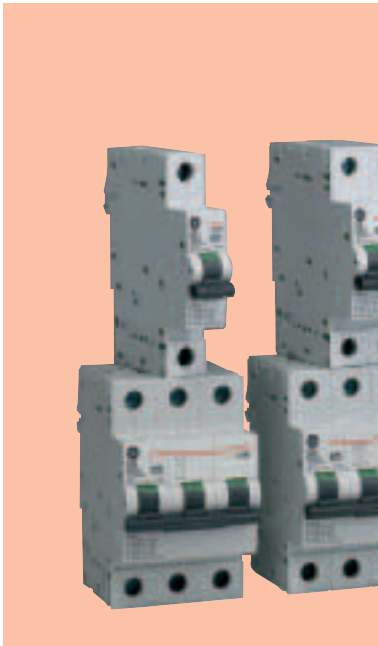




## Miniature Circuit Breakers

### G100

|                |       |
|----------------|-------|
| EN/IEC 60898-1 | 10000 |
|                | 3     |
| EN/IEC 60947-2 | 15kA  |

Special executions G100S for Shipping application and EP100R for Railways application in separate document.

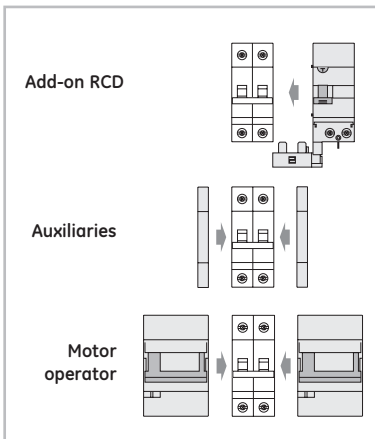
### Applications



### Approval / Marking



### Add-on devices



- Add-on RCD ● pg B.16
- 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

- Accessories ● pg A.50
- Busbars ● pg E.2
- More technical data ● website
- Dimensions ● pg A.80

### Performances

|                                        |                    |                 |
|----------------------------------------|--------------------|-----------------|
| Thermal setting $I_n$                  | (A)                | 0.5-63          |
| Rated voltage AC $U_n$                 | (V)                | 240/415         |
| Minimum operating voltage $U_{8\min}$  | (V)                | 12              |
| Tripping characteristics               |                    | B-C-D           |
| Selectivity class                      |                    | 3               |
| Mechanical/electrical endurance        |                    | 20000/10000     |
| Tropicalisation acc.to EN/IEC 60068-2  |                    | 95%RH at 55°C   |
| Terminal capacity flexible/rigid cable | (mm <sup>2</sup> ) | 25-35           |
| Poles                                  |                    | 1, 1+N, 2, 3, 4 |
| Weight                                 | (g/pole)           | 120             |

### Short-circuit capacity

#### AC acc. to EN/IEC 60898-1

| Poles | V       | $I_{cn}$ (kA) <sup>(1)</sup> |
|-------|---------|------------------------------|
| 1-4   | 230/400 | 10                           |

#### AC acc. to EN/IEC 60947-2

| Poles  | V   | $I_{cu}$ (kA) <sup>(2)</sup> |
|--------|-----|------------------------------|
| 1      | 240 | 15                           |
| 1+N, 2 | 127 | 40                           |
|        | 240 | 30                           |
| 2      | 415 | 15                           |
| 3, 4   | 240 | 30                           |
|        | 415 | 15                           |

#### DC acc. to EN/IEC 60947-2

| Poles | V <sub>DC</sub> <sup>(3)</sup> | $I_{cu}/I_{cs}$ (kA) |
|-------|--------------------------------|----------------------|
| 1     | 60                             | 25                   |
| 2     | 125                            | 30                   |

