



Modular 200

MCB distribution boards
Industrial & commercial



GE imagination at work

MCB Distribution Boards

Quick selector guide - Advantages

Intro

Type A - MCB Distribution Board

A

Type B - MCB Distribution Board

B

Protection Devices

C

Control and Measurement Devices

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Quick selector guide

The quick selector guide shortlists the most commonly used products from the main catalogue to speed up your selection process. For a comprehensive listing please refer to the page indicated.

Boards - Type A



| Order Codes | SP ways | Incomer Type | Rating | Page |
|-------------|---------|--------------------------|----------|------|
| MOD1DB60 | 6 | Main switch disconnecter | 100A | A.3 |
| MOD1DB90 | 9 | Main switch disconnecter | 100A | A.3 |
| MOD1DB130 | 13 | Main switch disconnecter | 100A | A.3 |
| MOD1DBA60 | 6 | RCD Main switch | 80A 30mA | A.3 |
| MOD1DBA90 | 9 | RCD Main switch | 80A 30mA | A.3 |
| MOD1DBA130 | 13 | RCD Main switch | 80A 30mA | A.3 |

Busbar suitable to accept 1P ElfaPlus MCBs only.

Outgoing devices - 1 pole 10kA MCBs



| B | | C | | Rating | Page |
|-------------|-------------|-------------|-------------|--------|------|
| Order Codes | Order Codes | Order Codes | Order Codes | | |
| EP101B06 | EP101C06 | | | 6A | C.5 |
| EP101B10 | EP101C10 | | | 10A | C.5 |
| EP101B16 | EP101C16 | | | 16A | C.5 |
| EP101B20 | EP101C20 | | | 20A | C.5 |
| EP101B25 | EP101C25 | | | 25A | C.5 |
| EP101B32 | EP101C32 | | | 32A | C.5 |
| EP101B40 | EP101C40 | | | 40A | C.5 |
| EP101B50 | EP101C50 | | | 50A | C.5 |
| EP101B63 | EP101C63 | | | 63A | C.5 |

Outgoing devices - 1 module 30mA RCBOs



| B | | C | | Rating | Page |
|---------------|---------------|-------------|-------------|--------|------|
| Order Codes | Order Codes | Order Codes | Order Codes | | |
| DPE100B06/030 | DPE100C06/030 | | | 6A | C.11 |
| DPE100B10/030 | DPE100C10/030 | | | 10A | C.11 |
| DPE100B16/030 | DPE100C16/030 | | | 16A | C.11 |
| DPE100B20/030 | DPE100C20/030 | | | 20A | C.11 |
| DPE100B25/030 | DPE100C25/030 | | | 25A | C.11 |
| DPE100B32/030 | DPE100C32/030 | | | 32A | C.11 |
| DPE100B40/030 | DPE100C40/030 | | | 40A | C.11 |

Accessories



| Order Codes | Description | Page |
|-------------|---------------------------|------|
| MOD2LCK | Security lock with 2 keys | A.4 |
| KS | MCB padlocking bracket | A.4 |
| BLNK4 | 4 module blanking plate | A.4 |
| SHR3 | 3 module busbar shroud | A.4 |

Boards and incomers - Type B

| Order Codes | TP ways | Description | Rating | Page |
|-------------|---------|----------------------------------|--------|------|
| MOD2DB40 | 4 | Type B MCB distribution board | 200A | B.3 |
| MOD2DB60 | 6 | Type B MCB distribution board | 200A | B.3 |
| MOD2DB80 | 8 | Type B MCB distribution board | 200A | B.3 |
| MOD2DB120 | 12 | Type B MCB distribution board | 200A | B.3 |
| MOD2DB180 | 18 | Type B MCB distribution board | 200A | B.3 |
| MOD2DB240 | 24 | Type B MCB distribution board | 200A | B.3 |
| MOD2ISO3 | - | 3P Integral main switch | 100A | B.3 |
| MOD2DIL125 | - | 3P Integral switch disconnecter | 125A | B.3 |
| MOD2DIL200 | - | 3P Extension switch disconnecter | 200A | B.4 |



Busbar suitable to accept 1P, 2P and 3P ElfaPlus MCBs only.

