contact right side mounted is interface to make compatible all extensions CA, CB, Tele L, Tele U, PSB
 (2) Tele M can be mounded on both sides.

- 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) 6, 10, 16, 20, 25, 32, 40				
Residual current $I_{\Delta n}$	(mA) 30				
Tripping characteristic	B, C				
Rated voltage AC U_n	(V) 240				
Minimum operating voltage U_{Bmin}	(V) 85				
Mechanical/electrical endurance	20000/10000				
Tropicalisation acc. to EN/IEC 60068-2-28/2-30	95%RH at 55°C				
Terminals					
DICE (Industry)	<table border="0"> <tr> <td>Top</td> <td>Phase out⁽¹⁾, Neutral out⁽¹⁾, Neutral in⁽²⁾</td> </tr> <tr> <td>Bottom</td> <td>Phase in⁽³⁾</td> </tr> </table>	Top	Phase out ⁽¹⁾ , Neutral out ⁽¹⁾ , Neutral in ⁽²⁾	Bottom	Phase in ⁽³⁾
Top	Phase out ⁽¹⁾ , Neutral out ⁽¹⁾ , Neutral in ⁽²⁾				
Bottom	Phase in ⁽³⁾				
DMCE (Domestic)	<table border="0"> <tr> <td>Top</td> <td>Phase out⁽¹⁾, Neutral out⁽¹⁾</td> </tr> <tr> <td>Bottom</td> <td>Phase in⁽¹⁾, Neutral in⁽¹⁾, 1P+N (1 module)⁽⁴⁾</td> </tr> </table>	Top	Phase out ⁽¹⁾ , Neutral out ⁽¹⁾	Bottom	Phase in ⁽¹⁾ , Neutral in ⁽¹⁾ , 1P+N (1 module) ⁽⁴⁾
Top	Phase out ⁽¹⁾ , Neutral out ⁽¹⁾				
Bottom	Phase in ⁽¹⁾ , Neutral in ⁽¹⁾ , 1P+N (1 module) ⁽⁴⁾				
Poles					
Nuisance tripping resistance	250A 8/20μs				
Ambient temperature	(°C) -5 upto 55				
Weight DMCE-DICE	(g) 125-215g				

Short-circuit capacity

DME60 according to EN/IEC 61009-1	
Residual making and breaking capacity	$I_{\Delta m} = 6000A^{(5)}$
Short-circuit capacity	$I_{cn} = 6000A$ at 240V
Selectivity class	3

Terminal capacity:
 (1) Rigid copper wires 1-25mm², flexible copper wires 1.5 - 16mm²
 (2) Flying lead entering the device from top side. Cross section of 4mm² up to 25A, 6mm² up to 40A, 1200mm length.
 (3) Rigid copper wires 1-35mm², Flexible copper wires 1.5 - 25mm²
 (4) Neutral on the left.
 (5) $I_n \geq 25A$ on testing

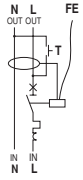
New



Series DMCE60 - Type AC  - Domestic Applications



Switched neutral
1P+N

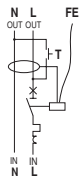


In (A)	B		C		Pack.
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	
6	DMCE60B06/030	694014	DMCE60C06/030	694000	1
10	DMCE60B10/030	694015	DMCE60C10/030	694001	1
16	DMCE60B16/030	694016	DMCE60C16/030	694002	1
20	DMCE60B20/030	694017	DMCE60C20/030	694003	1
25	DMCE60B25/030	694018	DMCE60C25/030	694004	1
32	DMCE60B32/030	694019	DMCE60C32/030	694005	1
40	DMCE60B40/030	694020	DMCE60C40/030	694006	1

Series DMCEA60 - Type A  - Domestic Applications



Switched neutral
1P+N



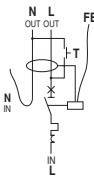
In (A)	B		C		Pack.
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	
6	DMCEA60B06/030	694021	DMCEA60C06/030	694007	1
10	DMCEA60B10/030	694022	DMCEA60C10/030	694008	1
16	DMCEA60B16/030	694023	DMCEA60C16/030	694009	1
20	DMCEA60B20/030	694024	DMCEA60C20/030	694010	1
25	DMCEA60B25/030	694025	DMCEA60C25/030	694011	1
32	DMCEA60B32/030	694026	DMCEA60C32/030	694012	1
40	DMCEA60B40/030	694027	DMCEA60C40/030	694013	1

Series DICE60 - Type AC  - Industrial Applications



(1)

Unswitched neutral
1P+N



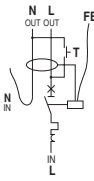
In (A)	B		C		Pack.
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	
6	DICE60B06/030	694042	DICE60C06/030	694028	1
10	DICE60B10/030	694043	DICE60C10/030	694029	1
16	DICE60B16/030	694044	DICE60C16/030	694030	1
20	DICE60B20/030	694045	DICE60C20/030	694031	1
25	DICE60B25/030	694046	DICE60C25/030	694032	1
32	DICE60B32/030	694047	DICE60C32/030	694033	1
40	DICE60B40/030	694048	DICE60C40/030	694034	1

Series DICEA60 - Type A  - Industrial Applications



(1)

Unswitched neutral
1P+N



In (A)	B		C		Pack.
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	
6	DICEA60B06/030	694049	DICEA60C06/030	694035	1
10	DICEA60B10/030	694050	DICEA60C10/030	694036	1
16	DICEA60B16/030	694051	DICEA60C16/030	694037	1
20	DICEA60B20/030	694052	DICEA60C20/030	694038	1
25	DICEA60B25/030	694053	DICEA60C25/030	694039	1
32	DICEA60B32/030	694054	DICEA60C32/030	694040	1
40	DICEA60B40/030	694055	DICEA60C40/030	694041	1

