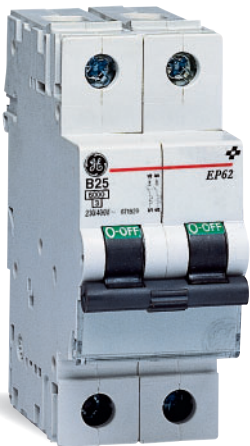


Redline Ed. 2012

Modular DIN-rail devices
and residential enclosures

Just feel protected



GE imagination at work

Modular DIN-rail devices for all applications

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Benefits

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Circuit protection

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People protection

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Add-on devices

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Energy management

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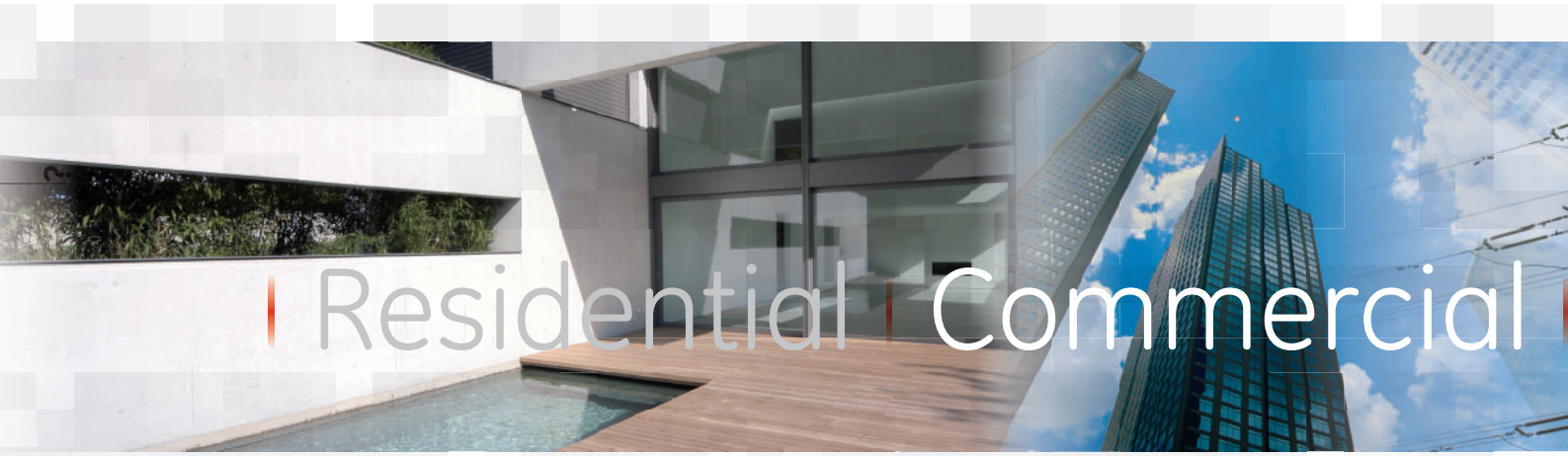
Equipment protection

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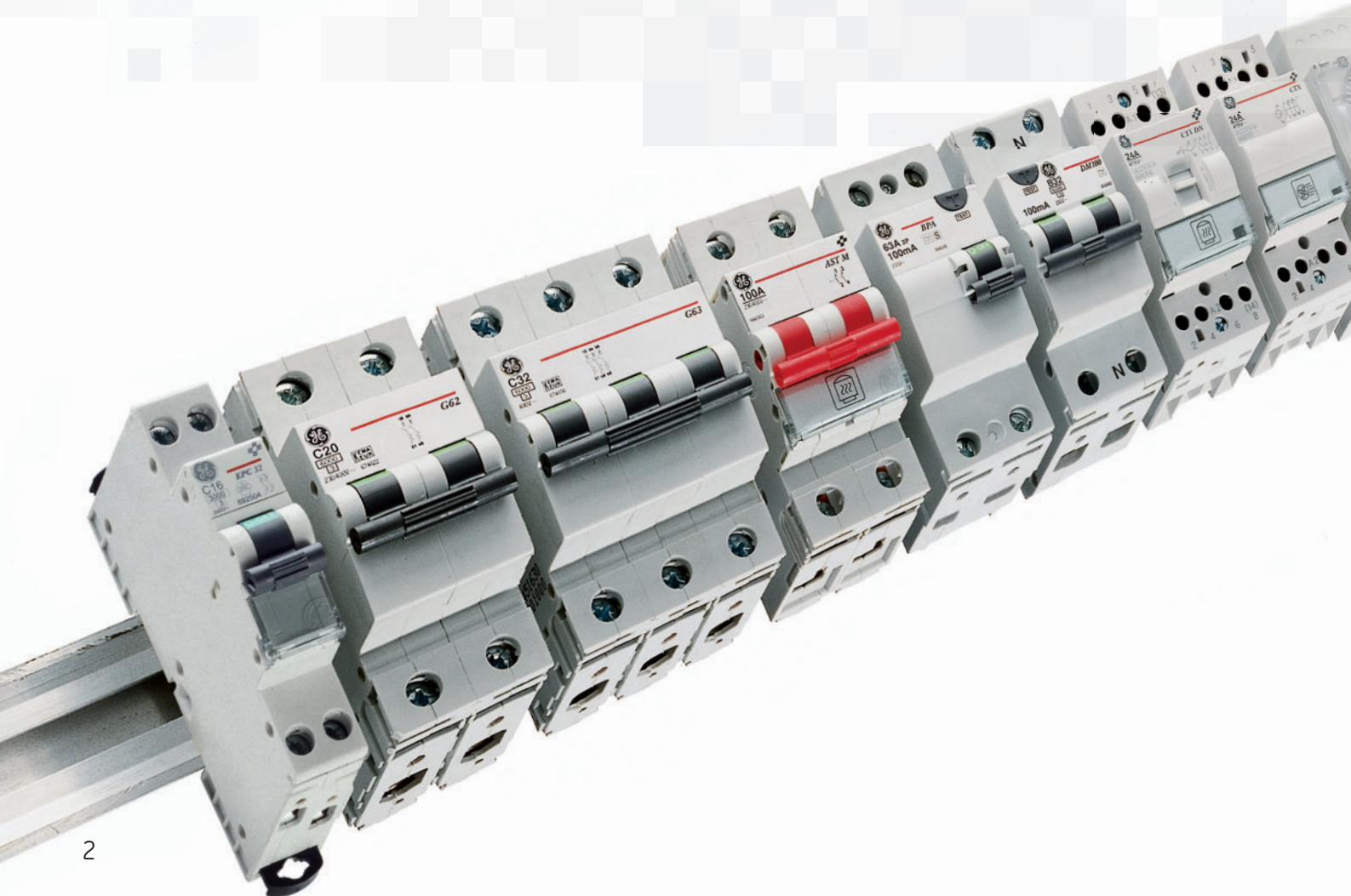
Numerical index



Modular DIN-rail Device



| Residential | Commercial |



Devices for all applications



- Residential
- Commercial
- Industrial

Redline

Circuit protection

MCB's up to 125A
up to 25 kA - EN/IEC 60898-1
up to 50 kA - EN/IEC 60947-2



People protection

RCCB's up to 100A
up to 500 mA
RCBO's up to 40A
up to 300 mA
E-RCBO's up to 30 mA
Add-on RCD's up to 125A
up to 1000 mA



Equipment protection

Surge arresters

Add-on devices

Auxiliaries
Shunt trip
Under voltage relay
Motor operator
Busbar systems



Energy management

Switches
Remote control
Time switches and relays
Transformers
Measurement instruments



The complete line

Modular DIN-rail Devices

MCB's
Up to 125A
Up to 25kA
(EN/IEC 60898-1)
B, C, D

RCBO's
Up to 10kA
(EN/IEC 61009-1)
Up to 63A
 $I\Delta m = 30, 300, 1000mA$

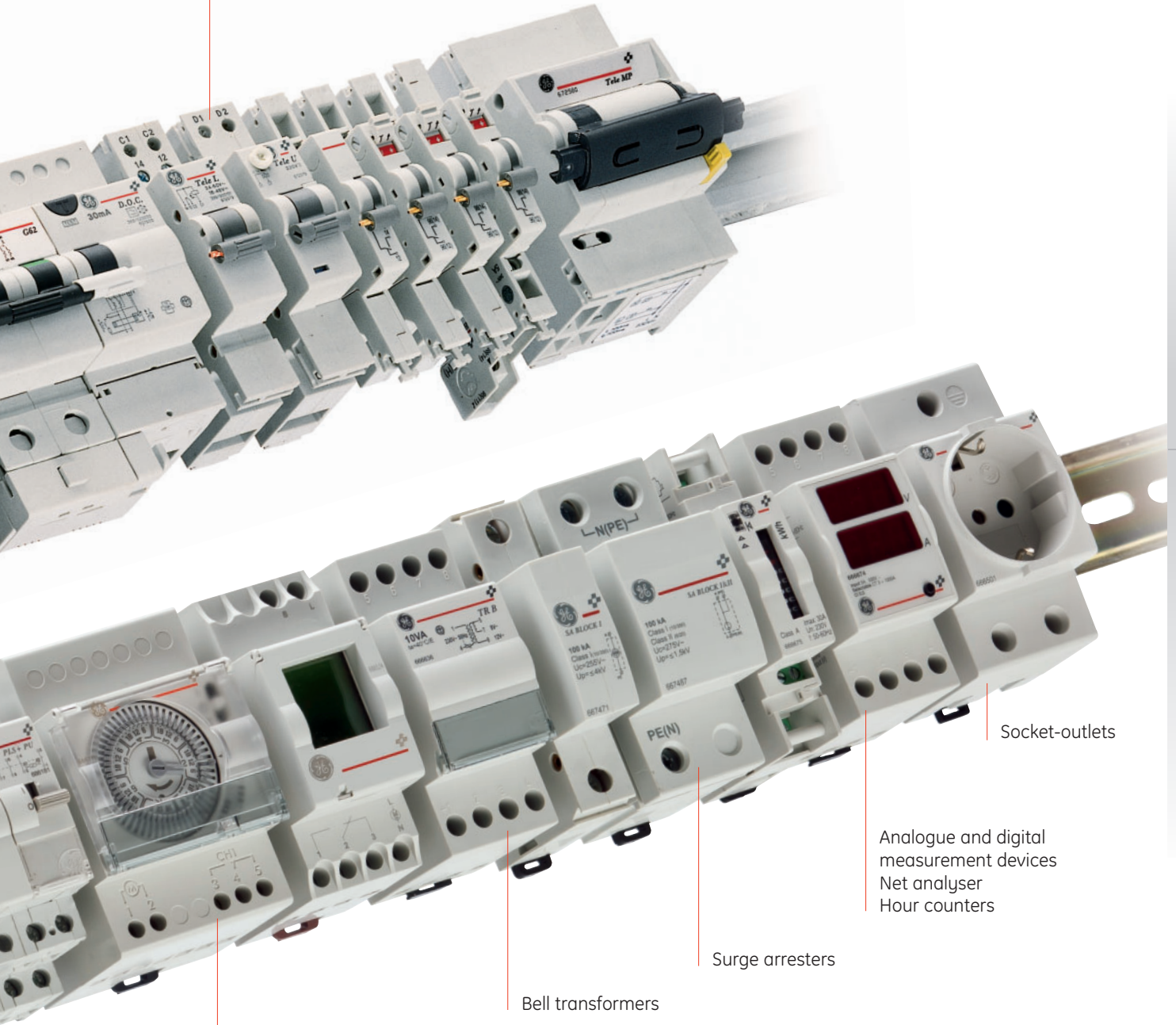
RCCB's
Up to 125A
 $I\Delta m = 10 \text{ to } 500mA$
10kA with 100A fuse

Modular relays
Impulse switches
Modular contactors
Day-night contactors

Modular switches 16/32A
Push-buttons 16A
Mains disconnect switch 32-100A
Modular switches 63-80-100A



Common add-on devices
 Auxiliary contacts
 Shunt trip
 Undervoltage release
 Panel board switch
 Motor operator



Time switches
 Light sensitive switch
 Staircase lighting time switch
 Time relays

Bell transformers

Surge arresters

Analogue and digital measurement devices
 Net analyser
 Hour counters

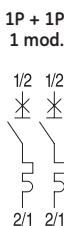
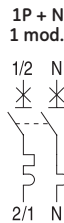
Socket-outlets

MCB's - Compact Miniature Circuit Breakers - Unibis™

Series EPC 451N
Series EPC 61N
Series EPC 611

Short-circuit capacity (kA)			
	Series EPC 451N	Series EPC 61N	Series EPC 611
EN/IEC 60898-1	1P+N Icn/Ics	1P+N Icn/Ics	1P+1P ⁽¹⁾ Icn/Ics
230Vac	-	-	6
240Vac	4.5	6	-
EN/IEC 60947-2	Icu	Icu	Icu
230Vac	-	-	6
240Vac	6	10	-

Circuit protection



Series EPC 451N - 4.5kA

Tripping characteristic B

In (A)	1P+N	
	Cat. No.	Ref. No.
2	EPC 451N B02	692810
4	EPC 451N B04	692811
6	EPC 451N B06	692812
10	EPC 451N B10	692813
13	-	-
16	EPC 451N B16	692814
20	EPC 451N B20	692815
25	EPC 451N B25	692816
32	EPC 451N B32	692817
40	EPC 451N B40	692818

Series EPC 61N - 6kA

1P+N	
EPC 61N B02	692819
EPC 61N B04	692820
EPC 61N B06	692821
EPC 61N B10	692822
EPC 61N B13	692604
EPC 61N B16	692823
EPC 61N B20	692824
EPC 61N B25	692825
EPC 61N B32	692826
EPC 61N B40	692827

Tripping characteristic C

In (A)	1P+N	
	Cat. No.	Ref. No.
2	EPC 451N C02	692781
4	EPC 451N C04	692782
6	EPC 451N C06	692783
10	EPC 451N C10	692784
13	-	-
16	EPC 451N C16	692786
20	EPC 451N C20	692787
25	EPC 451N C25	692788
32	EPC 451N C32	692789
40	EPC 451N C40	692790

1P+N	
EPC 61N C02	692791
EPC 61N C04	692792
EPC 61N C06	692793
EPC 61N C10	692794
EPC 61N C13	692795
EPC 61N C16	692796
EPC 61N C20	692797
EPC 61N C25	692798
EPC 61N C32	692799
EPC 61N C40	692800

Series EPC 611 - 6kA

Tripping characteristic B

In (A)	1P+1P ⁽¹⁾	
	Cat. No.	Ref. No.
2	EPC 611 B02	692689
4	EPC 611 B04	692690
6	EPC 611 B06	692691
10	EPC 611 B10	692692
13	EPC 611 B13	692693
16	EPC 611 B16	692694
20	EPC 611 B20	692695

Tripping characteristic C

In (A)	1P+1P ⁽¹⁾	
	Cat. No.	Ref. No.
2	EPC 611 C02	692699
4	EPC 611 C04	692700
6	EPC 611 C06	692701
10	EPC 611 C10	692702
13	EPC 611 C13	692703
16	EPC 611 C16	692704
20	EPC 611 C20	692705

(1) Single phase supply or same phase in 3 phase supply



MCB's - Compact Miniature Circuit Breakers - Unibis™

Series EPC 45 Series EPC 60

Short-circuit capacity (kA)	Series EPC 45			Series EPC 60		
	2P	3P	4P	2P	3P	4P
EN/IEC 60898-1 415Vac	4.5	lcn/lcs 4.5	4.5	6	lcn/lcs 6	6
EN/IEC 60947-2 415Vac 96Vdc	6 4.5	lcu -	6 -	10 6	lcu -	10 -