Outgoing devices - 3P 10kA MCBs

| B | | C | | Rating | Page |
|-------------|-------------|-------------|-------------|--------|------|
| Order Codes | Order Codes | Order Codes | Order Codes | | |
| EP103B06 | EP103C06 | | | 6A | C.5 |
| EP103B10 | EP103C10 | | | 10A | C.5 |
| EP103B16 | EP103C16 | | | 16A | C.5 |
| EP103B20 | EP103C20 | | | 20A | C.5 |
| EP103B25 | EP103C25 | | | 25A | C.5 |
| EP103B32 | EP103C32 | | | 32A | C.5 |
| EP103B40 | EP103C40 | | | 40A | C.5 |
| EP103B50 | EP103C50 | | | 50A | C.5 |
| EP103B63 | EP103C63 | | | 63A | C.5 |



Outgoing devices - 2 module 30mA RCBOs

| B | | C | | Rating | Page |
|---------------|---------------|-------------|-------------|--------|------|
| Order Codes | Order Codes | Order Codes | Order Codes | | |
| DPT100B06/030 | DPT100C06/030 | | | 6A | C.11 |
| DPT100B10/030 | DPT100C10/030 | | | 10A | C.11 |
| DPT100B16/030 | DPT100C16/030 | | | 16A | C.11 |
| DPT100B20/030 | DPT100C20/030 | | | 20A | C.11 |
| DPT100B25/030 | DPT100C25/030 | | | 25A | C.11 |
| DPT100B32/030 | DPT100C32/030 | | | 32A | C.11 |
| DPT100B40/030 | DPT100C40/030 | | | 40A | C.11 |



Accessories

| Order Codes | Description | Page |
|-------------|-------------------------------|------|
| KS | MCB padlocking bracket | B.5 |
| BLNK4 | 4 module blanking plate | B.5 |
| SHR3 | 3 module busbar shroud | B.5 |
| MOD218D | Modular devices extension box | B.4 |
| MOD2SB1 | Modular spreader box | B.4 |



Notes

A large grid of red dots for taking notes, consisting of approximately 30 columns and 40 rows.

MCB Distribution Boards

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Winning combinations

For all applications



GE is known throughout the world for manufacturing innovative, quality products that are easy to install and provide flexible user friendly features as standard.

Modular 200 and ElfaPlus are a complete range of type A and B MCB distribution boards and modular DIN rail devices that are the result of comprehensive market research with customers throughout the UK.

The range has now been extended with the addition of the Modular 200 24 way TP+N board and the space saving ElfaPlus single module RCBO.

Together Modular 200 and ElfaPlus are a winning combination.