(1)  $I_{cs} = 75\% I_{cu}$

(2)  $I_{cs} = 50\% I_{cu}$

(3) Nominal and Maximum VDC on page A.4-A.5

Screwless MCB's 10 kA, see page A.78

## Series G100 - 10kA - characteristics B-C-D

|                                                                                                                                                                      | In (A) | B        |          | C        |          | D         |          | Pack. |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------|----------|----------|----------|-----------|----------|-------|
|                                                                                                                                                                      |        | Cat. No. | Ref. No. | Cat. No. | Ref. No. | Cat. No.  | Ref. No. |       |
|  <p><b>1P</b><br/><b>1 mod.</b></p> <p>1/2</p> <p>2/1</p>                           | 0.5    | -        | -        | G101C0.5 | 674854   | G101D0.5  | 675016   | 12    |
|                                                                                                                                                                      | 1      | -        | -        | G101C01  | 674855   | G101D01   | 675017   | 12    |
|                                                                                                                                                                      | 2      | -        | -        | G101C02  | 674856   | G101D02   | 675018   | 12    |
|                                                                                                                                                                      | 3      | -        | -        | G101C03  | 674857   | G101D03   | 675019   | 12    |
|                                                                                                                                                                      | 4      | -        | -        | G101C04  | 674858   | G101D04   | 675020   | 12    |
|                                                                                                                                                                      | 6      | G101B06  | 674950   | G101C06  | 674859   | G101D06   | 675021   | 12    |
|                                                                                                                                                                      | 10     | G101B10  | 674952   | G101C10  | 674861   | G101D10   | 675023   | 12    |
|                                                                                                                                                                      | 13     | G101B13  | 674953   | G101C13  | 674862   | G101D13   | 675024   | 12    |
|                                                                                                                                                                      | 16     | G101B16  | 674954   | G101C16  | 674863   | G101D16   | 675025   | 12    |
|                                                                                                                                                                      | 20     | G101B20  | 674955   | G101C20  | 674864   | G101D20   | 675026   | 12    |
|                                                                                                                                                                      | 25     | G101B25  | 674956   | G101C25  | 674865   | G101D25   | 675027   | 12    |
|                                                                                                                                                                      | 32     | G101B32  | 674957   | G101C32  | 674866   | G101D32   | 675028   | 12    |
|                                                                                                                                                                      | 40     | G101B40  | 674958   | G101C40  | 674867   | G101D40   | 675029   | 12    |
|                                                                                                                                                                      | 50     | G101B50  | 674959   | G101C50  | 674868   | G101D50   | 675030   | 12    |
|                                                                                                                                                                      | 63     | G101B63  | 674960   | G101C63  | 674869   | G101D63   | 675031   | 12    |
|  <p><b>1P+N</b><br/><b>2 mod.</b></p> <p>1/2 N</p> <p>2/1 N</p>                     | 0.5    | -        | -        | -        | -        | G101ND0.5 | 675032   | 6     |
|                                                                                                                                                                      | 1      | -        | -        | -        | -        | G101ND01  | 675033   | 6     |
|                                                                                                                                                                      | 2      | -        | -        | G101NC02 | 674872   | G101ND02  | 675034   | 6     |
|                                                                                                                                                                      | 3      | -        | -        | G101NC03 | 674873   | G101ND03  | 675035   | 6     |
|                                                                                                                                                                      | 4      | -        | -        | G101NC04 | 674874   | G101ND04  | 675036   | 6     |
|                                                                                                                                                                      | 6      | G101NB06 | 674961   | G101NC06 | 674875   | G101ND06  | 675037   | 6     |
|                                                                                                                                                                      | 10     | G101NB10 | 674963   | G101NC10 | 674877   | G101ND10  | 675039   | 6     |
|                                                                                                                                                                      | 13     | G101NB13 | 674964   | G101NC13 | 674878   | G101ND13  | 675040   | 6     |
|                                                                                                                                                                      | 16     | G101NB16 | 674965   | G101NC16 | 674879   | G101ND16  | 675041   | 6     |
|                                                                                                                                                                      | 20     | G101NB20 | 674966   | G101NC20 | 674880   | G101ND20  | 675042   | 6     |
|                                                                                                                                                                      | 25     | G101NB25 | 674967   | G101NC25 | 674881   | G101ND25  | 675043   | 6     |
|                                                                                                                                                                      | 32     | G101NB32 | 674968   | G101NC32 | 674882   | G101ND32  | 675044   | 6     |
|                                                                                                                                                                      | 40     | G101NB40 | 674969   | G101NC40 | 674883   | G101ND40  | 675045   | 6     |
|                                                                                                                                                                      | 50     | G101NB50 | 674970   | G101NC50 | 674884   | G101ND50  | 675046   | 6     |
|                                                                                                                                                                      | 63     | G101NB63 | 674971   | G101NC63 | 674885   | G101ND63  | 675047   | 6     |
|  <p><b>2P</b><br/><b>2 mod.</b></p> <p>1/2 3/4</p> <p>2/1 4/3</p>                 | 0.5    | -        | -        | G102C0.5 | 674886   | G102D0.5  | 675048   | 6     |
|                                                                                                                                                                      | 1      | -        | -        | G102C01  | 674887   | G102D01   | 675049   | 6     |
|                                                                                                                                                                      | 2      | -        | -        | G102C02  | 674888   | G102D02   | 675050   | 6     |
|                                                                                                                                                                      | 3      | -        | -        | G102C03  | 674889   | G102D03   | 675051   | 6     |
|                                                                                                                                                                      | 4      | -        | -        | G102C04  | 674890   | G102D04   | 675052   | 6     |
|                                                                                                                                                                      | 6      | G102B06  | 674972   | G102C06  | 674891   | G102D06   | 675053   | 6     |