Series EPC 45 - 4.5kA

Tripping characteristic B

In (A)	2P		3P		4P	
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.
2	EPC 452 B02	692608	EPC 453 B02	692617 ⁽¹⁾	EPC 454 B02	692626
4	EPC 452 B04	692609	EPC 453 B04	692618 ⁽¹⁾	EPC 454 B04	692627
6	EPC 452 B06	692610	EPC 453 B06	692619 ⁽¹⁾	EPC 454 B06	692628
10	EPC 452 B10	692611	EPC 453 B10	692620 ⁽¹⁾	EPC 454 B10	692629
16	EPC 452 B16	692612	EPC 453 B16	692621 ⁽¹⁾	EPC 454 B16	692630
20	EPC 452 B20	692613	EPC 453 B20	692622 ⁽¹⁾	EPC 454 B20	692631
25	EPC 452 B25	692614	EPC 453 B25	692623 ⁽¹⁾	EPC 454 B25	692632
32	EPC 452 B32	692615	EPC 453 B32	692624 ⁽¹⁾	EPC 454 B32	692633
40	EPC 452 B40	692616	-	-	-	-

Tripping characteristic C

2	EPC 452 C02	692527	EPC 453 C02	692536 ⁽¹⁾	EPC 454 C02	692545
4	EPC 452 C04	692528	EPC 453 C04	692537 ⁽¹⁾	EPC 454 C04	692546
6	EPC 452 C06	692529	EPC 453 C06	692538 ⁽¹⁾	EPC 454 C06	692547
10	EPC 452 C10	692530	EPC 453 C10	692539 ⁽¹⁾	EPC 454 C10	692548
16	EPC 452 C16	692531	EPC 453 C16	692540 ⁽¹⁾	EPC 454 C16	692549
20	EPC 452 C20	692532	EPC 453 C20	692541 ⁽¹⁾	EPC 454 C20	692550
25	EPC 452 C25	692533	EPC 453 C25	692542 ⁽¹⁾	EPC 454 C25	692551
32	EPC 452 C32	692534	EPC 453 C32	692543 ⁽¹⁾	EPC 454 C32	692552
40	EPC 452 C40	692535	-	-	-	-

(1) The auxiliary contact CA UN must be placed only on the **left side** of the 3P MCB's

Series EPC 60 - 6kA

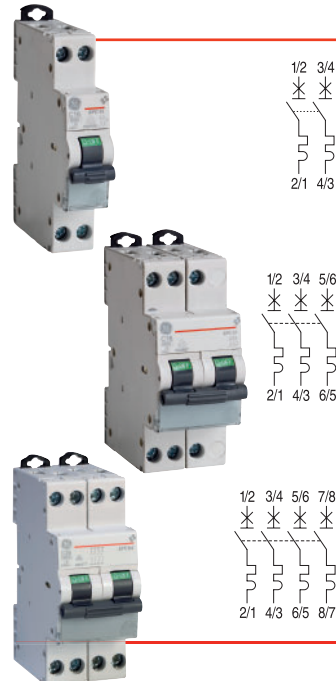
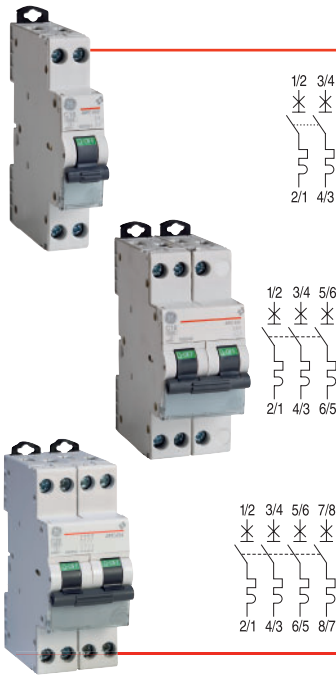
Tripping characteristic B

In (A)	2P		3P		4P	
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.
2	EPC 62 B02	692635	EPC 63 B02	692644 ⁽¹⁾	EPC 64 B02	692653
4	EPC 62 B04	692636	EPC 63 B04	692645 ⁽¹⁾	EPC 64 B04	692654
6	EPC 62 B06	692637	EPC 63 B06	692646 ⁽¹⁾	EPC 64 B06	692655
10	EPC 62 B10	692638	EPC 63 B10	692647 ⁽¹⁾	EPC 64 B10	692656
16	EPC 62 B16	692639	EPC 63 B16	692648 ⁽¹⁾	EPC 64 B16	692657
20	EPC 62 B20	692640	EPC 63 B20	692649 ⁽¹⁾	EPC 64 B20	692658
25	EPC 62 B25	692641	EPC 63 B25	692650 ⁽¹⁾	EPC 64 B25	692659
32	EPC 62 B32	692642	EPC 63 B32	692651 ⁽¹⁾	EPC 64 B32	692660
40	EPC 62 B40	692643	-	-	-	-

Tripping characteristic C

2	EPC 62 C02	692554	EPC 63 C02	692563 ⁽¹⁾	EPC 64 C02	692572
4	EPC 62 C04	692555	EPC 63 C04	692564 ⁽¹⁾	EPC 64 C04	692573
6	EPC 62 C06	692556	EPC 63 C06	692565 ⁽¹⁾	EPC 64 C06	692574
10	EPC 62 C10	692557	EPC 63 C10	692566 ⁽¹⁾	EPC 64 C10	692575
16	EPC 62 C16	692558	EPC 63 C16	692567 ⁽¹⁾	EPC 64 C16	692576
20	EPC 62 C20	692559	EPC 63 C20	692568 ⁽¹⁾	EPC 64 C20	692577
25	EPC 62 C25	692560	EPC 63 C25	692569 ⁽¹⁾	EPC 64 C25	692578
32	EPC 62 C32	692561	EPC 63 C32	692570 ⁽¹⁾	EPC 64 C32	692579
40	EPC 62 C40	692562	-	-	-	-

(1) The auxiliary contact CA UN must be placed only on the **left side** of the 3P MCB's



For complete range, see Redline catalogue.
Ask catalogue on simple request.



MCB's - Miniature Circuit Breakers

Series G30 - 3kA
Series G45 - 4.5kA

Short-circuit capacity (kA)								
	Series G30				Series G45			
	1P	2P	3P	4P	1P	2P	3P	4P
EN/IEC 60898-1 230/400Vac	3	3	3	3	4.5	4.5	4.5	4.5
EN/IEC 608947-2 127Vac	-	-	-	-	-	15	-	-
240Vdc	-	-	10	10	6	10	10	10
415Vdc	-	5	5	5	-	6	6	6

Series G30 - 3kA

Tripping characteristic B



In (A)	1P		2P		3P		4P	
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.
6	G31B06	674443	G32B06	674454	G33B06	674466	G34B06	674477
10	G31B10	674445	G32B10	674456	G33B10	674468	G34B10	674479
16	G31B16	674447	G32B16	674458	G33B16	674470	G34B16	674481
20	G31B20	674448	G32B20	674459	G33B20	674471	G34B20	674482
25	G31B25	674449	G32B25	674460	G33B25	674472	G34B25	674483
32	G31B32	674450	G32B32	674461	G33B32	674473	G34B32	674484
40	G31B40	674451	G32B40	674462	G33B40	674474	G34B40	674485

Tripping characteristic C



2	G31C02	674381	G32C02	674397	G33C02	674413	G34C02	674429
4	G31C04	674383	G32C04	674399	G33C04	674415	G34C04	674431
6	G31C06	674384	G32C06	674400	G33C06	674416	G34C06	674432
10	G31C10	674386	G32C10	674402	G33C10	674418	G34C10	674434
16	G31C16	674388	G32C16	674404	G33C16	674420	G34C16	674436
20	G31C20	674389	G32C20	674405	G33C20	674421	G34C20	674437
25	G31C25	674390	G32C25	674406	G33C25	674422	G34C25	674438
32	G31C32	674391	G32C32	674407	G33C32	674423	G34C32	674439
40	G31C40	674392	G32C40	674408	G33C40	674424	G34C40	674440

Series G45 - 4.5kA

Tripping characteristic B



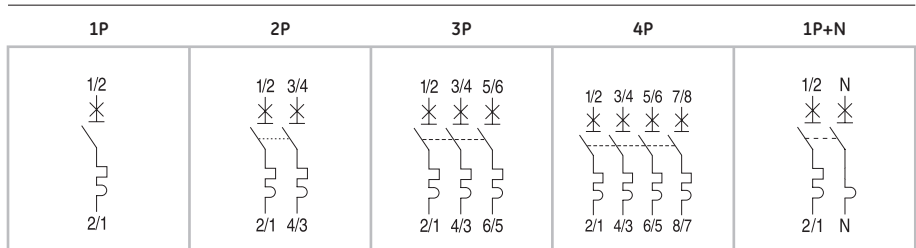
In (A)	1P		2P		3P		4P	
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.
6	G41B06	674552	G42B06	674563	G43B06	674574	G44B06	674585
10	G41B10	674554	G42B10	674565	G43B10	674576	G44B10	674587
16	G41B16	674556	G42B16	674567	G43B16	674578	G44B16	674589
20	G41B20	674557	G42B20	674568	G43B20	674579	G44B20	674590
25	G41B25	674558	G42B25	674569	G43B25	674580	G44B25	674591
32	G41B32	674559	G42B32	674570	G43B32	674581	G44B32	674592
40	G41B40	674560	G42B40	674571	G43B40	674582	G44B40	674593

Tripping characteristic C



2	G41C02	674490	G42C02	674506	G43C02	674522	G44C02	674538
4	G41C04	674492	G42C04	674508	G43C04	674524	G44C04	674540
6	G41C06	674493	G42C06	674509	G43C06	674525	G44C06	674541
10	G41C10	674495	G42C10	674511	G43C10	674527	G44C10	674543
16	G41C16	674497	G42C16	674513	G43C16	674529	G44C16	674545
20	G41C20	674498	G42C20	674514	G43C20	674530	G44C20	674546
25	G41C25	674499	G42C25	674515	G43C25	674531	G44C25	674547
32	G41C32	674500	G42C32	674516	G43C32	674532	G44C32	674548
40	G41C40	674501	G42C40	674517	G43C40	674533	G44C40	674549

Connection diagrams



MCB's - Miniature Circuit Breakers

Series G60 - 6kA

	Short-circuit capacity (kA)			
	1P	1P+N/2P	3P	3P+N/4P
Series G60				
EN/IEC 60898-1 230/400Vac	6	6	6	6
EN/IEC 608947-2 127Vac	-	30	-	-
240Vdc	10	20	20	20
415Vdc	-	10	10	10

Series G60 - 6kA

Tripping characteristic B



In (A)	1P		2P		3P		4P	
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.
6	G61B06	674692	G62B06	674714	G63B06	674725	G64B06	674736
10	G61B10	674694	G62B10	674716	G63B10	674727	G64B10	674738
16	G61B16	674696	G62B16	674718	G63B16	674729	G64B16	674740
20	G61B20	674697	G62B20	674719	G63B20	674730	G64B20	674741
25	G61B25	674698	G62B25	674720	G63B25	674731	G64B25	674742
32	G61B32	674699	G62B32	674721	G63B32	674732	G64B32	674743
40	G61B40	674700	G62B40	674722	G63B40	674733	G64B40	674744
50	G61B50	674701	G62B50	674723	G63B50	674734	G64B50	674745
63	G61B63	674702	G62B63	674724	G63B63	674735	G64B63	674746

Tripping characteristic B



In (A)	1P+N		2P		3P		4P	
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.
6	G61NB06	674703						
10	G61NB10	674705						
16	G61NB16	674707						
20	G61NB20	674708						
25	G61NB25	674709						
32	G61NB32	674710						
40	G61NB40	674711						
50	G61NB50	674712						
63	G61NB63	674713						

Tripping characteristic C



In (A)	1P		2P		3P		4P	
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.
0.5	-	-	-	-	-	-	G64C0.5	674660
2	G61C02	674598	G62C02	674630	G63C02	674646	G64C02	674662
4	G61C04	674600	G62C04	674632	G63C04	674648	G64C04	674664
6	G61C06	674601	G62C06	674633	G63C06	674649	G64C06	674665
10	G61C10	674603	G62C10	674635	G63C10	674651	G64C10	674667
16	G61C16	674605	G62C16	674637	G63C16	674653	G64C16	674669
20	G61C20	674606	G62C20	674638	G63C20	674654	G64C20	674670
25	G61C25	674607	G62C25	674639	G63C25	674655	G64C25	674671
32	G61C32	674608	G62C32	674640	G63C32	674656	G64C32	674672
40	G61C40	674609	G62C40	674641	G63C40	674657	G64C40	674673
50	G61C50	674610	G62C50	674642	G63C50	674658	G64C50	674674
63	G61C63	674611	G62C63	674643	G63C63	674659	G64C63	674675

Tripping characteristic C



In (A)	1P+N		2P		3P		4P	
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.
2	G61NC02	674614						
4	G61NC04	674616						
6	G61NC06	674617						
10	G61NC10	674619						
16	G61NC16	674621						
20	G61NC20	674622						
25	G61NC25	674623						
32	G61NC32	674624						
40	G61NC40	674625						
50	G61NC50	674626						
63	G61NC63	674627						

Under request: codes and information on

- Railway applications
- Shipping applications
- UL certified devices
- Plug-in and screwless versions

Series G60 - 6kA (continued)



Series G60 - 6kA

Tripping characteristic D

In (A)	1P		2P		3P		4P	
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.
2	G61D02	674760	G62D02	674792	G63D02	674808	G64D02	674824
4	G61D04	674762	G62D04	674794	G63D04	674810	G64D04	674826
6	G61D06	674763	G62D06	674795	G63D06	674811	G64D06	674827
10	G61D10	674765	G62D10	674797	G63D10	674813	G64D10	674829
16	G61D16	674767	G62D16	674799	G63D16	674815	G64D16	674831
20	G61D20	674768	G62D20	674800	G63D20	674816	G64D20	674832
25	G61D25	674769	G62D25	674801	G63D25	674817	G64D25	674833
32	G61D32	674770	G62D32	674802	G63D32	674818	G64D32	674834
40	G61D40	674771	G62D40	674803	G63D40	674819	G64D40	674835
50	G61D50	674772	G62D50	674804	G63D50	674820	G64D50	674836
63	G61D63	674773	G62D63	674805	G63D63	674821	G64D63	674837



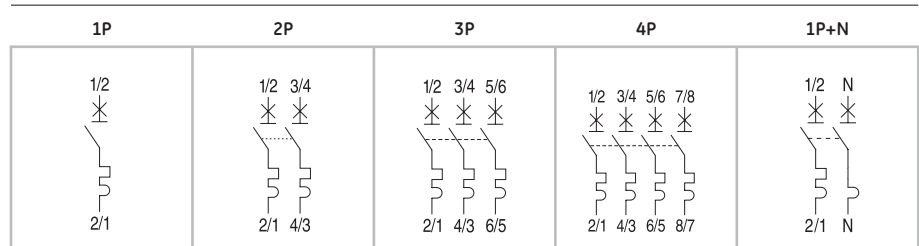
Tripping characteristic D

In (A)	1P+N							
	Cat. No.	Ref. No.						
2	G61ND02	674776						
4	G61ND04	674778						
6	G61ND06	674779						
10	G61ND10	674781						
16	G61ND16	674783						
20	G61ND20	674784						
25	G61ND25	674785						
32	G61ND32	674786						
40	G61ND40	674787						
50	G61ND50	674788						
63	G61ND63	674789						

Under request: codes and information on

- Railway applications
- Shipping applications
- UL certified devices
- Plug-in and screwless versions

Connection diagrams



MCB's - Miniature Circuit Breakers

Series G100 - 10kA

Short-circuit capacity (kA)				
Series G100				
	1P	1P+N/2P	3P	3P+N/4P
EN/IEC 60898-1 230/400Vac	10	10	10	10
EN/IEC 60894-2 127Vac	-	40	-	-
240Vdc	15	30	30	30
415Vdc	-	15	15	15

Series G100 - 10kA

Tripping characteristic B



In (A)	1P		2P		3P		4P	
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.
6	G101B06	674950	G102B06	674972	G103B06	674983	G104B06	674994
10	G101B10	674952	G102B10	674974	G103B10	674985	G104B10	674996
13	G101B13	674953	G102B13	674975	G103B13	674986	G104B13	674997
16	G101B16	674954	G102B16	674976	G103B16	674987	G104B16	674998
20	G101B20	674955	G102B20	674977	G103B20	674988	G104B20	674999
25	G101B25	674956	G102B25	674978	G103B25	674989	G104B25	675000
32	G101B32	674957	G102B32	674979	G103B32	674990	G104B32	675001
40	G101B40	674958	G102B40	674980	G103B40	674991	G104B40	675002
50	G101B50	674959	G102B50	674981	G103B50	674992	G104B50	675003
63	G101B63	674960	G102B63	674982	G103B63	674993	G104B63	675004