Commercial



Industrial



The complete range



Easy to install

Generous wiring space even when using the single module RCBO

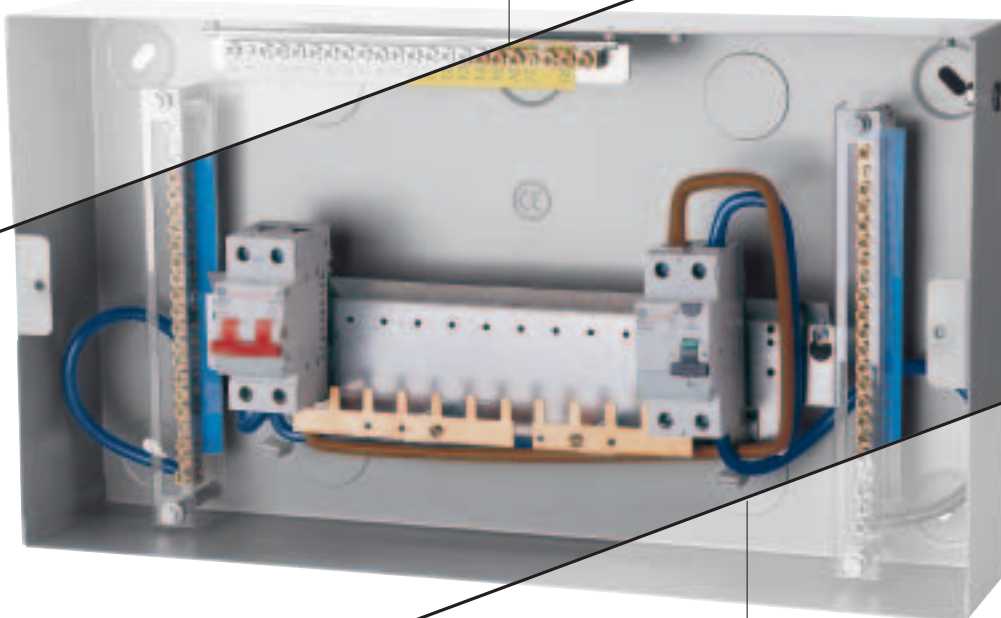


Easy to fit modular devices

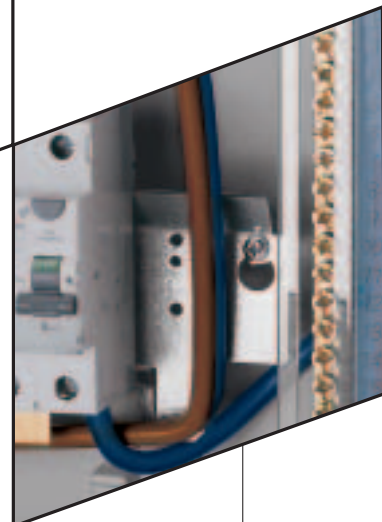


Modular 200

Incomers fitted ready to accept MCBs and RCBOs to speed up installation



Pan assembly is raised with ample space behind to aid wiring



Comprehensive range of incomer combinations for all applications

Pan assembly easy to remove to help when mounting the enclosure

MCB Distribution Boards

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Modular design concept provides for highly flexible solutions

Advantages

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Split earth and neutral bars simplifies wiring

Quick neutral disconnect facility aids speedy testing

Unique door hinges allow 110° door opening permitting boards to be fitted directly adjacent

Easy to remove inner cover using factory fitted handles

Easy to remove top and bottom gland plates

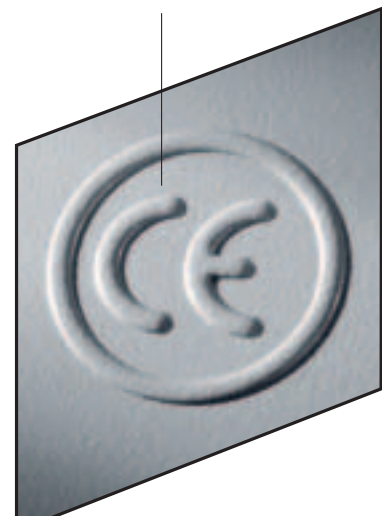
Doors can be easily removed using the quick release door hinges to reduce installation time