(1) Please consult us for blue neutral flying lead

Compact eRCBO's

A

B

C

D

E

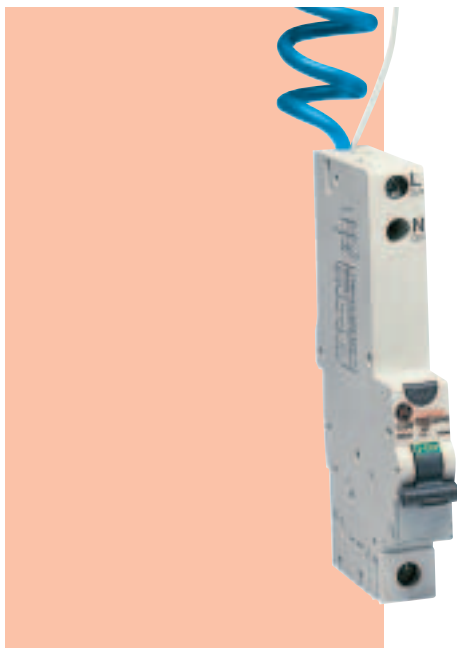
F

G

X



New



RCBO's - Residual Current Circuit Breakers with Overcurrent Protection

Series DME

EN/IEC 61009-1	6000
	3
	10000
	3
Type AC	
Type A	

Applications



For use in consumer units and distribution boards.

Marking



Performance

Thermal setting I_n	(A) 6, 10, 16, 20, 25, 32, 40
Residual current $I_{\Delta n}$	(mA) 10, 30, 100
Tripping characteristic	B, C
Rated voltage AC U_n	(V) 265
Minimum operating voltage U_{Bmin}	(V) 195
Mechanical/electrical endurance	20000/10000
Tropicalisation acc. to EN/IEC 60068-2-28/2-30	95%RH at 55°C
Terminal capacity flexible/rigid cable	(mm ²) Bottom terminal: 16-25
Poles	1+N (1 module)
Nuisance tripping resistance	250A 8/20μs
Ambient temperature	(°C) -5 upto 55
Weight	(g) 235

The earth reference cable (FE white) ensures protection against earth leakage in case of loss of supply neutral.

Short-circuit capacity

DME60 acc. to EN/IEC 61009-1


Residual making en breaking capacity	$I_{\Delta m} = 6000A$
Short-circuit capacity	$I_{cn} = 6000A$ at 240V
Selectivity class	3

DME100 acc. to EN/IEC 61009-1

Residual making en breaking capacity	$I_{\Delta m} = 10000A$
Short-circuit capacity	$I_{cn} = 10000A$ at 240V
Selectivity class	3

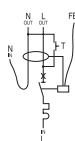
- Busbars ● pg E.2
- More technical data ● pg B.4
- Dimensions ● pg B.32




Series DME60 - Type AC 



Characteristic C
Unswitched neutral
1P+N

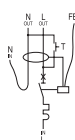


In (A)	30mA				
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Pack.
6	DME60C06/030	605060			1
10	DME60C10/030	605061			1
16	DME60C16/030	605062			1
20	DME60C20/030	605063			1
25	DME60C25/030	605064			1
32	DME60C32/030	605065			1
40	DME60C40/030	605066			1

Series DME100 - Type AC 



Characteristic B
Unswitched neutral
1P+N



In (A)	10mA		30mA		Pack.
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	
6	DME100B06/010	605030	DME100B06/030	605037	1
10	DME100B10/010	605031	DME100B10/030	605038	1
16	DME100B16/010	605032	DME100B16/030	605039	1
20	DME100B20/010	605033	DME100B20/030	605040	1
25	DME100B25/010	605034	DME100B25/030	605041	1
32	DME100B32/010	605035	DME100B32/030	605042	1
40	DME100B40/010	605036	DME100B40/030	605043	1

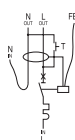
Characteristic C
Unswitched neutral
1P+N

6	DME100C06/010	605044	DME100C06/030	605051	1
10	DME100C10/010	605045	DME100C10/030	605052	1
16	DME100C16/010	605046	DME100C16/030	605053	1
20	DME100C20/010	605047	DME100C20/030	605054	1
25	DME100C25/010	605048	DME100C25/030	605055	1
32	DME100C32/010	605049	DME100C32/030	605056	1
40	DME100C40/010	605050	DME100C40/030	605057	1

Series DMEA100 - Type A 



Characteristic B
Unswitched neutral
1P+N



In (A)	10mA		30mA		Pack.
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	
6	DMEA100B06/010	605150	DMEA100B06/030	605157	1
10	DMEA100B10/010	605151	DMEA100B10/030	605158	1
16	DMEA100B16/010	605152	DMEA100B16/030	605159	1
20	DMEA100B20/010	605153	DMEA100B20/030	605160	1
25	DMEA100B25/010	605154	DMEA100B25/030	605161	1
32	DMEA100B32/010	605155	DMEA100B32/030	605162	1
40	DMEA100B40/010	605156	DMEA100B40/030	605163	1

Characteristic C
Unswitched neutral
1P+N

6	DMEA100C06/010	605164	DMEA100C06/030	605171	1
10	DMEA100C10/010	605165	DMEA100C10/030	605172	1
16	DMEA100C16/010	605166	DMEA100C16/030	605173	1
20	DMEA100C20/010	605167	DMEA100C20/030	605174	1
25	DMEA100C25/010	605168	DMEA100C25/030	605175	1
32	DMEA100C32/010	605169	DMEA100C32/030	605176	1
40	DMEA100C40/010	605170	DMEA100C40/030	605177	1

(1) Please consult us for black neutral flying lead

Series DME

A

B

C

D

E

F

G

X