Tripping characteristic B



1P+N							
6	G101NB06	674961					
10	G101NB10	674963					
13	G101NB13	674964					
16	G101NB16	674965					
20	G101NB20	674966					
25	G101NB25	674967					
32	G101NB32	674968					
40	G101NB40	674969					
50	G101NB50	674970					
63	G101NB63	674971					

Tripping characteristic C



	1P		2P		3P		4P	
0.5	G101C0.5	674854	G102C0.5	674886	G103C0.5	674902	G104C0.5	674918
1	G101C01	674855	G102C01	674887	G103C01	674903	G104C01	674919
2	G101C02	674856	G102C02	674888	G103C02	674904	G104C02	674920
3	G101C03	674857	G102C03	674889	G103C03	674905	G104C03	674921
4	G101C04	674858	G102C04	674890	G103C04	674906	G104C04	674922
6	G101C06	674859	G102C06	674891	G103C06	674907	G104C06	674923
10	G101C10	674861	G102C10	674893	G103C10	674909	G104C10	674925
13	G101C13	674862	G102C13	674894	G103C13	674910	G104C13	674926
16	G101C16	674863	G102C16	674895	G103C16	674911	G104C16	674927
20	G101C20	674864	G102C20	674896	G103C20	674912	G104C20	674928
25	G101C25	674865	G102C25	674897	G103C25	674913	G104C25	674929
32	G101C32	674866	G102C32	674898	G103C32	674914	G104C32	674930
40	G101C40	674867	G102C40	674899	G103C40	674915	G104C40	674931
50	G101C50	674868	G102C50	674900	G103C50	674916	G104C50	674932
63	G101C63	674869	G102C63	674901	G103C63	674917	G104C63	674933

Tripping characteristic C



1P+N							
2	G101NC02	674872					
3	G101NC03	674873					
4	G101NC04	674874					
6	G101NC06	674875					
10	G101NC10	674877					
13	G101NC13	674878					
16	G101NC16	674879					
20	G101NC20	674880					
25	G101NC25	674881					
32	G101NC32	674882					
40	G101NC40	674883					
50	G101NC50	674884					
63	G101NC63	674885					

Under request: codes and information on

- Railway applications
- Shipping applications
- UL certified devices
- Plug-in and screwless versions



Series G100 - 10kA (continued)

Series G100 - 10kA

Tripping characteristic D



In (A)	1P		2P		3P		4P	
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.
0.5	G101D0.5	675016	G102D0.5	675048	G103D0.5	675064	G104D0.5	675080
1	G101D01	675017	G102D01	675049	G103D01	675065	G104D01	675081
2	G101D02	675018	G102D02	675050	G103D02	675066	G104D02	675082
3	G101D03	675019	G102D03	675051	G103D03	675067	G104D03	675083
4	G101D04	675020	G102D04	675052	G103D04	675068	G104D04	675084
6	G101D06	675021	G102D06	675053	G103D06	675069	G104D06	675085
10	G101D10	675023	G102D10	675055	G103D10	675071	G104D10	675087
13	G101D13	675024	G102D13	675056	G103D13	675072	G104D13	675088
16	G101D16	675025	G102D16	675057	G103D16	675073	G104D16	675089
20	G101D20	675026	G102D20	675058	G103D20	675074	G104D20	675090
25	G101D25	675027	G102D25	675059	G103D25	675075	G104D25	675091
32	G101D32	675028	G102D32	675060	G103D32	675076	G104D32	675092
40	G101D40	675029	G102D40	675061	G103D40	675077	G104D40	675093
50	G101D50	675030	G102D50	675062	G103D50	675078	G104D50	675094
63	G101D63	675031	G102D63	675063	G103D63	675079	G104D63	675095

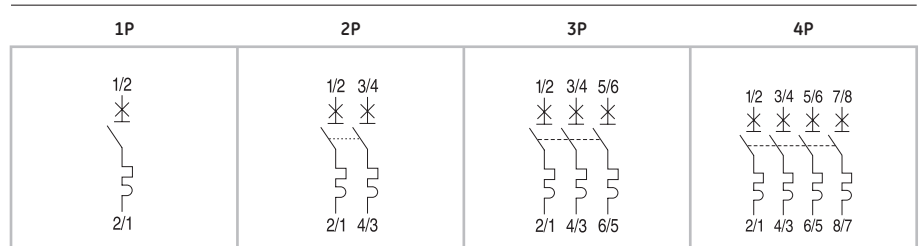
Tripping characteristic D



In (A)	1P+N							
	Cat. No.	Ref. No.						
0.5	G101ND0.5	675032						
1	G101ND01	675033						
2	G101ND02	675034						
3	G101ND03	675035						
4	G101ND04	675036						
6	G101ND06	675037						
10	G101ND10	675039						
13	G101ND13	675040						
16	G101ND16	675041						
20	G101ND20	675042						
25	G101ND25	675043						
32	G101ND32	675044						
40	G101ND40	675045						
50	G101ND50	675046						
63	G101ND63	675047						

Under request Codes and information for SHIPPING; TRAIN and UL certified devices.
Also for PLUG-IN & SCREWLESS versions

Connection diagrams



MCB's - Miniature Circuit Breakers

Series GT10 - 10kA

Short-circuit capacity (kA)				
Series GT10				
	1P	2P	3P	4P
EN/IEC 60947-2			I _{cu}	
60Vdc	-	20	-	-
125Vdc	25	-	-	-
127Vac	-	30	-	-
240Vac	10	20	20	20
415Vac	-	10	10	10

Series GT10

Tripping characteristic B (3-5I_n)



In (A)	1P		2P		3P		4P	
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.
6	GT101B06	675176	GT102B06	675187	GT103B06	675198	GT104B06	675209
10	GT101B10	675178	GT102B10	675189	GT103B10	675200	GT104B10	675211
13	GT101B13	675179	GT102B13	675190	GT103B13	675201	GT104B13	675212
16	GT101B16	675180	GT102B16	675191	GT103B16	675202	GT104B16	675213
20	GT101B20	675181	GT102B20	675192	GT103B20	675203	GT104B20	675214
25	GT101B25	675182	GT102B25	675193	GT103B25	675204	GT104B25	675215
32	GT101B32	675183	GT102B32	675194	GT103B32	675205	GT104B32	675216
40	GT101B40	675184	GT102B40	675195	GT103B40	675206	GT104B40	675217
50	GT101B50	675185	GT102B50	675196	GT103B50	675207	GT104B50	675218
63	GT101B63	675186	GT102B63	675197	GT103B63	675208	GT104B63	675219

Tripping characteristic C (5-10I_n)



In (A)	1P		2P		3P		4P	
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.
0.5	GT101C0.5	675112	GT102C0.5	675128	GT103C0.5	675144	GT104C0.5	675160
1	GT101C01	675113	GT102C01	675129	GT103C01	675145	GT104C01	675161
2	GT101C02	675114	GT102C02	675130	GT103C02	675146	GT104C02	675162
3	GT101C03	675115	GT102C03	675131	GT103C03	675147	GT104C03	675163
4	GT101C04	675116	GT102C04	675132	GT103C04	675148	GT104C04	675164
6	GT101C06	675117	GT102C06	675133	GT103C06	675149	GT104C06	675165
10	GT101C10	675119	GT102C10	675135	GT103C10	675151	GT104C10	675167
13	GT101C13	675120	GT102C13	675136	GT103C13	675152	GT104C13	675168
16	GT101C16	675121	GT102C16	675137	GT103C16	675153	GT104C16	675169
20	GT101C20	675122	GT102C20	675138	GT103C20	675154	GT104C20	675170
25	GT101C25	675123	GT102C25	675139	GT103C25	675155	GT104C25	675171
32	GT101C32	675124	GT102C32	675140	GT103C32	675156	GT104C32	675172
40	GT101C40	675125	GT102C40	675141	GT103C40	675157	GT104C40	675173
50	GT101C50	675126	GT102C50	675142	GT103C50	675158	GT104C50	675174
63	GT101C63	675127	GT102C63	675143	GT103C63	675159	GT104C63	675175

Tripping characteristic D (10-20I_n)



In (A)	1P		2P		3P		4P	
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.
0.5	GT101D0.5	675220	GT102D0.5	675236	GT103D0.5	675252	GT104D0.5	675268
1	GT101D01	675221	GT102D01	675237	GT103D01	675253	GT104D01	675269
2	GT101D02	675222	GT102D02	675238	GT103D02	675254	GT104D02	675270
3	GT101D03	675223	GT102D03	675239	GT103D03	675255	GT104D03	675271
4	GT101D04	675224	GT102D04	675240	GT103D04	675256	GT104D04	675272
6	GT101D06	675225	GT102D06	675241	GT103D06	675257	GT104D06	675273
10	GT101D10	675227	GT102D10	675243	GT103D10	675259	GT104D10	675275
13	GT101D13	675228	GT102D13	675244	GT103D13	675260	GT104D13	675276
16	GT101D16	675229	GT102D16	675245	GT103D16	675261	GT104D16	675277
20	GT101D20	675230	GT102D20	675246	GT103D20	675262	GT104D20	675278
25	GT101D25	675231	GT102D25	675247	GT103D25	675263	GT104D25	675279
32	GT101D32	675232	GT102D32	675248	GT103D32	675264	GT104D32	675280
40	GT101D40	675233	GT102D40	675249	GT103D40	675265	GT104D40	675281
50	GT101D50	675234	GT102D50	675250	GT103D50	675266	GT104D50	675282
63	GT101D63	675235	GT102D63	675251	GT103D63	675267	GT104D63	675283

MCB's - Miniature Circuit Breakers

Series GT25 - 100kA

EN/IEC 60947-2	Series GT25			
	1P	2P	3P	4P
60Vdc	25	-	-	-
125Vdc	-	30	-	-
240Vac	100/25/20/15	50/40/30	-	50/40/30
415Vac	-	100/25/20/15	-	100/25/20/15

(1) 0.5-4A / 6-25A / 32-40A / 50-63A

Series GT25

Tripping characteristic B (3-5In)



In (A)	1P		2P		3P		4P	
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.
6	GT251B06	675348	GT252B06	675359	GT253B06	675370	GT254B06	675381
10	GT251B10	675350	GT252B10	675361	GT253B10	675372	GT254B10	675383
16	GT251B16	675352	GT252B16	675363	GT253B16	675374	GT254B16	675385
20	GT251B20	675353	GT252B20	675364	GT253B20	675375	GT254B20	675386
25	GT251B25	675354	GT252B25	675365	GT253B25	675376	GT254B25	675387
32	GT251B32	675355	GT252B32	675366	GT253B32	675377	GT254B32	675388
40	GT251B40	675356	GT252B40	675367	GT253B40	675378	GT254B40	675389
50	GT251B50	675357	GT252B50	675368	GT253B50	675379	GT254B50	675390
63	GT251B63	675358	GT252B63	675369	GT253B63	675380	GT254B63	675391

Tripping characteristic C (5-10In)



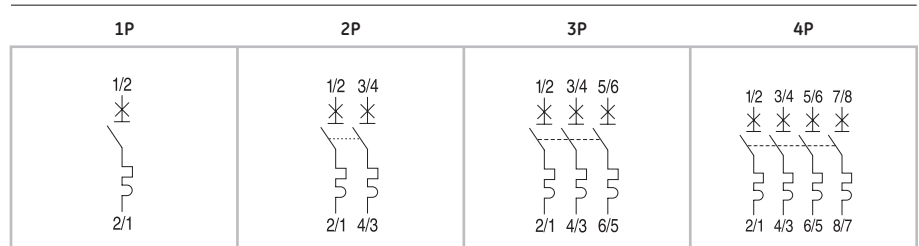
In (A)	1P		2P		3P		4P	
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.
0.5	GT251C0.5	675284	GT252C0.5	675300	GT253C0.5	675316	GT254C0.5	675332
1	GT251C01	675285	GT252C01	675301	GT253C01	675317	GT254C01	675333
2	GT251C02	675286	GT252C02	675302	GT253C02	675318	GT254C02	675334
4	GT251C04	675288	GT252C04	675304	GT253C04	675320	GT254C04	675336
6	GT251C06	675289	GT252C06	675305	GT253C06	675321	GT254C06	675337
10	GT251C10	675291	GT252C10	675307	GT253C10	675323	GT254C10	675339
16	GT251C16	675293	GT252C16	675309	GT253C16	675325	GT254C16	675341
20	GT251C20	675294	GT252C20	675310	GT253C20	675326	GT254C20	675342
25	GT251C25	675295	GT252C25	675311	GT253C25	675327	GT254C25	675343
32	GT251C32	675296	GT252C32	675312	GT253C32	675328	GT254C32	675344
40	GT251C40	675297	GT252C40	675313	GT253C40	675329	GT254C40	675345
50	GT251C50	675298	GT252C50	675314	GT253C50	675330	GT254C50	675346
63	GT251C63	675299	GT252C63	675315	GT253C63	675331	GT254C63	675347

Tripping characteristic D (10-20In)



In (A)	1P		2P		3P		4P	
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.
0.5	GT251D0.5	675392	GT252D0.5	675408	GT253D0.5	675424	GT254D0.5	675440
1	GT251D01	675393	GT252D01	675409	GT253D01	675425	GT254D01	675441
2	GT251D02	675394	GT252D02	675410	GT253D02	675426	GT254D02	675442
4	GT251D04	675396	GT252D04	675412	GT253D04	675428	GT254D04	675444
6	GT251D06	675397	GT252D06	675413	GT253D06	675429	GT254D06	675445
10	GT251D10	675399	GT252D10	675415	GT253D10	675431	GT254D10	675447
16	GT251D16	675401	GT252D16	675417	GT253D16	675433	GT254D16	675449
20	GT251D20	675402	GT252D20	675418	GT253D20	675434	GT254D20	675450
25	GT251D25	675403	GT252D25	675419	GT253D25	675435	GT254D25	675451
32	GT251D32	675404	GT252D32	675420	GT253D32	675436	GT254D32	675452
40	GT251D40	675405	GT252D40	675421	GT253D40	675437	GT254D40	675453
50	GT251D50	675406	GT252D50	675422	GT253D50	675438	GT254D50	675454
63	GT251D63	675407	GT252D63	675423	GT253D63	675439	GT254D63	675455

Connection diagrams



MCB's - Miniature Circuit Breakers

Series EP100UC 10kA

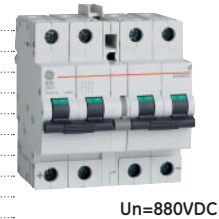
Short-circuit capacity (kA)					
AC/DC acc. to EN/IEC 60898-2 ⁽¹⁾			AC/DC acc. to EN/IEC 60947-2		
Poles	V	Icn=Ics (kA)	Poles	V	Icu (kA)
1	125 DC	10	1	125 DC	20 ⁽²⁾
	250 DC	6	1	220 DC	10 ⁽²⁾
	230/400 AC	6	2	440 DC	10 ⁽²⁾
2	250 DC	10	1	230 AC	6 ⁽³⁾
	500 DC	6	2	400 AC	6 ⁽³⁾
	400 AC	6			
4	880 DC	6			

(1) After a switching of the net with more than 6kA in AC it should not be used in DC
 (2) T = 4ms
 (3) 4.5kA for 50A & 63A

Series EP100UC

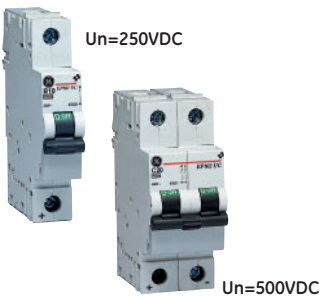
Tripping characteristic B

In (A)	1P		2P		4P	
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.
6	EP101UCB06	673333	EP102UCB06	673342	-	-
10	EP101UCB10	673334	EP102UCB10	673343	EP104UCB10	690200
16	EP101UCB16	673335	EP102UCB16	673344	EP104UCB16	688029
20	EP101UCB20	673336	EP102UCB20	673345	EP104UCB20	688026
25	EP101UCB25	673337	EP102UCB25	673346	EP104UCB25	691580
32	EP101UCB32	673338	EP102UCB32	673347	EP104UCB32	691581
40	EP101UCB40	673339	EP102UCB40	673348	EP104UCB40	688027
50	EP101UCB50	673340	EP102UCB50	673349	-	-
63	EP101UCB63	673341	EP102UCB63	673350	EP104UCB63	688028