Safe and reliable

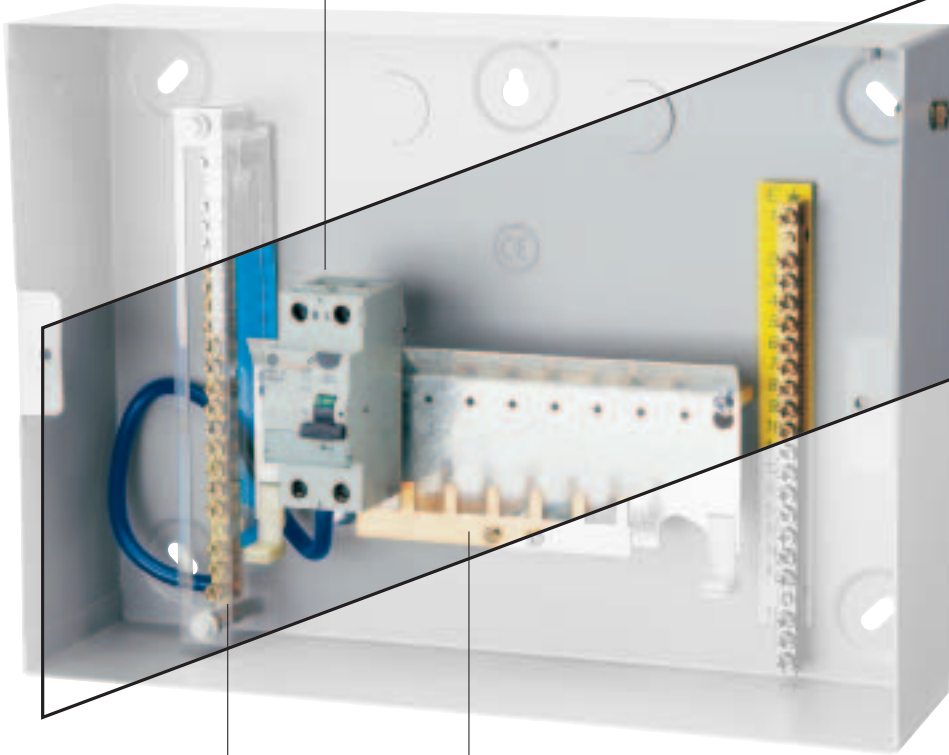
BSEN60439-3

CE marked



MCB Distribution Boards

Factory fitted RCD terminal covers



Shrouded neutral terminal bar

120A continuously rated (16kA short circuit rated)

Shrouded phase busbar



Modular 200



Intro

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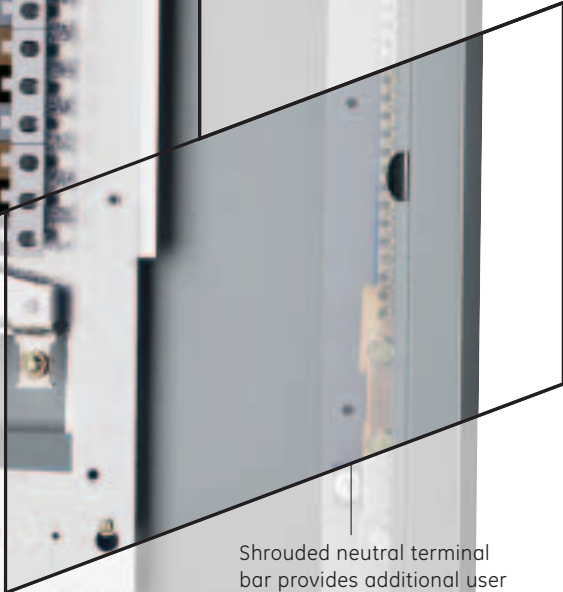
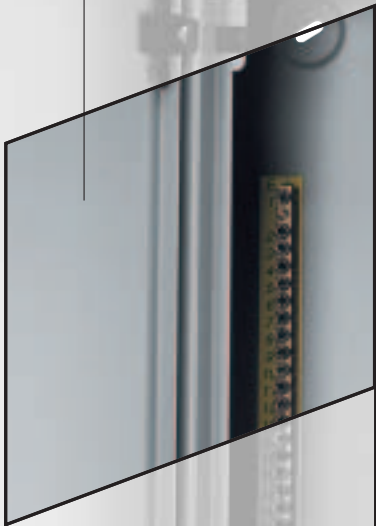
D