|                                                                                                                                                                      | 10     | G102B10  | 674974   | G102C10  | 674893   | G102D10   | 675055   | 6     |
|                                                                                                                                                                      | 13     | G102B13  | 674975   | G102C13  | 674894   | G102D13   | 675056   | 6     |
|                                                                                                                                                                      | 16     | G102B16  | 674976   | G102C16  | 674895   | G102D16   | 675057   | 6     |
|                                                                                                                                                                      | 20     | G102B20  | 674977   | G102C20  | 674896   | G102D20   | 675058   | 6     |
|                                                                                                                                                                      | 25     | G102B25  | 674978   | G102C25  | 674897   | G102D25   | 675059   | 6     |
|                                                                                                                                                                      | 32     | G102B32  | 674979   | G102C32  | 674898   | G102D32   | 675060   | 6     |
|                                                                                                                                                                      | 40     | G102B40  | 674980   | G102C40  | 674899   | G102D40   | 675061   | 6     |
|                                                                                                                                                                      | 50     | G102B50  | 674981   | G102C50  | 674900   | G102D50   | 675062   | 6     |
|                                                                                                                                                                      | 63     | G102B63  | 674982   | G102C63  | 674901   | G102D63   | 675063   | 6     |
|  <p><b>3P</b><br/><b>3 mod.</b></p> <p>1/2 3/4 5/6</p> <p>2/1 4/3 6/5</p>         | 0.5    | -        | -        | G103C0.5 | 674902   | G103D0.5  | 675064   | 4     |
|                                                                                                                                                                      | 1      | -        | -        | G103C01  | 674903   | G103D01   | 675065   | 4     |
|                                                                                                                                                                      | 2      | -        | -        | G103C02  | 674904   | G103D02   | 675066   | 4     |
|                                                                                                                                                                      | 3      | -        | -        | G103C03  | 674905   | G103D03   | 675067   | 4     |
|                                                                                                                                                                      | 4      | -        | -        | G103C04  | 674906   | G103D04   | 675068   | 4     |
|                                                                                                                                                                      | 6      | G103B06  | 674983   | G103C06  | 674907   | G103D06   | 675069   | 4     |
|                                                                                                                                                                      | 10     | G103B10  | 674985   | G103C10  | 674909   | G103D10   | 675071   | 4     |
|                                                                                                                                                                      | 13     | G103B13  | 674986   | G103C13  | 674910   | G103D13   | 675072   | 4     |
|                                                                                                                                                                      | 16     | G103B16  | 674987   | G103C16  | 674911   | G103D16   | 675073   | 4     |
|                                                                                                                                                                      | 20     | G103B20  | 674988   | G103C20  | 674912   | G103D20   | 675074   | 4     |
|                                                                                                                                                                      | 25     | G103B25  | 674989   | G103C25  | 674913   | G103D25   | 675075   | 4     |
|                                                                                                                                                                      | 32     | G103B32  | 674990   | G103C32  | 674914   | G103D32   | 675076   | 4     |
|                                                                                                                                                                      | 40     | G103B40  | 674991   | G103C40  | 674915   | G103D40   | 675077   | 4     |
|                                                                                                                                                                      | 50     | G103B50  | 674992   | G103C50  | 674916   | G103D50   | 675078   | 4     |
|                                                                                                                                                                      | 63     | G103B63  | 674993   | G103C63  | 674917   | G103D63   | 675079   | 4     |
|  <p><b>4P</b><br/><b>4 mod.</b></p> <p>1/2 3/4 5/6 7/8</p> <p>2/1 4/3 6/5 8/7</p> | 0.5    | -        | -        | G104C0.5 | 674918   | G104D0.5  | 675080   | 3     |
|                                                                                                                                                                      | 1      | -        | -        | G104C01  | 674919   | G104D01   | 675081   | 3     |
|                                                                                                                                                                      | 2      | -        | -        | G104C02  | 674920   | G104D02   | 675082   | 3     |
|                                                                                                                                                                      | 3      | -        | -        | G104C03  | 674921   | G104D03   | 675083   | 3     |
|                                                                                                                                                                      | 4      | -        | -        | G104C04  | 674922   | G104D04   | 675084   | 3     |
|                                                                                                                                                                      | 6      | G104B06  | 674994   | G104C06  | 674923   | G104D06   | 675085   | 3     |
|                                                                                                                                                                      | 10     | G104B10  | 674996   | G104C10  | 674925   | G104D10   | 675087   | 3     |
|                                                                                                                                                                      | 13     | G104B13  | 674997   | G104C13  | 674926   | G104D13   | 675088   | 3     |
|                                                                                                                                                                      | 16     | G104B16  | 674998   | G104C16  | 674927   | G104D16   | 675089   | 3     |
|                                                                                                                                                                      | 20     | G104B20  | 674999   | G104C20  | 674928   | G104D20   | 675090   | 3     |
|                                                                                                                                                                      | 25     | G104B25  | 675000   | G104C25  | 674929   | G104D25   | 675091   | 3     |
|                                                                                                                                                                      | 32     | G104B32  | 675001   | G104C32  | 674930   | G104D32   | 675092   | 3     |
|                                                                                                                                                                      | 40     | G104B40  | 675002   | G104C40  | 674931   | G104D40   | 675093   | 3     |
|                                                                                                                                                                      | 50     | G104B50  | 675003   | G104C50  | 674932   | G104D50   | 675094   | 3     |
|                                                                                                                                                                      | 63     | G104B63  | 675004   | G104C63  | 674933   | G104D63   | 675095   | 3     |