Tripping characteristic C

0.5	EP101UCC0.5	673301	EP102UCC0.5	673317		
1	EP101UCC01	673302	EP102UCC01	673318		
2	EP101UCC02	673303	EP102UCC02	673319		
4	EP101UCC04	673305	EP102UCC04	673321		
6	EP101UCC06	673306	EP102UCC06	673322		
10	EP101UCC10	673308	EP102UCC10	673324		
16	EP101UCC16	673310	EP102UCC16	673326		
20	EP101UCC20	673311	EP121UCC20	673327		
25	EP101UCC25	673312	EP102UCC25	673328		
32	EP101UCC32	673313	EP102UCC32	673329		
40	EP101UCC40	673314	EP102UCC40	673330		
50	EP101UCC50	673315	EP102UCC50	673331		
63	EP101UCC63	673316	EP102UCC63	673332		



Series Hti - 10kA

EN/IEC 608947-2	Series Hti			
	1P	2P	3P	4P
230/240Vac	10 ⁽²⁾	-	-	-
230Vac	-	15 ⁽³⁾	15 ⁽³⁾	15 ⁽³⁾
400Vac	-	-	10 ⁽²⁾	10 ⁽²⁾

(1) Only for 3-5 In (B) and 5-10 In (C) • (2) 7.5kA for 10-20 In (D) • (3) 10kA for 10-20 In (D)

Series Hti

Tripping characteristic B (3-5In)

In (A)	1P		2P		3P		4P	
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.
80	Hti101B080	671504	Hti102B080	671510	Hti103B080	671516	Hti104B080	671522
100	Hti101B100	671505	Hti102B100	671511	Hti103B100	671517	Hti104B100	671523
125	Hti101B125	671506	Hti102B125	671512	Hti103B125	671518	Hti104B125	671524



Tripping characteristic C (5-10In)

80	Hti101C080	671528	Hti102C080	671534	Hti103C080	671540	Hti104C080	671546
100	Hti101C100	671529	Hti102C100	671535	Hti103C100	671541	Hti104C100	671547
125	Hti101C125	671530	Hti102C125	671536	Hti103C125	671542	Hti104C125	671548

Tripping characteristic D (10-20In)

80	Hti101D080	671552	Hti102D080	671558	Hti103D080	671564	Hti104D080	671570
100	Hti101D100	671553	Hti102D100	671559	Hti103D100	671565	Hti104D100	671571
125	Hti101D125	671554	Hti102D125	671560	Hti103D125	671566	Hti104D125	671572



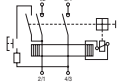
RCCB's - Residual Current Circuit Breakers

Series BP/BD
Type AC - A - Ai - Si

People protection

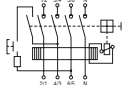
Series BP/BD

Tripping characteristic B (3-5In) Type AC - 2P 



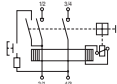
In (A)	10*/30 mA		100 mA		300 mA		500 mA		1000 mA	
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.
16	BPC216/010*	606131	-	-	-	-	-	-	-	-
25	BDC225/030	607125	BPC225/100	606140	BDC225/300	607127	BPC225/500	606153	BPC225/1000	606158
40	BDC240/030	607126	BPC240/100	606141	BDC240/300	607128	BPC240/500	606154	BPC240/1000	606159
63	BPC263/030	606134	BPC263/100	606142	BPC263/300	606150	BPC263/500	606155	BPC263/1000	606160
80	BPC280/030	606135	BPC280/100	606143	BPC280/300	606151	BPC280/500	606156	BPC280/1000	606161
100	BPC2100/030	606136	BPC2100/100	606144	BPC2100/300	606152	BPC2100/500	606157	BPC2100/1000	606162

Type AC - 4P 



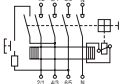
25	BPC425/030	606208	BPC425/100	606216	BPC425/300	606224	BPC425/500	606229	BPC425/1000	606234
40	BPC440/030	606209	BPC440/100	606217	BPC440/300	606225	BPC440/500	606230	BPC440/1000	606235
63	BPC463/030	606210	BPC463/100	606218	BPC463/300	606226	BPC463/500	606231	BPC463/1000	606236
80	BPC480/030	606211	BPC480/100	606219	BPC480/300	606227	BPC480/500	606232	BPC480/1000	606237
100	BPC4100/030	606212	BPC4100/100	606220	BPC4100/300	606228	BPC4100/500	606233	BPC4100/1000	606238

Type A - 2P 



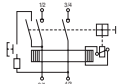
16	BPA216/010*	606085	-	-	-	-	-	-	-	-
25	BPA225/030	606086	BPA225/100	606091	BPA225/300	606101	BPA225/500	606111	BPA225/1000	606121
40	BPA240/030	606087	BPA240/100	606092	BPA240/300	606102	BPA240/500	606112	BPA240/1000	606122
63	BPA263/030	606088	BPA263/100	606093	BPA263/300	606103	BPA263/500	606113	BPA263/1000	606123
80	BPA280/030	606089	BPA280/100	606094	BPA280/300	606104	BPA280/500	606114	BPA280/1000	606124
100	BPA2100/030	606090	BPA2100/100	606095	BPA2100/300	606105	BPA2100/500	606115	BPA2100/1000	606125

Type A - 4P 



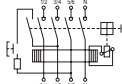
25	BPA425/030	606163	BPA425/100	606168	BPA425/300	606178	BPA425/500	606188	BPA425/1000	606198
40	BPA440/030	606164	BPA440/100	606169	BPA440/300	606179	BPA440/500	606189	BPA440/1000	606199
63	BPA463/030	606165	BPA463/100	606170	BPA463/300	606180	BPA463/500	606190	BPA463/1000	606200
80	BPA480/030	606166	BPA480/100	606171	BPA480/300	606181	BPA480/500	606191	BPA480/1000	606201
100	BPA4100/030	606167	BPA4100/100	606172	BPA4100/300	606182	BPA4100/500	606192	BPA4100/1000	606202

Type S - 2P 



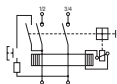
25	-	BPS225/100	606096	BPS225/300	606106	BPS225/500	606116	BPS225/1000	606126
40	-	BPS240/100	606097	BPS240/300	606107	BPS240/500	606117	BPS240/1000	606127
63	-	BPS263/100	606098	BPS263/300	606108	BPS263/500	606118	BPS263/1000	606128
80	-	BPS280/100	606099	BPS280/300	606109	BPS280/500	606119	BPS280/1000	606129
100	-	BPS2100/100	606100	BPS2100/300	606110	BPS2100/500	606120	BPS2100/1000	606130

Type S - 4P 



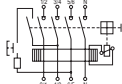
25	-	BPS425/100	606173	BPS425/300	606183	BPS425/500	606193	BPS425/1000	606203
40	-	BPS440/100	606174	BPS440/300	606184	BPS440/500	606194	BPS440/1000	606204
63	-	BPS463/100	606175	BPS463/300	606185	BPS463/500	606195	BPS463/1000	606205
80	-	BPS480/100	606176	BPS480/300	606186	BPS480/500	606196	BPS480/1000	606206
100	-	BPS4100/100	606177	BPS4100/300	606187	BPS4100/500	606197	BPS4100/1000	606207

Type Ai - 2P 



In (A)	30 mA		300 mA		300 mA	
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.
25	BPAi225/030	606331	BPAi225/300	606347	BPSi225/300	606337
40	BPAi240/030	606332	BPAi240/300	606348	BPSi240/300	606338
63	BPAi263/030	606333	BPAi263/300	606349	BPSi263/300	606339
80	-	-	-	-	BPSi280/300	606340
100	-	-	-	-	BPSi2100/300	606341

Type Ai - 4P 



25	BPAi425/030	606334	BPAi425/300	606350	BPSi425/300	606342
40	BPAi440/030	606335	BPAi440/300	606351	BPSi440/300	606343
63	BPAi463/030	606336	BPAi463/300	606352	BPSi463/300	606344
80	-	-	-	-	BPSi480/300	606345
100	-	-	-	-	BPSi4100/300	606346

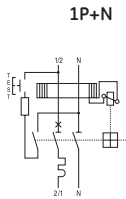


RCBO's - Residual Current Operated Circuit Breakers with integral overcurrent protection

Series DM60 Type AC and A 6000
 Series DMT60 Type AC 3

Series DM60

Type AC - characteristic B

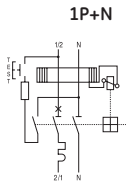


In (A)	10 mA		30 mA		100 mA		300 mA	
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.
6	DM60B06/010	609802	DM60B06/030	609807	DM60B06/100	609815	DM60B06/300	609823
10	DM60B10/010	609803	DM60B10/030	609808	DM60B10/100	609816	DM60B10/300	609824
13	DM60B13/010	609804	DM60B13/030	609809	DM60B13/100	609817	DM60B13/300	609825
16	DM60B16/010	609805	DM60B16/030	609810	DM60B16/100	609818	DM60B16/300	609826
20	DM60B20/010	609806	DM60B20/030	609811	DM60B20/100	609819	DM60B20/300	609827
25	-	-	DM60B25/030	609812	DM60B25/100	609820	DM60B25/300	609828
32	-	-	DM60B32/030	609813	DM60B32/100	609821	DM60B32/300	609829
40	-	-	DM60B40/030	609814	DM60B40/100	609822	DM60B40/300	609830

Type AC - characteristic C

In (A)	10 mA		30 mA		100 mA		300 mA	
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.
4	DM60C04/010	609831	DM60C04/030	609837	DM60C04/100	609846	DM60C04/300	609855
6	DM60C06/010	609832	DM60C06/030	609838	DM60C06/100	609847	DM60C06/300	609856
10	DM60C10/010	609833	DM60C10/030	609839	DM60C10/100	609848	DM60C10/300	609857
13	DM60C13/010	609834	DM60C13/030	609840	DM60C13/100	609849	DM60C13/300	609858
16	DM60C16/010	609835	DM60C16/030	609841	DM60C16/100	609850	DM60C16/300	609859
20	DM60C20/010	609836	DM60C20/030	609842	DM60C20/100	609851	DM60C20/300	609860
25	-	-	DM60C25/030	609843	DM60C25/100	609852	DM60C25/300	609861
32	-	-	DM60C32/030	609844	DM60C32/100	609853	DM60C32/300	609862
40	-	-	DM60C40/030	609845	DM60C40/100	609854	DM60C40/300	609863

Type A - characteristic B



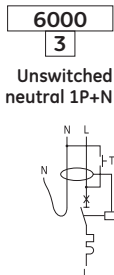
In (A)	10 mA		30 mA		100 mA		300 mA	
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.
6	DMA60B06/010	609740	DMA60B06/030	609745	DMA60B06/100	609753	DMA60B06/300	609761
10	DMA60B10/010	609741	DMA60B10/030	609746	DMA60B10/100	609754	DMA60B10/300	609762
13	DMA60B13/010	609742	DMA60B13/030	609747	DMA60B13/100	609755	DMA60B13/300	609763
16	DMA60B16/010	609743	DMA60B16/030	609748	DMA60B16/100	609756	DMA60B16/300	609764
20	DMA60B20/010	609744	DMA60B20/030	609749	DMA60B20/100	609757	DMA60B20/300	609765
25	-	-	DMA60B25/030	609750	DMA60B25/100	609758	DMA60B25/300	609766
32	-	-	DMA60B32/030	609751	DMA60B32/100	609759	DMA60B32/300	609767
40	-	-	DMA60B40/030	609752	DMA60B40/100	609760	DMA60B40/300	609768

Type A - characteristic C

In (A)	10 mA		30 mA		100 mA		300 mA	
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.
4	DMA60C04/010	609769	DMA60C04/030	609775	DMA60C04/100	609784	DMA60C04/300	609793
6	DMA60C06/010	609770	DMA60C06/030	609776	DMA60C06/100	609785	DMA60C06/300	609794
10	DMA60C10/010	609771	DMA60C10/030	609777	DMA60C10/100	609786	DMA60C10/300	609795
13	DMA60C13/010	609772	DMA60C13/030	609778	DMA60C13/100	609787	DMA60C13/300	609796
16	DMA60C16/010	609773	DMA60C16/030	609779	DMA60C16/100	609788	DMA60C16/300	609797
20	DMA60C20/010	609774	DMA60C20/030	609780	DMA60C20/100	609789	DMA60C20/300	609798
25	-	-	DMA60C25/030	609781	DMA60C25/100	609790	DMA60C25/300	609799
32	-	-	DMA60C32/030	609782	DMA60C32/100	609791	DMA60C32/300	609800
40	-	-	DMA60C40/030	609783	DMA60C40/100	609792	DMA60C40/300	609801

Series DMT60

Type AC - characteristic C



In (A)	30 mA	
	Cat. No.	Ref. No.
4	DMT60C04/030	609280
6	DMT60C06/030	609281
10	DMT60C10/030	609282
13	DMT60C13/030	609283
16	DMT60C16/030	609284
20	DMT60C20/030	609285
25	DMT60C25/030	609286
32	DMT60C32/030	609287
40	DMT60C40/030	609288

People protection

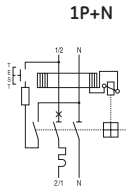


RCBO's - Residual Current Operated Circuit Breakers with integral overcurrent protection

Series DM100 Type AC and A 10000
 Series DMT100 Type AC 3

People protection

Series DM100

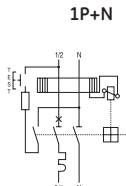


Type AC - characteristic B

In (A)	10 mA		30 mA		100 mA		300 mA	
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.
6	DM100B06/010	609926	DM100B06/030	609931	DM100B06/100	609939	DM100B06/300	609947
10	DM100B10/010	609927	DM100B10/030	609932	DM100B10/100	609940	DM100B10/300	609948
13	DM100B13/010	609928	DM100B13/030	609933	DM100B13/100	609941	DM100B13/300	609949
16	DM100B16/010	609929	DM100B16/030	609934	DM100B16/100	609942	DM100B16/300	609950
20	DM100B20/010	609930	DM100B20/030	609935	DM100B20/100	609943	DM100B20/300	609951
25	-	-	DM100B25/030	609936	DM100B25/100	609944	DM100B25/300	609952
32	-	-	DM100B32/030	609937	DM100B32/100	609945	DM100B32/300	609953
40	-	-	DM100B40/030	609938	DM100B40/100	609946	DM100B40/300	609954

Type AC - characteristic C

4	DM100C04/010	609955	DM100C04/030	609961	DM100C04/100	609970	DM100C04/300	609979
6	DM100C06/010	609956	DM100C06/030	609962	DM100C06/100	609971	DM100C06/300	609980
10	DM100C10/010	609957	DM100C10/030	609963	DM100C10/100	609972	DM100C10/300	609981
13	DM100C13/010	609958	DM100C13/030	609964	DM100C13/100	609973	DM100C13/300	609982
16	DM100C16/010	609959	DM100C16/030	609965	DM100C16/100	609974	DM100C16/300	609983
20	DM100C20/010	609960	DM100C20/030	609966	DM100C20/100	609975	DM100C20/300	609984
25	-	-	DM100C25/030	609967	DM100C25/100	609976	DM100C25/300	609985
32	-	-	DM100C32/030	609968	DM100C32/100	609977	DM100C32/300	609986
40	-	-	DM100C40/030	609969	DM100C40/100	609978	DM100C40/300	609987