X

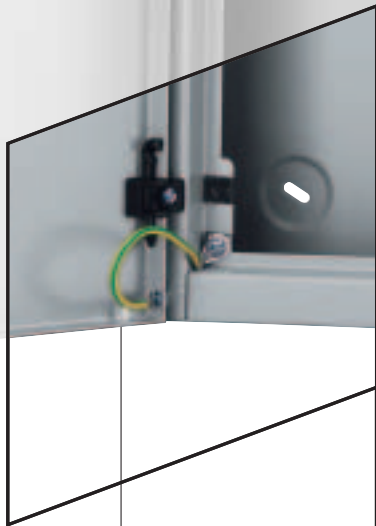
Durable

Durable paint finish

One piece (no welds or rivets) phase busbar to eliminate the risk of hot spots



Shrouded neutral terminal bar provides additional user protection



Earth bonding between door and enclosure



Enhanced security option to restrict unauthorised access or device operation

Advantages

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User friendly

Modular 200

Clean earth option provides for sensitive equipment earthing requirements

Circuit indicator windows

Device padlocking prevents unauthorised operation

Real contact position indication on the device toggle

Easy to maintain

Door opens through 180° to allow easy access to devices

MCB Distribution Boards

Intro

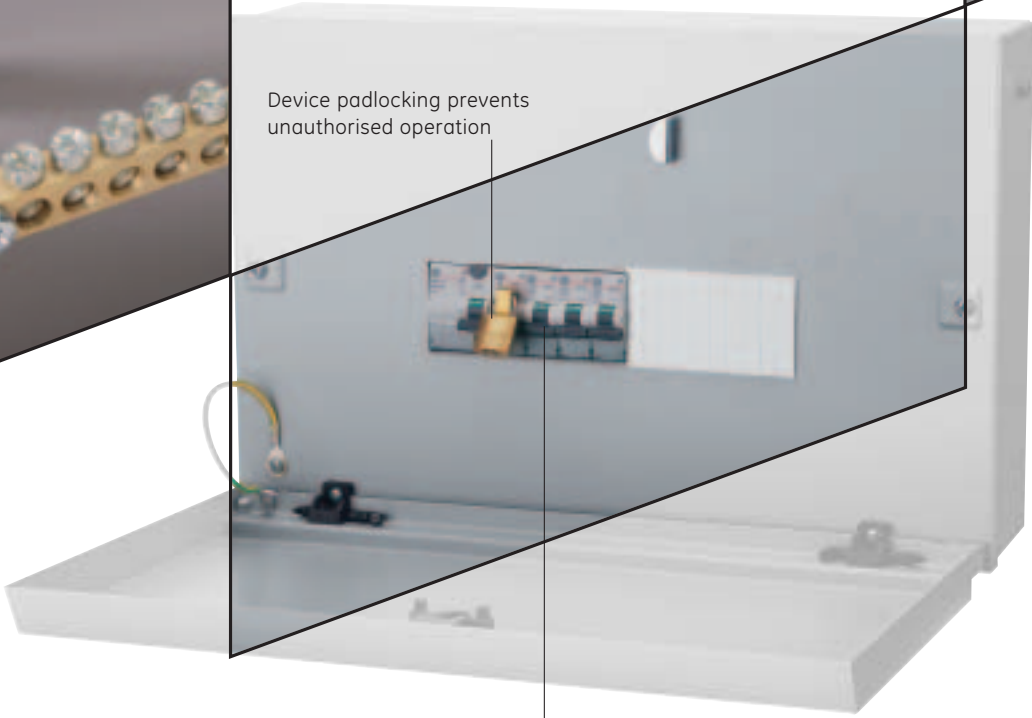
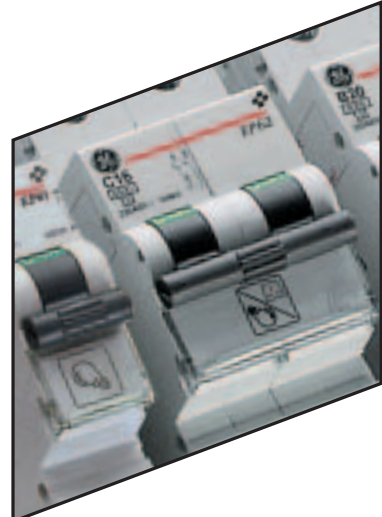
A