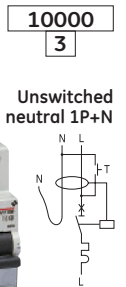
Type A - characteristic B

6	DMA100B06/010	609864	DMA100B06/030	609869	DMA100B06/100	609877	DMA100B06/300	609885
10	DMA100B10/010	609865	DMA100B10/030	609870	DMA100B10/100	609878	DMA100B10/300	609886
13	DMA100B13/010	609866	DMA100B13/030	609871	DMA100B13/100	609879	DMA100B13/300	609887
16	DMA100B16/010	609867	DMA100B16/030	609872	DMA100B16/100	609880	DMA100B16/300	609888
20	DMA100B20/010	609868	DMA100B20/030	609873	DMA100B20/100	609881	DMA100B20/300	609889
25	-	-	DMA100B25/030	609874	DMA100B25/100	609882	DMA100B25/300	609890
32	-	-	DMA100B32/030	609875	DMA100B32/100	609883	DMA100B32/300	609891
40	-	-	DMA100B40/030	609876	DMA100B40/100	609884	DMA100B40/300	609892

Type A - characteristic C

4	DMA100C04/010	609893	DMA100C04/030	609899	DMA100C04/100	609908	DMA100C04/300	609917
6	DMA100C06/010	609894	DMA100C06/030	609900	DMA100C06/100	609909	DMA100C06/300	609918
10	DMA100C10/010	609895	DMA100C10/030	609901	DMA100C10/100	609910	DMA100C10/300	609919
13	DMA100C13/010	609896	DMA100C13/030	609902	DMA100C13/100	609911	DMA100C13/300	609920
16	DMA100C16/010	609897	DMA100C16/030	609903	DMA100C16/100	609912	DMA100C16/300	609921
20	DMA100C20/010	609898	DMA100C20/030	609904	DMA100C20/100	609913	DMA100C20/300	609922
25	-	-	DMA100C25/030	609905	DMA100C25/100	609914	DMA100C25/300	609923
32	-	-	DMA100C32/030	609906	DMA100C32/100	609915	DMA100C32/300	609924
40	-	-	DMA100C40/030	609907	DMA100C40/100	609916	DMA100C40/300	609925

Series DMT100



Type AC - characteristic C

In (A)	NEUTRAL BLUE 30 mA		NEUTRAL BLACK
	Cat. No.	Ref. No.	Ref. No.
4	DMT100C04/030	609289	-
6	DMT100C06/030	609290	-
10	DMT100C10/030	609291	607268
13	DMT100C13/030	609292	607413
16	DMT100C16/030	609293	607269
20	DMT100C20/030	609294	607270
25	DMT100C25/030	609295	607271
32	DMT100C32/030	609296	607272
40	DMT100C40/030	609297	607273

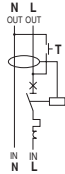
E-RCBO's (Compact) Electronic Residual Current Circuit Breaker with Overcurrent Protection

Series DMCE60/DICE60/DICE61 Type AC Series DMCE60/DICE60/DICE61 Type A

Series DMCE60 - Type AC - Domestic Applications



Unswitched neutral
1P+N

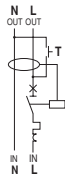


In (A)	B		C		
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Pack.
6	DMCE60B06/030	694014	DMCE60C06/030	694000	1
10	DMCE60B10/030	694015	DMCE60C10/030	694001	1
16	DMCE60B16/030	694016	DMCE60C16/030	694002	1
20	DMCE60B20/030	694017	DMCE60C20/030	694003	1
25	DMCE60B25/030	694018	DMCE60C25/030	694004	1
32	DMCE60B32/030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

Series DMCEA60 - Type A - Domestic Applications



Unswitched neutral
1P+N



In (A)	B		C		
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Pack.
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

Series DICE60 - DICE61 - Type AC - Industrial Applications



Unswitched neutral
1P+N

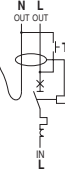


In (A)	B		C		
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Pack.
NEUTRAL BLACK					
6	DICE60B06/030	694042	DICE60C06/030	694028	1
10	DICE60B10/030	694043	DICE60C10/030	694029	1
16	DICE60B16/030	694044	DICE60C16/030	694030	1
20	DICE60B20/030	694045	DICE60C20/030	694031	1
25	DICE60B25/030	694046	DICE60C25/030	694032	1
32	DICE60B32/030	694047	DICE60C32/030	694033	1
NEUTRAL BLUE					
6	DICE61B06/030	694209	DICE61C06/030	694197	1
10	DICE61B10/030	694210	DICE61C10/030	694198	1
16	DICE61B16/030	694211	DICE61C16/030	694199	1
20	DICE61B20/030	694212	DICE61C20/030	694200	1
25	DICE61B25/030	694213	DICE61C25/030	694201	1
32	DICE61B32/030	694214	DICE61C32/030	694202	1

Series DICEA60 - DICEA60 - Type A - Industrial Applications



Unswitched neutral
1P+N

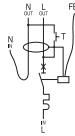


In (A)	B		C		
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Pack.
NEUTRAL BLACK					
6	DICEA60B06/030	694049	DICEA60C06/030	694035	1
10	DICEA60B10/030	694050	DICEA60C10/030	694036	1
16	DICEA60B16/030	694051	DICEA60C16/030	694037	1
20	DICEA60B20/030	694052	DICEA60C20/030	694038	1
25	DICEA60B25/030	694053	DICEA60C25/030	694039	1
32	DICEA60B32/030	694054	DICEA60C32/030	694040	1
NEUTRAL BLUE					
6	DICEA61B06/030	694215	DICEA61C06/030	694203	1
10	DICEA61B10/030	694216	DICEA61C10/030	694204	1
16	DICEA61B16/030	694217	DICEA61C16/030	694205	1
20	DICEA61B20/030	694218	DICEA61C20/030	694206	1
25	DICEA61B25/030	694219	DICEA61C25/030	694207	1
32	DICEA61B32/030	694220	DICEA61C32/030	694208	1

ERCBOs - Electronic Residual Current Circuit Breaker with Overcurrent Protection - NEUTRAL BLUE

Series DME60/DME100 - Type AC - Type A

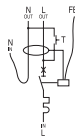
Series DME60



Type AC - characteristic C

In (A)	30 mA		100 mA	
	Cat. No.	Ref. No.	Cat. No.	Ref. No.
6	DME60C06/030	605060	DME60C06/100	605067
10	DME60C10/030	605061	DME60C10/100	605068
16	DME60C16/030	605062	DME60C16/100	605069
20	DME60C20/030	605063	DME60C20/100	605070
25	DME60C25/030	605064	DME60C25/100	605071
32	DME60C32/030	605065	DME60C32/100	605072
40	DME60C40/030	605066	DME60C40/100	605073

Series DME100



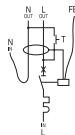
Type AC - characteristic B

In (A)	10 mA		30 mA		100 mA	
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.
6	DME100B06/010	605030	DME100B06/030	605037	DME100B06/100	605260
10	DME100B10/010	605031	DME100B10/030	605038	DME100B10/100	605261
16	DME100B16/010	605032	DME100B16/030	605039	DME100B16/100	605262
20	DME100B20/010	605033	DME100B20/030	605040	DME100B20/100	605263
25	DME100B25/010	605034	DME100B25/030	605041	DME100B25/100	605264
32	DME100B32/010	605035	DME100B32/030	605042	DME100B32/100	605265
40	DME100B40/010	605036	DME100B40/030	605043	DME100B40/100	605266

Type AC - characteristic C

In (A)	10 mA		30 mA		100 mA	
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.
6	DME100C06/010	605044	DME100C06/030	605051	DME100C06/100	605240
10	DME100C10/010	605045	DME100C10/030	605052	DME100C10/100	605241
16	DME100C16/010	605046	DME100C16/030	605053	DME100C16/100	605242
20	DME100C20/010	605047	DME100C20/030	605054	DME100C20/100	605243
25	DME100C25/010	605048	DME100C25/030	605055	DME100C25/100	605244
32	DME100C32/010	605049	DME100C32/030	605056	DME100C32/100	605245
40	DME100C40/010	605050	DME100C40/030	605057	DME100C40/100	605246

Series DMEA100



Type A - characteristic B

In (A)	10 mA		30 mA	
	Cat. No.	Ref. No.	Cat. No.	Ref. No.
6	DME100B06/010	605150	DME100B06/030	605157
10	DME100B10/010	605151	DME100B10/030	605158
16	DME100B16/010	605152	DME100B16/030	605159
20	DME100B20/010	605153	DME100B20/030	605160
25	DME100B25/010	605154	DME100B25/030	605161
32	DME100B32/010	605155	DME100B32/030	605162
40	DME100B40/010	605156	DME100B40/030	605163

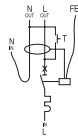
Type A - characteristic C

In (A)	10 mA		30 mA	
	Cat. No.	Ref. No.	Cat. No.	Ref. No.
6	DME100C06/010	605164	DME100C06/030	605171
10	DME100C10/010	605165	DME100C10/030	605172
16	DME100C16/010	605166	DME100C16/030	605173
20	DME100C20/010	605167	DME100C20/030	605174
25	DME100C25/010	605168	DME100C25/030	605175
32	DME100C32/010	605169	DME100C32/030	605176
40	DME100C40/010	605170	DME100C40/030	605177

ERCBOs - Electronic Residual Current Circuit Breaker with Overcurrent Protection - NEUTRAL BLACK

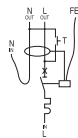
Series DMET60/DMET100 - Type AC - Type A

Series DMET60



Type AC - characteristic C

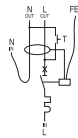
In (A)	30 mA	
	Cat. No.	Ref. No.
10	DMET60C10/030	607427
16	DMET60C16/030	607428
20	DMET60C20/030	607429
25	DMET60C25/030	607430
32	DMET60C32/030	607431



Type A - characteristic C

In (A)	30 mA	
	Cat. No.	Ref. No.
10	DMEAT60C10/100	608135
16	DMEAT60C16/100	608136
20	DMEAT60C20/100	608137
25	DMEAT60C25/100	608138
32	DMEAT60C32/100	608139

Series DMET100



Type AC - characteristic C

In (A)	10 mA		30 mA		100 mA		300 mA	
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.
6	DMET100C06/010	606567	DMET100C06/030	606574	DMET100C06/100	606560	DMET100C06/300	606588
10	DMET100C10/010	606568	DMET100C10/030	606575	DMET100C10/100	606561	DMET100C10/300	606589
16	DMET100C16/010	606569	DMET100C16/030	606576	DMET100C16/100	606562	DMET100C16/300	606590
20	DMET100C20/010	606570	DMET100C20/030	606577	DMET100C20/100	606563	DMET100C20/300	606591
25	DMET100C25/010	606571	DMET100C25/030	606578	DMET100C25/100	606564	DMET100C25/300	606592
32	DMET100C32/010	606572	DMET100C32/030	606579	DMET100C32/100	606565	DMET100C32/300	606593
40	DMET100C40/010	606573	DMET100C40/030	606580	DMET100C40/100	606566	DMET100C40/300	606581

Type A - characteristic C

In (A)	30 mA	
	Cat. No.	Ref. No.
10	DMEAT100C10/30	607285
16	DMEAT100C16/30	607286
20	DMEAT100C20/30	607287
25	DMEAT100C25/30	607288
32	DMEAT100C32/30	607289

Add-on devices



Common add-on devices suitable for all MCB's, RCD's and Modular Switches

Add-on devices

	Description	Voltage	Modules	Function	Cat. No.	Ref. No.
Auxiliary contact CA						
 Series G Series BP Series DM Diff-o-Click Aster	Auxiliary Contact H For monitoring the status of the protection device (Open/Close) independently if it has been actuated manually or automatically.		0.5	H	CA H	672567
	Signal or Auxiliary Contact S/H For signalling the automatic tripping of the protection devices: - overload or short-circuit for MCB's - earth leakage tripping for RCD's		0.5	S/H	CA S/H	672568
			0.5	S/H	CA S/H G* *golden contact	672569
Auxiliary contact CB						
	Signal or Auxiliary Contact S/H + Auxiliary Contact H Two change-over contacts that include both functions as described above (S/H+H)		0.5	SH/HH	CB SH/HH-R	672570
			0.5	SH/HH	CB SH/HH-L	672571
Series CA UN - Unibis™ Interface						
 H S	Auxiliary Contact CA UN H For monitoring the status of the protection device (Open/Close) independently if it has been actuated manually or automatically.		0.5	H	CA UN H	672972
			0.5	S/H	CA UN S/H	672973
			0.5	S/H	CA UN S/H G* *golden contact	672974
Signal or Auxiliary Contact CA UN S/H For signalling the automatic tripping of the protection devices: - overload or short-circuit for MCB's - earth leakage tripping for RCD's						
Shunt trip Tele L						
	Shunt Trip (Distance tripping by emission) For opening the device when it is fed locally or remotely	AC 24-60V - DC 24-48V	1	TU	TELE L-1	672573
		AC110-415V - DC110-125V	1	TU	TELE L-2	672574
Undervoltage release Tele U						
	Undervoltage Release For opening the device when the voltage goes lower than a certain value	AC 240V	1	TU	TELE U-230	672575
		AC/DC 12V	1	TU	TELE U-12	672576
		AC/DC 24V	1	TU	TELE U-24	672577
		AC/DC 48V	1	TU	TELE U-48	672578
Panel board switch PBS						
	Panel Board Switch For opening the main device when the panel frame is removed		0.5	PBS	PBS	672572
Motor operator Tele MP						
	Motor Operator Allows to switch on/off the devices from a distance	AC 230V	3	TM	Tele MP	672580
Auxiliary contacts						
Series Hti	Auxiliary contact Signal contact S + test + reset		0.5	H	Hti H	671597
	Changeable auxiliary/signal contact		0.5	S	Hti S	671598
	Auxiliary contact and changeable auxiliary/signal contact		0.5	H/S	Hti H/S	671599
	Auxiliary contact and signal contact H + S + test + reset		0.5	H+H/S	Hti HH/HS	671600
			0.5	H+S	Hti HSR	671602
Shunt trip Tele L						
 Series Hti	Shunt Trip (Distance tripping by emission) For opening the device when it is fed locally or remotely	AC 110-415V DC 110-125V	1	TL	TELE U-230 TELE U-12	624945
		AC24-60V DC24-48V	1	TL	TELE U-24 TELE U-48	624946

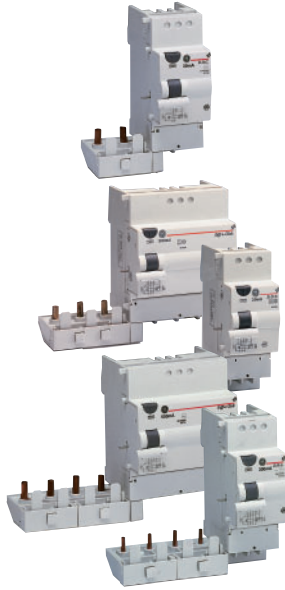


Add-on Residual Current Devices for MCB's Series G

Diff-o-Click Type AC - A - S

Short-circuit capacity - Depends on the associated MCB		MCB			
Acc to EN/IEC 61009		G30	G45	G60	G100
		I _{cn}			
Residual making and breaking capacity	I _{Δm} (A)	3000	4500	6000	7500
Short-circuit capacity	I _{cn} (A)	3000	4500	6000	10000

Series Diff-o-Click



Type AC

In (A)	30 mA		100 mA		300 mA		500 mA		1000 mA		
	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.	
2P											
2 mod.	32	DOC 232/030	607536	DOC 332/100	607537	DOC 232/300	607538	DOC 232/500	607539	DOC 232/1000	607540
2 mod.	63	DOC 263/030	607542	DOC 263/100	607543	DOC 263/300	607544	DOC 263/500	607545	DOC 263/1000	607546
3P											
2 mod.	32	DOC 332/030	607620	DOC 332/100	607621	DOC 332/300	607622	DOC 332/500	607623	DOC 332/1000	607624
4 mod.	63	DOC 363/030	607626	DOC 363/100	607627	DOC 363/300	607628	DOC 363/500	607629	DOC 363/1000	607630
4P											
2 mod.	32	DOC 532/030	607722	DOC 532/100	607723	DOC 532/300	607724	DOC 532/500	607725	DOC 532/1000	607726
4 mod.	32	DOC 432/030	607728	DOC 432/100	607729	DOC 432/300	607730	DOC 432/500	607731	DOC 432/1000	607732
4 mod.	63	DOC 463/030	607734	DOC 463/100	607735	DOC 463/300	607736	DOC 463/500	607737	DOC 463/1000	607738