B

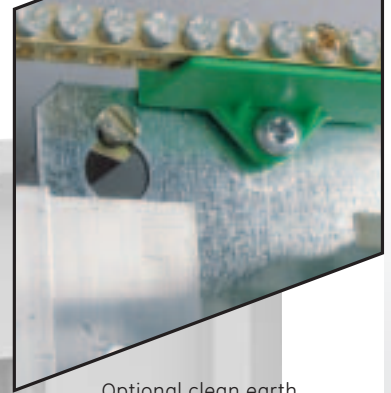
C

D

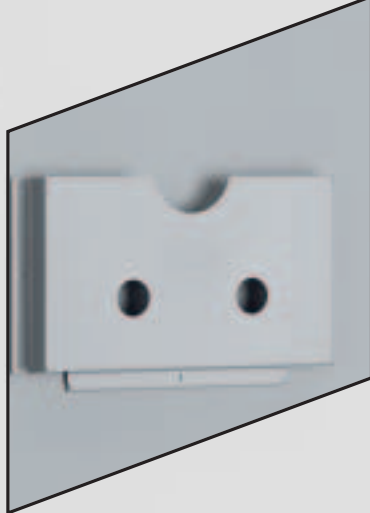
X



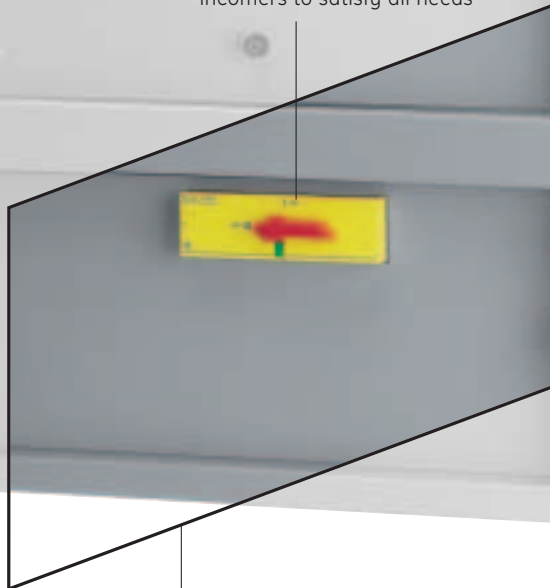
Accepts 6kA, 10kA and 25kA MCBs to suit all applications



Optional clean earth facility can be fitted for increased flexibility



Comprehensive range of incomers to satisfy all needs



Positive contact indication in accordance with regulatory requirements

Full door prevents unauthorised tampering

Advantages

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Just feel

- A.2 Type A - MCB distribution boards
- A.4 Type A - MCB distribution board accessories
- A.5 Dimensions

Quick selector guide - Advantages

Type A - MCB Distribution Board

Type B - MCB Distribution Board

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protected





Type A MCB Distribution Board

Modular 200 BSEN60439-3 and BS5486



Total safety



Complete



Time-saving features



High quality



Great design

Applications



Performance

| | |
|--------------------------------------|--|
| Incomer ratings | (A) 100 (main switch) 80 (RCD) |
| RCD sensitivity | (mA) 30 |
| Rated voltage | (V) 240 |
| Busbar rating | (A) 120 |
| Busbar short-circuit capacity | (kA) 16 |
| Terminal capacity | (mm ²) 50 (main switch/RCD) (mm ²) 25 (E+N terminal bars) |
| Enclosure colour | Light grey (RAL7035) |
| Ingress protection | IP40 |

Features

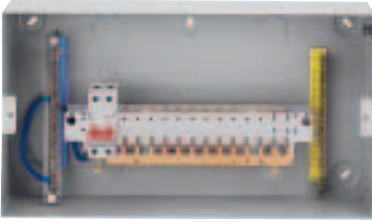
- Sturdy folded sheet steel construction
- Durable structured powder coated finish
- Matching light grey used throughout range
- Phase busbar rating 120A
- Incoming device cable terminal capacity 50mm²
- Terminal bar cable capacity 25mm²
- Shrouded neutral terminal bar
- Generous wiring room even using 1 module RCBO
- Comprehensive range of incomers
- Pre assembled ready to accept MCBs and RCBOs
- DIN enclosure option so you can “design it yourself”

- MCBs pg C.2
- RCBOs pg C.10
- Control and measurement devices pg D.2
- Accessories pg A.4



Type A MCB Distribution Board

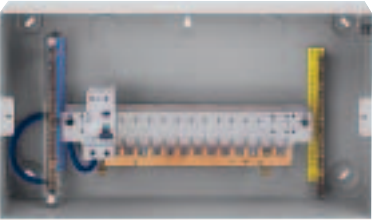
Main Switch – 2P 100A



MOD1DB130

| Order Code | Ref. No. | No of outgoing ways | Dimension Code | Terminal Capacity |
|------------|----------|---------------------|----------------|-------------------|
| MOD1DB60 | 617971 | 6 | A | 50mm ² |
| MOD1DB90 | 617972 | 9 | B | 50mm ² |
| MOD1DB130 | 617973 | 13 | C | 50mm ² |

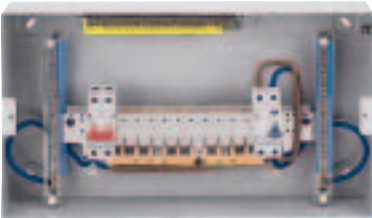
RCD – 2P 80A 30mA



MOD1DBA130

| | | | | |
|------------|--------|----|---|-------------------|
| MOD1DBA60 | 619974 | 6 | A | 50mm ² |
| MOD1DBA90 | 619975 | 9 | B | 50mm ² |
| MOD1DBA130 | 619976 | 13 | C | 50mm ² |

Split Load
2P 100A Main Switch, 2P 80A 30mA RCD



MOD1DB7A7

| | | | | |
|-----------|--------|----|---|-------------------|
| MOD1DB5A5 | 619977 | 10 | B | 50mm ² |
| MOD1DB6A4 | 619978 | 10 | B | 50mm ² |
| MOD1DB7A7 | 619979 | 14 | C | 50mm ² |


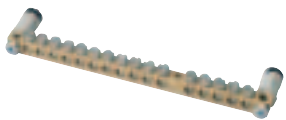
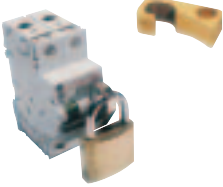
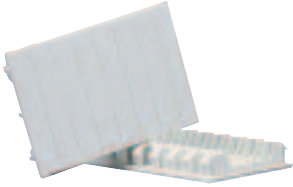

DIN Enclosure




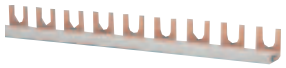


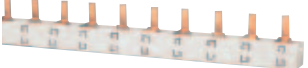

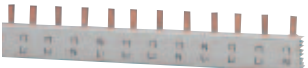


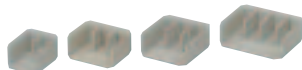
MOD1ADIN18

| | | | | |
|------------|--------|----|---|---|
| MOD1ADIN10 | 617957 | 10 | A | - |
| MOD1ADIN14 | 617958 | 14 | B | - |
| MOD1ADIN18 | 617959 | 18 | C | - |

Type A MCB Distribution Board Accessories

| | | | | | | | | | |
|---|--|----------------|--------|--|---|-----------------|--------|---|---|
|  | <p>Security</p> <table border="1"> <tr> <td>MOD2LCK</td> <td>610063</td> <td></td> </tr> </table> <p>Ronis security door lock supplied with two keys</p> | MOD2LCK | 610063 | | <p>Clean earth kit</p> <table border="1"> <tr> <td>MOD1ACEK</td> <td>617960</td> <td></td> </tr> </table> | MOD1ACEK | 617960 | |  |
| MOD2LCK | 610063 | | | | | | | | |
| MOD1ACEK | 617960 | | | | | | | | |
|  | <p>Safety</p> <table border="1"> <tr> <td>KS</td> <td>624929</td> <td></td> </tr> </table> <p>MCB padlocking bracket (padlocks not supplied)</p> | KS | 624929 | | <p>Blank plate</p> <table border="1"> <tr> <td>BLNK4</td> <td>610142</td> <td>4</td> </tr> </table> <p>4 module blank for unused ways can be cut to 1/2 module widths</p> | BLNK4 | 610142 | 4 |  |
| KS | 624929 | | | | | | | | |
| BLNK4 | 610142 | 4 | | | | | | | |
|  | <p>Busbar shroud</p> <table border="1"> <tr> <td>SHR3</td> <td>619018</td> <td></td> </tr> </table> <p>Busbar shroud 3 modules</p> | SHR3 | 619018 | | | | | | |
| SHR3 | 619018 | | | | | | | | |