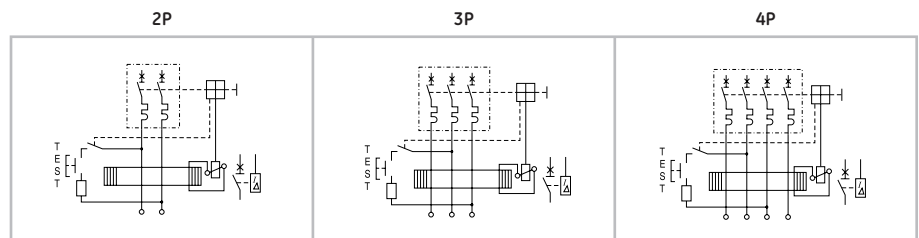
Type A

2P											
2 mod.	32	DOCA 232/030	607500	DOCA 232/100	607501	DOCA 232/300	607502	DOCA 232/500	607503	DOCA 232/1000	607504
4 mod.	63	DOCA 263/030	607506	DOCA 263/100	607507	DOCA 263/300	607508	DOCA 263/500	607509	DOCA 263/1000	607510
3P											
2 mod.	32	DOCA 332/030	607584	DOCA 332/100	607585	DOCA 332/300	607586	DOCA 332/500	607587	DOCA 332/1000	607588
2 mod.	63	DOCA 363/030	607590	DOCA 363/100	607591	DOCA 363/300	607592	DOCA 363/500	607593	DOCA 263/1000	607594
4P											
2 mod.	32	DOCA 532/030	607668	DOCA 532/100	607670	DOCA 532/300	607669	DOCA 532/500	607671	DOCA 532/1000	607672
4 mod.	32	DOCA 432/030	607674	DOCA 432/100	607675	DOCA 432/300	607676	DOCA 432/500	607677	DOCA 432/1000	607678
4 mod.	63	DOCA 463/030	607680	DOCA 463/100	607681	DOCA 463/300	607682	DOCA 463/500	607683	DOCA 463/1000	607684

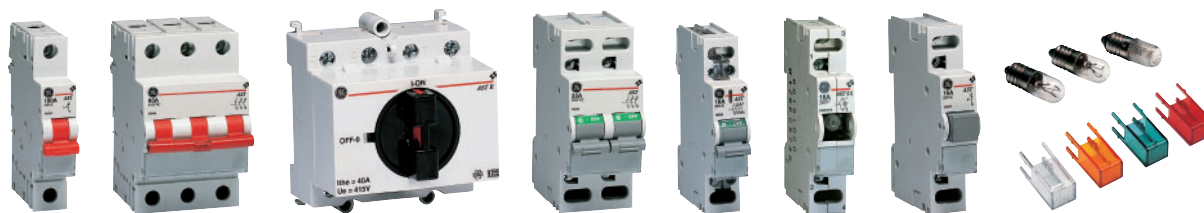
Type S

2P											
2 mod.	32		DOCS 232/100	607513	DOCS 232/300	607514	DOCS 232/500	607515	DOCS 232/1000	607516	
2 mod.	63		DOCS 263/100	607519	DOCS 263/300	607520	DOCS 263/500	607521	DOCS 263/1000	607522	
3P											
2 mod.	32		DOCS 332/100	607597	DOCS 332/300	607598	DOCS 332/500	607599	DOCS 332/1000	607600	
4 mod.	63		DOCS 363/100	607603	DOCS 363/300	607604	DOCS 363/500	607605	DOCS 363/1000	607606	
4P											
2 mod.	32		DOCS 532/100	607687	DOCS 532/300	607688	DOCS 532/500	607689	DOCS 532/1000	607690	
4 mod.	32		DOCS 432/100	607693	DOCS 432/300	607694	DOCS 432/500	607695	DOCS 432/1000	607696	
4 mod.	63		DOCS 463/100	607699	DOCS 463/300	607700	DOCS 463/500	607701	DOCS 463/1000	607702	

Connection diagrams



Energy management



ASTER - Switches & push-buttons

Mains disconnect switches

Nominal current	Contact combination	Modules	Ref. No.	Pack
40A/240V	1NO	1	666614	12
40A/415V	2NO	2	666615	6
40A/415V	3NO	3	666616	4
40A/415V	4NO	4	666617	3
63A/240V	1NO	1	666562	12
63A/415V	2NO	2	666563	6
63A/415V	3NO	3	666564	4
63A/415V	4NO	4	666565	3
80A/240V	1NO	1	666566	12
80A/415V	2NO	2	666567	6
80A/415V	3NO	3	666568	4
80A/415V	4NO	4	666569	3
100A/240V	1NO	1	666558	12
100A/415V	2NO	2	666559	6
100A/415V	3NO	3	666560	4
100A/415V	4NO	4	666561	3

Rotary switches

32A/415V	2NO	4	666574	1
32A/415V	3NO	4	666575	1
32A/415V	3NO+NC	4	666576	1
32A/415V	4NO	4	666577	1
40A/415V	2NO	4	666578	1
40A/415V	3NO	4	666579	1
40A/415V	3NO+NC	4	666580	1
40A/415V	4NO	4	666581	1
63A/415V	2NO	4	666582	1
63A/415V	3NO	4	666583	1
63A/415V	3NO+NC	4	666584	1
63A/415V	4NO	4	666585	1

Extension shaft for rotary switches

238 mm with emergency handle	666555	1
238 mm with standard handle	666556	1

Sealing piece for rotary switches

	4	666557	1
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Changeover switches

16A/240V	1NO	1	666587	12
16A/415V	2NO	1	666589	12
16A/415V	3NO	1	666590	12
16A/415V	4NO	1	666593	12
16A/415V	3NO	2	666591	6
16A/415V	4NO	2	666592	6
16A/240V	1CO	1	666586	12
16A/240V	2CO	1	666588	12
32A/240V	1NO	1	666595	12
32A/415V	2NO	1	666597	12
32A/415V	3NO	1	666599	12
32A/415V	4NO	1	666600	12
32A/415V	3NO	2	666598	6
32A/415V	4NO	2	666601	6
32A/240V	1CO	1	666594	12
32A/240V	2CO	1	666596	12

ASTER - Switches & push-buttons

Switches with lamp

Nominal current	Contact combination	Modules	Ref. No.	Pack
16A/240V	1NO	1	666602	12
16A/240V	2NO	1	666603	12
32A/240V	1NO	1	666604	12
32A/240V	2NO	1	666605	12

Changeover switches with zero position

16A/240V	1CO	1	666606	12
16A/240V	2CO	1	666607	12
32A/240V	1CO	1	666608	12
32A/240V	2CO	1	666609	12

Push-buttons

16A/240V	1NC	1	666570	12
16A/240V	1NO	1	666571	12
16A/240V	1NO 1NC	1	666572	12

Push-buttons with signal lamp

16A/240V	1NO	666573	12
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ASTER - Indication lamps

Lampholder

Nominal operating voltage	Colour	Modules	Ref. No.	Pack
-	-	1	666347	12

Lamp & LED E10

12V	Lamp	-	666340	12
24V	Lamp	-	666342	12
230V	Lamp	-	666341	12
235V ~/=	LED Green	-	666876	10
235V ~/=	LED Amber	-	666874	10
235V ~/=	LED Red	-	666877	10
235V ~/=	LED Blue	-	666875	10
235V ~/=	LED White	-	666878	10

Lens

-	Transparent	-	666343	12
-	Green	-	666344	12
-	Orange	-	666345	12
-	Red	-	666346	12

MSC - Socket-outlets

Edged with child protection

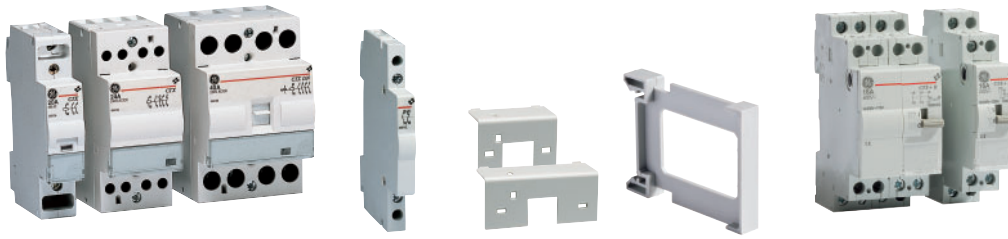
Nominal current	Nominal voltage	Modules	Ref. No.	Pack
16A	250V	2.5	666501	4
16A	250V	2.5	666499	4

Pin with child protection

16A	250V	2.5	666502	4
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Energy management



CONTAX - Contactors

Contactors

Nominal current	Contact comb.	Coil voltage	AC/DC	Mod.	Ref. No.	Pack
20A	1NO 1NC	24V	AC	1	666127	12
20A	1NO 1NC	230V	AC	1	666126	12
20A	2NC	24V	AC	1	666129	12
20A	2NC	230V	AC	1	666128	12
20A	2NO	12V	AC	1	666130	12
20A	2NO	24V	AC	1	666133	12
20A	2NO	48V	AC	1	666134	12
20A	2NO	230V	AC	1	666131	12
20A	2NO	240V	AC	1	666132	12
24A	2NO 2NC	24V	AC/DC	2	666136	5
24A	2NO 2NC	230V	AC/DC	2	666135	5
24A	3NO	24V	AC/DC	2	666138	5
24A	3NO	230V	AC/DC	2	666137	5
24A	4NC	24V	AC/DC	2	666140	5
24A	4NC	230V	AC/DC	2	666139	5
24A	4NO	12V	AC/DC	2	666141	5
24A	4NO	24V	AC/DC	2	666144	5
24A	4NO	48V	AC/DC	2	666145	5
24A	4NO	230V	AC/DC	2	666142	5
24A	4NO	240V	AC/DC	2	666143	5
40A	2NC	230V	AC/DC	3	666170	3
40A	2NO	230V	AC/DC	3	666146	3
40A	3NO	24V	AC/DC	3	666149	3
40A	3NO	230V	AC/DC	3	666148	3
40A	4NO	12V	AC/DC	3	666150	3
40A	4NO	24V	AC/DC	3	666153	3
40A	4NO	48V	AC/DC	3	666154	3
40A	4NO	230V	AC/DC	3	666151	3
40A	2NO	24V	AC/DC	3	666147	3
40A	4NO	240V	AC/DC	3	666152	3
63A	4NO	24V	AC/DC	3	666158	3
63A	4NO	230V	AC/DC	3	666156	3
63A	2NO	230V	AC/DC	3	666155	3
63A	4NO	240V	AC/DC	3	666157	3

Contactor Day and Night

20A	2NO	230V	AC	1	666164	12
24A	3NO	230V	AC/DC	2	666165	5
24A	4NO	230V	AC/DC	2	666166	5
40A	2NO	230V	AC/DC	3	666167	3
40A	3NO	230V	AC/DC	3	666168	3
40A	4NO	230V	AC/DC	3	666169	3

Add-on auxiliary contact for 24-40-63A contactors - left mounting

6A	1NO 1NC	-	-	0.5	666162	5
6A	2NO	-	-	0.5	666163	5

Accessories

Sealing piece				2	666160	3
				2	666159	3
Spacer				0.5	686069	50

CONTAX R - Relays

Relays

Nominal current	Contact comb.	Coil voltage AC	Coil voltage DC	Mod.	Ref. No.	Pack
16A	1 NO	8	-	1	686007	12
16A	1 NO	12	6	1	686008	12
16A	1 NO	24	12	1	686009	12
16A	1 NO	48	24	1	686010	12
16A	1 NO	115	48	1	686011	12
16A	1 NO	230	115	1	686013	12
16A	1 NO	230/60Hz	-	1	686012	12
16A	1 NO	240	120	1	686014	12
16A	1 CO	8	-	1	686000	12
16A	1 CO	12	6	1	686001	12
16A	1 CO	24	12	1	686002	12
16A	1 CO	48	24	1	686003	12
16A	1 CO	115	48	1	686004	12
16A	1 CO	230	115	1	686005	12
16A	1 CO	240	120	1	686006	12
16A	2 NO	8	-	1	686036	12
16A	2 NO	12	6	1	686037	12
16A	2 NO	24	12	1	686038	12
16A	2 NO	48	24	1	686039	12
16A	2 NO	115	48	1	686040	12
16A	2 NO	230	115	1	686042	12
16A	2 NO	230/60Hz	-	1	686041	12
16A	2 NO	240	120	1	686043	12
16A	1 NO 1 NC	8	-	1	686015	12
16A	1 NO 1 NC	12	6	1	686016	12
16A	1 NO 1 NC	24	12	1	686017	12
16A	1 NO 1 NC	48	24	1	686018	12
16A	1 NO 1 NC	115	48	1	686019	12
16A	1 NO 1 NC	230	115	1	686021	12
16A	1 NO 1 NC	230/60Hz	-	1	686020	12
16A	1 NO 1 NC	240	120	1	686022	12
16A	2 CO	8	-	1	686023	12
16A	2 CO	12	6	1	686024	12
16A	2 CO	24	12	1	686026	12
16A	2 CO	48	24	1	686028	12
16A	2 CO	115	48	1	686030	12
16A	2 CO	230	115	1	686032	12
16A	2 CO	240	120	1	686034	12
16A	3 NO	12	6	2	686050	6
16A	3 NO	24	12	2	686051	6
16A	3 NO	48	24	2	686052	6
16A	3 NO	230	115	2	686053	6
16A	4 NO	8	-	2	686025	6
16A	4 NO	12	6	2	686060	6
16A	4 NO	24	12	2	686061	6
16A	4 NO	48	24	2	686062	6
16A	4 NO	230	115	2	686064	6
16A	4 NO	230/60Hz	-	2	686063	6
16A	4 NO	240	120	2	686065	6
16A	4 CO	12	6	2	686054	6
16A	4 CO	24	12	2	686055	6
16A	4 CO	48	24	2	686056	6
16A	4 CO	115	48	2	686057	6
16A	4 CO	230	115	2	686058	6
16A	4 CO	240	120	2	686059	6
16A	2 NO 2 NC	8	-	2	686027	6
16A	2 NO 2 NC	12	6	2	686044	6
16A	2 NO 2 NC	24	12	2	686045	6
16A	2 NO 2 NC	48	24	2	686046	6
16A	2 NO 2 NC	230	115	2	686048	6
16A	2 NO 2 NC	230/60Hz	-	2	686047	6
16A	2 NO 2 NC	240	120	2	686049	6

Energy management



Pulsar S - Impulse switches

Impulse switches

Nominal current	Contact comb.	Coil voltage AC	Coil voltage DC	Mod.	Ref. No.	Pack
16A	1NO	8	-	1	686078	12
16A	1NO	12	6	1	686079	12
16A	1NO	24	12	1	686080	12
16A	1NO	48	24	1	686081	12
16A	1NO	115	48	1	686082	12
16A	1NO	230	115	1	686083	12
16A	1NO	230/60Hz	-	1	686284	12
16A	1NO	240	120	1	686084	12
16A	1CO	8	-	1	686071	12
16A	1CO	12	6	1	686072	12
16A	1CO	24	12	1	686073	12
16A	1CO	48	24	1	686074	12
16A	1CO	115	48	1	686075	12
16A	1CO	230	115	1	686076	12
16A	1CO	240	120	1	686077	12
16A	2NO	8	-	1	686102	12
16A	2NO	12	6	1	686103	12
16A	2NO	24	12	1	686104	12
16A	2NO	48	24	1	686105	12
16A	2NO	115	48	1	686106	12
16A	2NO	230	115	1	686108	12
16A	2NO	230/60Hz	-	1	686107	12
16A	2NO	240	120	1	686109	12
16A	1NO 1NC	8	-	1	686086	12
16A	1NO 1NC	12	6	1	686087	12
16A	1NO 1NC	24	12	1	686088	12
16A	1NO 1NC	48	24	1	686089	12
16A	1NO 1NC	115	48	1	686090	12
16A	1NO 1NC	230	115	1	686091	12
16A	1NO 1NC	230/60Hz	-	1	686285	12
16A	1NO 1NC	240	120	1	686092	12
16A	2 CO	8	-	1	686093	12
16A	2 CO	12	6	1	686094	12
16A	2 CO	24	12	1	686095	12
16A	2 CO	48	24	1	686096	12
16A	2 CO	115	48	1	686097	12
16A	2 CO	230	115	1	686098	12
16A	2 CO	240	120	1	686099	12
32A	1NO	8	-	1	686110	12
32A	1NO	12	6	1	686111	12
32A	1NO	24	12	1	686112	12
32A	1NO	48	24	1	686113	12
32A	1NO	115	48	1	686114	12
32A	1NO	230	115	1	686115	12
32A	1NO	240	120	1	686116	12
32A	2NO	8	-	1	686118	12
32A	2NO	12	6	1	686119	12
32A	2NO	24	12	1	686120	12
32A	2NO	48	24	1	686121	12
32A	2NO	115	48	1	686122	12
32A	2NO	230	115	1	686123	12
32A	2NO	240	120	1	686124	12

Add-on power contact

16A	2NO	-	-	1	686100	10
16A	1NO 1NC	-	-	1	686085	10
16A	2CO	-	-	1	686101	10
32A	2NO	-	-	1	686117	10

Step by step multi circuit

Nominal current	Contact comb.	Coil voltage AC	Coil voltage DC	Mod.	Ref. No.	Pack
16A	2NO	12	6	1	686182	12
16A	2NO	24	12	1	686183	12
16A	2NO	48	24	1	686184	12
16A	2NO	230	115	1	686185	12
16A	2NO	240	120	1	686186	12
16A	2NO	12	6	1	686187	12
16A	2NO	24	12	1	686188	12
16A	2NO	48	24	1	686189	12
16A	2NO	230	115	1	686190	12
16A	2NO	240	120	1	686191	12

All-in central command

16A	1NO	8	-	1	686132	12
16A	1NO	12	6	1	686133	12
16A	1NO	24	12	1	686134	12
16A	1NO	48	24	1	686135	12
16A	1NO	230	115	1	686136	12
16A	1NO	240	120	1	686137	12
16A	1CO	8	-	1	686126	12
16A	1CO	12	6	1	686127	12
16A	1CO	24	12	1	686128	12
16A	1CO	48	24	1	686129	12
16A	1CO	230	115	1	686130	12
16A	1CO	240	120	1	686131	12
16A	2NO	8	-	1.5	686144	8
16A	2NO	12	6	1.5	686145	8
16A	2NO	24	12	1.5	686146	8
16A	2NO	48	24	1.5	686147	8
16A	2NO	230	115	1.5	686148	8
16A	2NO	240	120	1.5	686149	8
16A	2CO	8	-	1.5	686138	8
16A	2CO	12	6	1.5	686139	8
16A	2CO	24	12	1.5	686140	8
16A	2CO	48	24	1.5	686141	8
16A	2CO	230	115	1.5	686142	8
16A	2CO	240	120	1.5	686143	8
16A	3CO	8	-	2	686150	6
16A	3CO	12	6	2	686151	6
16A	3CO	24	12	2	686152	6
16A	3CO	48	24	2	686153	6
16A	3CO	230	115	2	686154	6
16A	3CO	240	120	2	686155	6
32A	1NO	8	-	1	686156	12
32A	1NO	12	6	1	686157	12
32A	1NO	24	12	1	686158	12
32A	1NO	48	24	1	686159	12
32A	1NO	230	115	1	686160	12
32A	1NO	240	120	1	686161	12
32A	2NO	8	-	1.5	686162	8
32A	2NO	12	6	1.5	686163	8
32A	2NO	24	12	1.5	686164	8
32A	2NO	48	24	1.5	686165	8
32A	2NO	230	115	1.5	686166	8
32A	2NO	240	120	1.5	686167	8
32A	3NO	8	-	2	686168	6
32A	3NO	12	6	2	686169	6
32A	3NO	24	12	2	686170	6
32A	3NO	48	24	2	686171	6
32A	3NO	230	115	2	686172	6
32A	3NO	240	120	2	686173	6



Energy management



Pulsar S - Impulse switches

Permanent use

Nominal current	Contact comb.	Coil voltage AC	Coil voltage DC	Mod.	Ref. No.	Pack
16A	2NO	24	12	1	686178	12
16A	2NO	230	115	1	686179	12
16A	2CO	24	12	1	686176	12
16A	2CO	230	115	1	686177	12
16A	4NO	24	12	2	686180	6
16A	4NO	230	115	2	686181	6

Add-on auxiliary contact

Current	Contact	Coil voltage AC	Coil voltage DC	Mod.	Ref. No.	Pack
5A	1NO 1NC	-	-	0.5	686067	16
5A	2NO	-	-	0.5	686068	16
5A	2NC	-	-	0.5	686066	16

Add-on central control

Current	Contact	Coil voltage AC	Coil voltage DC	Mod.	Ref. No.	Pack
-	-	-	-	0.5	686125	16

Multilevel central command module

Current	Contact	Coil voltage AC	Coil voltage DC	Mod.	Ref. No.	Pack
-	-	-	-	1	686175	12

SurgeGuard safety module

Current	Contact	Coil voltage AC	Coil voltage DC	Mod.	Ref. No.	Pack
-	-	230/240	-	1	686192	12

Capacity module

Current	Contact	Coil voltage AC	Coil voltage DC	Mod.	Ref. No.	Pack
-	-	230/240	-	1	686174	12

Accessories

Accessories	Current	Contact	Coil voltage AC	Coil voltage DC	Mod.	Ref. No.	Pack
Spacer	-	-	-	-	0.5	686069	50
Sealing cap	-	-	-	-	1	686070	50

Pulsar TS - Staircase switches

Staircase switch

Nominal current	Contact comb.	Coil voltage AC	Coil voltage DC	Mod.	Ref. No.	Pack
16	1NO	230	-	1	686216	12

Dimmer for staircase switch

Nominal current	Contact comb.	Coil voltage AC	Coil voltage DC	Mod.	Ref. No.	Pack
16	3500W	230	-	1	686214	12

Time-delay impulse relay

Nominal current	Contact comb.	Coil voltage AC	Coil voltage DC	Mod.	Ref. No.	Pack
16	1NO	230	-	1	666311	12

Pulsar T - Time Relays

Time Relays - Delay on

Nominal current	Contact comb.	Coil voltage AC	Coil voltage DC	Mod.	Ref. No.	Pack
Operating scale from 1 sec. up to 60 seconds						
16 A	1 CO	24	24	1	686207	12
16 A	1 CO	230	-	1	686209	12
Operating scale from 1 min. up to 60 minutes						
16 A	1 CO	24	24	1	686206	12
16 A	1 CO	230	-	1	686208	12

Positive edge single shot

Nominal current	Contact comb.	Coil voltage AC	Coil voltage DC	Mod.	Ref. No.	Pack
Operating scale from 1 sec. up to 60 seconds						
16 A	1 CO	24	24	1	686211	12
16 A	1 CO	230	-	1	686213	12
Operating scale from 1 min. up to 60 minutes						
16 A	1 CO	24	24	1	686210	12
16 A	1 CO	230	-	1	686212	12

Delay off

Nominal current	Contact comb.	Coil voltage AC	Coil voltage DC	Mod.	Ref. No.	Pack
Operating scale from 1 sec. up to 60 seconds						
16 A	1 CO	24	24	1	686203	12
16 A	1 CO	230	-	1	686205	12
Operating scale from 1 min. up to 60 minutes						
16 A	1 CO	24	24	1	686202	12
16 A	1 CO	230	-	1	686204	12

Asymmetrical flasher

Nominal current	Contact comb.	Coil voltage AC	Coil voltage DC	Mod.	Ref. No.	Pack
1 A	1 NO	230	-	1	686195	12

Symmetrical flasher

Nominal current	Contact comb.	Coil voltage AC	Coil voltage DC	Mod.	Ref. No.	Pack
16 A	1 CO	24	24	1	686218	6
16 A	1 CO	230	-	1	686219	6

Impulse generator

Nominal current	Contact comb.	Coil voltage AC	Coil voltage DC	Mod.	Ref. No.	Pack
16 A	1 CO	24	24	1	686196	6
16 A	1 CO	230	-	1	686197	6

Multifunction

Nominal current	Contact comb.	Coil voltage AC	Coil voltage DC	Mod.	Ref. No.	Pack
Operating scale from 0.1 sec. up to 60 minutes						
16 A	1 CO	24	24	1	686198*	1/6
16 A	1 CO	230	-	1	686200*	1/6
Operating scale from 30 sec. up to 20 hours						
16 A	1 CO	24	24	1	686199*	1/6
16 A	1 CO	230	-	1	686201*	1/6

(*) PLT + MF = Multifunction, including functions PLT + ON, PLT + OF and PLT + PS

Energy management



Classic - Analogue time switches

NET SYNCHRONISED - Day programmable

Prog.	No. of chan.	Operating voltage	Running reserve	Shortest switch time	Fix on/off auto	No. of mod.	Ref. No.	Pack.
1x24x2	1NO	220 ... 240V 50Hz	-	30min.	Not "OFF"	1	666111	1
1x24x2	1CO	220 ... 240V 50Hz	-	30min.	yes	3	666112	1
1x24x4	1CO	230V 50Hz	-	15min.	yes	3	666113	1

NET SYNCHRONISED - Week programmable

7x24/3	1CO	220 ... 240V 50Hz	-	3h	yes	3	666114	1
7x24/2	1CO	230V 50Hz	-	2h	yes	3	666115	1

QUARTZ SYNCHRONISED - Day programmable

1x24x2	1NO	130VDC/ 230V	50h	30min.	Not "OFF"	1	666105	1
1x24x2	1CO	130VDC/ 230V	150h	30min.	yes	3	666104	1
1x24x4	1CO	230V	300h	15min.	yes	3	666106	1

QUARTZ SYNCHRONISED - Week programmable

7x24/3	1CO	130VDC/ 230V	150h	3h	yes	3	666109	1
7x24/3	1CO	230V	300h	2h	yes	3	666110	1

QUARTZ SYNCHRONISED - Day-Day programmable

1x24x2 +1x24x2	2CO	130VDC/ 230V	150h	30min.	yes	6	666103	1
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QUARTZ SYNCHRONISED - Day-Week programmable

1x24x2 +7x24/3	2CO	130VDC/ 230V	150h	30min./3h	yes	6	666108	1
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Accessories

Surface mounting set						1	666100	1
						3	666101	1
						6	666102	1

Galax - Digital time switches LS1⁽²⁾

QUARTZ SYNCHRONISED - Day programmable

Prog.	No. of chan.	Operating voltage	Running reserve	Shortest switch time	No. of prog. steps	No. of mod.	Ref. No.	Pack.
1x24h	1CO	220...240V	3yr	1min.	50	2	686531	1

QUARTZ SYNCHRONISED - Day/Week programmable

7x24h	1CO	220...240V	3yr	1min.	50	1	686530	1
7x24h	1CO	220...240V	3yr	1min.	50	2	686532	1
7x24h	2CO	220...240V	3yr	1min.	50	2	686533	1
7x24h	1CO	220...240V	3yr	1min.	50	2	686534	1
7x24h	1CO	220...240V	3yr	1min.	50	2	686535	1

QUARTZ SYNCHRONISED - ASTRO/Week programmable⁽¹⁾

-	1CO	220...240V	3yr	-	-	2	680070 ⁽²⁾	1
7x24h	2CO	220...240V	3yr	1min.	50 ⁽¹⁾	2	680073 ⁽²⁾	1

QUARTZ SYNCHRONISED - Day/Week/Year programmable

7x24x3600	2CO	220...240V	6yr	1s.	400	6	666192	1
7x24x3600	4CO	220...240V	6yr	1s.	400	6	666193	1
365x24 x3600	2CO	220...240V	6yr	1s.	400	6	666194	1
365x24 x3600	4CO	220...240V	6yr	1s.	400	6	666195	1

Accessories

DCF-77 antenna								
For year programmable time switches						-	666181	1

Programming tools								
For year programmable time switches						-	666182	1

(1) For second channel

(2) Language set (codes LS1) valable for: German, English, French, Spanish, Italian, Portuguese, Czech, Dutch
Language set (codes LS2) valable for: English, Swedish, Norwegian, Danish, Polish, Hungarian
On request



Galax LSS - Light sensitive switches

DIN rail mounting, separate photocell included

Program	No. of channels	Nominal current	Operating voltage	No. of modules	Ref. No.	Pack
2 ... 500 lux	1NO	16A/250V	230V	1	666361	1
2 ... 2000 lux	2CO	16A/250V	230V	3	666362	1

Wall mounting, photocell incorporated

2 ... 2000 lux	1NO	16A/250V	230V	1	666364	1
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Accessories

Photocell (spare part)	-				666358	1
Surface mounting set				1	666100	1
				3	666101	1
				6	666102	1

Series T - Transformers

Bell Transformers

Output power	Secondary voltages	Secondary voltages	Number of modules	Ref. No.	Pack
5VA	8/12V	220..240V	2	666638	1
10VA	8/12V	220..240V	2	666636	1
15VA	8/12V	220..240V	2	666637	1
8VA	12/24V	220..240V	2	666650	1
16VA	12/24V	220..240V	2	666651	1
30VA	12/24V	220..240V	2	666652	1

Bell transformer Integrated on-off switch

8VA	8/12V	220..240V	2	666640	1
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Safety transformer

15VA	12/24V	220..240V	3	666641	1
25VA	12/24V	220..240V	4	666642	1
40VA	12/24V	220..240V	4	666643	1
63VA	12/24V	220..240V	6	666644	20

Buzzers

		220..240V	1	666629	12
		12V	1	666630	12

Bells

		220..240V	1	666632	12
		12V	1	666633	12

Series MT - Digital measurement instruments

Volt meter

Scale	Accuracy	No. of phases	No. of modules	Ref. No.	Pack
500V	0.5% ± 2 dig	1	2	666670	1

Ammeter and Voltmeter

Ammeter					
5A	0.5% ± 2 dig	1	2	666671	1
Ammeter + Voltmeter					
5A	0.5% ± 2 dig	1	2	666674	1

Frequency meter

40 ... 80Hz	0.3% ± 1 dig	1	2	666673	1
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Watt meter

9.99 W	1% ± 2 dig	1	2	667214	1
999 W	1% ± 2 dig	3	2	667215	1

Multifunction relays

(1)	0.5%	1	2	666448	1
(2)	0.5%	3+N	2	666449	1

Energy meter

Scale	Accuracy	No. of phases	No. of modules	Ref. No.	Pack
5(30)A	2	1	1	666675	1
5(32)A	2	1	2	666434	1
5A	2	3+N	4	666452	1
5A	2	3	4	666676 ⁽³⁾	1
63A	2	1	2	666450	1
63A	1	3+N	4	666631	1

Net analyser

5A	1	3(+N)	6	666451	1 ⁽⁴⁾
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Digital-multimeter

5A (x/5A)	1.5	3+N	4	666453	1
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- (1) 1-phase: V, A, W, cosφ, energy meter kWh, hour counter with buzzer alarm, priority relay. AC/DC supply
 (2) 3-phase: V, A, W, cosφ, Hz (F-F; F-N; A in neutral); kWh (imp-exp); hour counter; phase sequence; phase-neutral asymmetric phase-neutral voltage, AC/CC supply.
 (3) Only for net 3P+N
 (4) Oscilloscope function

Energy management



Series MT - Analogue measurement instruments

Volt meter

Scale	Accuracy	No. of phases	No. of modules	Ref. No.	Pack
300V	1.5	1	3	666417	1
500V	1.5	1	3	666418	1

Ammeter

	Accuracy	No. of phases	No. of modules	Ref. No.	Pack
-	1.5	1	3	666414	1
5A	1.5	1	3	666413	1
10A	1.5	1	3	666408	1
15A	1.5	1	3	666409	1
20A	1.5	1	3	666410	1
25A	1.5	1	3	666411	1
30A	1.5	1	3	666412	1

Frequency meter

	Accuracy	No. of phases	No. of modules	Ref. No.	Pack
45 ... 65Hz	0.5	1	3	666415	1

Hour counter

	Accuracy	No. of phases	No. of modules	Ref. No.	Pack
230V/50Hz	-	1	2	666416	1
110V/50Hz	-	1	2	666431	1
24V/50Hz	-	1	2	666432	1

Series PR - Priority and sequence phase relays

Priority relay

Output number	Module number	Contact	Ref. No.	Pack
1	2	1NO	666445	1
1	2	1NC	666446	1

Controls and sequence phase relays

Functions number	Module number	Contact	Ref. No.	Pack
2	2	1CO	666690	1
4	3	1CO	666433	1

Functions	Min voltage value range	Ref. No.	Pack
Phase sequence Phase presence	-	666690	-
Phase sequence Phase presence Neutral presence Min. voltage control	70-100%	666433	-

Series MT - Current transformer

Current transformer

Scale	Accuracy	Power (VA)	Type	Ref. No.	Pack
40/5A	3	2	TAM 1D	666381	1
50/5A	3	2	TAM 1D	666383	1
60/5A	3	2	TAM 1D	666385	1
80/5A	3	3	TAM 1D	666387	1
100/5A	1	2	TAM 3D	666375	1
150/5A	1	3	TAM 3D	666377	1
200/5A	1	3	TAM 3D	666378	1
250/5A	0.5	2	TAM 3D	666379	1
300/5A	0.5	2	TAM 3D	666380	1
400/5A	0.5	3	TAM 3D	666382	1
500/5A	0.5	10	TAM 4D	666384	1
600/5A	0.5	10	TAM 4D	666386	1
800/5A	0.5	10	TAM 6	666388	1
1000/5A	0.5	10	TAM 6	666376	1
1200/5A	0.5	-	-	666677	1
1500/5A	0.5	-	-	666678	1
2000/5A	0.5	-	-	666679	1

Interchangeable Ammeter scaleplates

Scale	Ref. No.	Pack
40/5A	666395	10
50/5A	666397	10
60/5A	666399	10
80/5A	666401	10
100/5A	666389	10
150/5A	666391	10
200/5A	666392	10
250/5A	666393	10
300/5A	666394	10
400/5A	666396	10
500/5A	666398	10
600/5A	666400	10
800/5A	666402	10
1000/5A	666390	10

Accessories

Accessories	Ref. No.	Pack
RS485 to RS232 signal converter	666404	1
Selector switch		
Amperage	666405	1
Voltage	666406	1



SurgeGuard - Surge Arresters

Single phase - Class I/B

Iimp	In	Up	Up (L-N)	Up (N-PE)	Umax	No. of poles	Auxiliary contact	No. modules	Ref. No.	Pack
35kA	-	4000V	-	-	255V	1P	-	1	667470	1
100kA	-	4000V	-	-	255V	1P	-	1	667471	1
100kA	100kA	-	-	-	500V	1P	-	1	667472	1

Single phase - Class I and II

Iimp Class I/Class II	In Class II	Up	Up (L-N)	Up (N-PE)	Umax	No. of poles	Auxiliary contact	No. modules	Ref. No.	Pack
15kA / 100kA	30kA	1300V	-	-	275V	1P	-	2	667486	1
30kA / 100kA	60kA	1500V	-	-	275V	1P	-	2	667487	1
7,5kA / 65kA	20kA	1300V	-	-	275V	1P	-	1	667517	1
12kA / 65kA	20kA	1500V	-	-	275V	1P	-	1	667518	1

Single phase plug-in (base+module) - Class II

I _{max}	In	Up	Up (L-N)	Up (N-PE)	Umax	No. of poles	Auxiliary contact	No. modules	Ref. No.	Pack
15kA	5kA	1200V	-	-	280V	1P	-	1	667500	1
15kA	5kA	1300V	-	-	440V	1P	-	1	667501	1
40kA	20kA	1300V	-	-	280V	1P	-	1	667502	1
40kA	20kA	1300V	-	-	280V	1P	1CO	1	667504	1
40kA	20kA	1900V	-	-	440V	1P	-	1	667503	1
40kA	20kA	1900V	-	-	440V	1P	1CO	1	667505	1
60kA	30kA	1500V	-	-	255V	1P (N-Earth)	-	1	667511	1

Multi-phase plug-in (base+module) - Class II

40kA	20kA	-	1300V	1500V	280V	2P	-	2	667506	1
40kA	20kA	-	1300V	1500V	440V	4P	-	4	667507	1

Single phase monobloc - Class II

15kA	5kA	1200V	-	-	275V	1P	-	1	667473	1
15kA	5kA	1200V	-	-	275V	1P	1CO	1	667475	1
15kA	5kA	1800V	-	-	420V	1P	-	1	667474	1
15kA	5kA	1800V	-	-	420V	1P	1CO	1	667476	1
15kA	5kA	850V	-	-	255V	1P (N-Earth)	-	1	667481	1
40kA	15kA	1300V	-	-	275V	1P	-	1	667477	1
40kA	15kA	1300V	-	-	275V	1P	1CO	1	667479	1
40kA	15kA	1800V	-	-	420V	1P	-	1	667478	1
40kA	15kA	1800V	-	-	420V	1P	1CO	1	667480	1
40kA	20kA	1200V	-	-	275V	1P (N-Earth)	-	1	667482	1

Multi-phase monobloc - Class II

Common and differential mode protection (TT systems)										
15kA	5kA	-	1200V	1500V	275V	2P	-	1	667483	1
15kA	5kA	-	1200V	1500V	275V	2P	-	2	667488	1
40kA	15kA	-	1300V	1500V	275V	2P	-	2	667490	1
15kA	5kA	-	1200V	1500V	440V	4P	-	4	667494	1
40kA	15kA	-	1300V	1500V	440V	4P	-	4	667496	1
Common mode protection (TN systems)										
15kA	5kA	-	1200V	-	275V	2P	-	2	667489	1
40kA	15kA	-	1300V	-	275V	2P	-	2	667491	1
15kA	5kA	-	1200V	-	440V	4P	-	4	667495	1
40kA	15kA	-	1300V	-	440V	4P	-	4	667497	1
40kA	15kA	-	1300V	-	440V	4P	1CO	4	667498	1



SurgeGuard - Surge Arresters

Protection for (DC) photovoltaic applications - Class II

I _{max}	I _n	U _p	U _p (L-N)	U _p (N-PE)	U _{max}	No. of poles	Auxiliary contact	No. modules	Ref. No.	Pack
40kA	15kA	2600V	-	-	600Vdc	2P	-	2	667508	1
40kA	15kA	3800V	-	-	1000Vdc	2P	-	2	667509	1

For communication lines - ADSL

I _{max}	I _n	U _p	U _p (L-N)	U _p (N-PE)	U _{max}	f _g Bandwidth	Protection type	No. modules	Ref. No.	Pack
10kA	5kA	200V	-	-	180V	3MHz	1 par	1	667484	1

For coax cables

20kA	10kA	600V	-	-	230V	3GHz	BNC	-	667510	1
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Accessories

Class II - Replacement mod. for plug-in versions

I _{max}	I _n	U _p (L-PE)	U _{max}	No. of poles	Auxiliary contact	No. modules	Ref. No.	Pack
15kA	5kA	1200V	280V	1P	-	1	667512	1
15kA	5kA	1300V	440V	1P	-	1	667513	1
40kA	20kA	1200V	280V	1P	-	1	667514	1
40kA	20kA	1300V	440V	1P	-	1	667515	1
60kA	20kA	1500V	255V	1P	-	1	667516	1

Decoupling coil

-	35A	-	-	1P	-	2	667492	1
-	63A	-	-	1P	-	4	667499	1

TELE OV - Temporary overvoltage protection

Temporary overvoltage protection

I _n	U _a L-N	Tripping time (U _a)	Tripping time (400V)	U _n	No. of poles	No. modules	Ref. No.	Pack
MCB's	254V	<4s	<0,5s	230V	2	1	667485	1
MCB's	254V	<4s	<0,5s	400V	4	2	667493	1

Busbars

No. of poles	I(A)	Ref. No.	Pack
2P	80	624993	20
3P	80	644893	20
4P	80	568106	20
8P	80	644897	20

Ref. No.	Page	Ref. No.	Page	Ref. No.	Page	Ref. No.	Page	Ref. No.	Page	Ref. No.	Page	Ref. No.	Page		
666394	31	666617	25	671528	15	674391	8	674557	8	674712	9	674867	11	674989	11
666395	31	666629	30	671529	15	674392	8	674558	8	674713	9	674868	11	674990	11
666396	31	666630	30	671530	15	674397	8	674559	8	674714	9	674869	11	674991	11
666397	31	666631	30	671534	15	674399	8	674560	8	674716	9	674872	11	674992	11
666398	31	666632	30	671535	15	674400	8	674563	8	674718	9	674873	11	674993	11
666399	31	666633	30	671536	15	674402	8	674565	8	674719	9	674874	11	674994	11
666400	31	666636	30	671540	15	674404	8	674567	8	674720	9	674875	11	674996	11
666401	31	666637	30	671541	15	674405	8	674568	8	674721	9	674877	11	674997	11
666402	31	666638	30	671542	15	674406	8	674569	8	674722	9	674878	11	674998	11
666403	31	666640	30	671546	15	674407	8	674570	8	674723	9	674879	11	674999	11
666405	31	666641	30	671547	15	674408	8	674571	8	674724	9	674880	11	675000	11
666406	31	666642	30	671548	15	674413	8	674574	8	674725	9	674881	11	675001	11
666408	31	666643	30	671552	15	674415	8	674576	8	674727	9	674882	11	675002	11
666409	31	666644	30	671553	15	674416	8	674578	8	674729	9	674883	11	675003	11
666410	31	666650	30	671554	15	674418	8	674579	8	674730	9	674884	11	675004	11
666411	31	666651	30	671558	15	674420	8	674580	8	674731	9	674885	11	675016	12
666412	31	666652	30	671559	15	674421	8	674581	8	674732	9	674886	11	675017	12
666413	31	666670	30	671560	15	674422	8	674582	8	674733	9	674887	11	675018	12
666414	31	666671	30	671564	15	674423	8	674585	8	674734	9	674888	11	675019	12
666415	31	666673	30	671565	15	674424	8	674587	8	674735	9	674889	11	675020	12
666416	31	666674	30	671566	15	674429	8	674589	8	674736	9	674890	11	675021	12
666417	31	666675	30	671570	15	674431	8	674590	8	674738	9	674891	11	675023	12
666418	31	666676	30	671571	15	674432	8	674591	8	674740	9	674893	11	675024	12
666431	31	666677	31	671572	15	674434	8	674592	8	674741	9	674894	11	675025	12
666432	31	666678	31	671597	22	674436	8	674593	8	674742	9	674895	11	675026	12
666433	31	666679	31	671598	22	674437	8	674598	9	674743	9	674896	11	675027	12
666434	30	666690	31	671599	22	674438	8	674600	9	674744	9	674897	11	675028	12
666445	31	666874	25	671600	22	674439	8	674601	9	674745	9	674898	11	675029	12
666446	31	666875	25	671602	22	674440	8	674603	9	674746	9	674899	11	675030	12
666448	30	666876	25	672567	22	674443	8	674605	9	674760	10	674900	11	675031	12
666449	30	666877	25	672568	22	674445	8	674606	9	674762	10	674901	11	675032	12
666450	30	666878	25	672569	22	674447	8	674607	9	674763	10	674902	11	675033	12
666451	30	667214	30	672570	22	674448	8	674608	9	674765	10	674903	11	675034	12
666452	30	667215	30	672571	22	674449	8	674609	9	674767	10	674904	11	675035	12
666453	30	667470	32	672572	22	674450	8	674610	9	674768	10	674905	11	675036	12
666499	25	667471	32	672573	22	674451	8	674611	9	674769	10	674906	11	675037	12
666501	25	667472	32	672574	22	674454	8	674614	9	674770	10	674907	11	675039	12
666502	25	667473	32	672575	22	674456	8	674616	9	674771	10	674909	11	675040	12
666555	25	667474	32	672576	22	674458	8	674617	9	674772	10	674910	11	675041	12
666556	25	667475	32	672577	22	674459	8	674619	9	674773	10	674911	11	675042	12
666557	25	667476	32	672578	22	674460	8	674621	9	674776	10	674912	11	675043	12
666558	25	667477	32	672580	22	674461	8	674622	9	674778	10	674913	11	675044	12
666559	25	667478	32	672972	22	674462	8	674623	9	674779	10	674914	11	675045	12
666560	25	667479	32	672973	22	674466	8	674624	9	674781	10	674915	11	675046	12
666561	25	667480	32	672974	22	674468	8	674625	9	674783	10	674916	11	675047	12
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666573	25	667492	33	673315	15	674485	8	674642	9	674800	10	674929	11	675060	12
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666575	25	667494	32	673317	15	674492	8	674646	9	674802	10	674931	11	675062	12
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666577	25	667496	32	673319	15	674495	8	674649	9	674804	10	674933	11	675064	12
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666579	25	667498	32	673322	15	674498	8	674653	9	674808	10	674952	11	675066	12
666580	25	667499	33	673324	15	674499	8	674654	9	674810	10	674953	11	675067	12
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666582	25	667501	32	673327	15	674501	8	674656	9	674813	10	674955	11	675069	12
666583	25	667502	32	673328	15	674506	8	674657	9	674815	10	674956	11	675071	12
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666591	25	667510	33	673336	15	674517	8	674670	9	674826	10	674965	11	675079	12
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666593	25	667512	33	673338	15	674524	8	674672	9	674829	10	674967	11	675081	12
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666597	25	667516	33	673342	15	674530	8	674692	9	674834	10	674971	11	675085	12
666598	25	667517	32	673343	15	674531	8	674694	9	674835	10	674972	11	675087	12
666599	25	667518	32	673344	15	674532	8	674696	9	674836	10	6749			

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www.ge.com/ex/industrialsolutions

Belgium

GE Industrial Belgium
Nieuwevaart 51
B-9000 Gent
Tel. +32 (0)9 265 21 11

Finland

GE Energy Industrial Solutions
Kuortaneenkatu 2
FI-00510 Helsinki
Tel. +358 (0)10 394 3760

France

GE Energy Industrial Solutions
Paris Nord 2
13, rue de la Perdrix
F-95958 Roissy CDG Cédex
Tel. +33 (0)800 912 816

Germany

GE Energy Industrial Solutions
Robert-Bosch Str. 2a
50354 Hürth-Efferen
Tel. +49 (0) 2233/ 9719-0

Hungary

GE Hungary Kft.
Váci ut 81-83.
H-1139 Budapest
Tel. +36 1 447 6050

Italy

GE Energy Industrial Solutions
Centro Direzionale Colleoni
Via Paracelso 16
Palazzo Andromeda B1
I-20041 Agrate Brianza (MB)
Tel. +39 2 61 773 1

Netherlands

GE Energy Industrial Solutions
Parallelweg 10
NL-7482 CA Haaksbergen
Tel. +31 (0)53 573 03 03

Poland

GE Power Controls
Ul. Odrowaza 15
03-310 Warszawa
Tel. +48 22 519 76 00

Ul. Leszczyńska 6

Bielsko-Biała 43-300
Tel. +48 33 828 62 33

Portugal

GE Energy Industrial Solutions
Rua Camilo Castelo Branco, 805
Apartado 2770
4401-601 Vila Nova de Gaia
Tel. +351 22 374 60 00

Russia

GE Energy Industrial Solutions
27/8, Electroavodskaya street
Moscow, 107023
Tel. +7 495 937 11 11

South Africa

GE Energy Industrial Solutions
Unit 4, 130 Gazelle Avenue
Corporate Park Midrand 1685
P.O. Box 76672 Wendywood 2144
Tel. +27 11 238 3000

Spain

GE Energy Industrial Solutions
P.I. Clot del Tufau, s/n
E-08295 Sant Vicenç de Castellet
Tel. +34 900 993 625

United Arab Emirates

GE Energy Industrial Solutions
1101, City Tower 2, Sheikh Zayed Road
P.O. Box 11549, Dubai
Tel. +971 43131202

United Kingdom

GE Energy Industrial Solutions
Houghton Centre
Salhouse Road
Blackmills
Northampton
NN4 7EX
Tel. +44 (0)800 587 1239



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