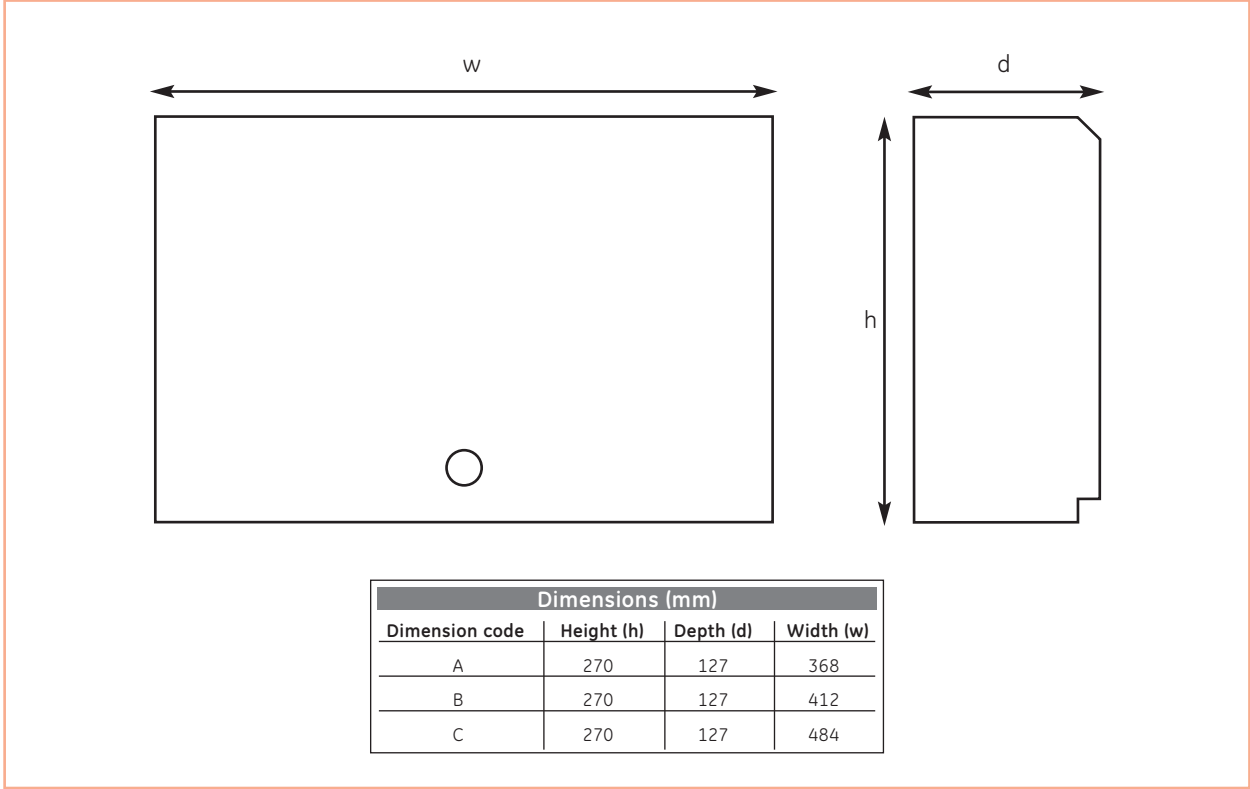
VBS Busbar System and Accessories (1)

| | | | | | | | | | | | | |
|---|--|---------------|--------|----|--|-------------------|--------|----|---|--------|----|---|
|  | <table border="1"> <tr> <td>BUS/3P</td> <td>644829</td> <td>10</td> </tr> </table> <p>1P pin busbar 56 x 1P</p> | BUS/3P | 644829 | 10 | <table border="1"> <tr> <td>BUS/3F</td> <td>644830</td> <td>10</td> </tr> </table> <p>1P fork busbar 56 x 1P</p> | BUS/3F | 644830 | 10 |  | | | |
| BUS/3P | 644829 | 10 | | | | | | | | | | |
| BUS/3F | 644830 | 10 | | | | | | | | | | |
|  | <table border="1"> <tr> <td>BUS/5P</td> <td>644840</td> <td>20</td> </tr> </table> <p>2P pin busbar 28 x 2P</p> | BUS/5P | 644840 | 20 | <table border="1"> <tr> <td>BUS/5F</td> <td>644841</td> <td>20</td> </tr> </table> <p>2P fork busbar 28 x 2P</p> | BUS/5F | 644841 | 20 |  | | | |
| BUS/5P | 644840 | 20 | | | | | | | | | | |
| BUS/5F | 644841 | 20 | | | | | | | | | | |
|  | <table border="1"> <tr> <td>BUS/7P</td> <td>644848</td> <td>20</td> </tr> </table> <p>3P pin busbar 19 x 3P</p> | BUS/7P | 644848 | 20 | <table border="1"> <tr> <td>BUS/7F</td> <td>644849</td> <td>20</td> </tr> </table> <p>3P fork busbar 19 x 3P</p> | BUS/7F | 644849 | 20 |  | | | |
| BUS/7P | 644848 | 20 | | | | | | | | | | |
| BUS/7F | 644849 | 20 | | | | | | | | | | |
|  | <table border="1"> <tr> <td>BUS/9P</td> <td>644853</td> <td>15</td> </tr> </table> <p>3P+N pin busbar 14 x 3P+N</p> | BUS/9P | 644853 | 15 | <table border="1"> <tr> <td>BUS/9F</td> <td>644854</td> <td>15</td> </tr> </table> <p>3P+N fork busbar 19 x 3P+N</p> | BUS/9F | 644854 | 15 |  | | | |
| BUS/9P | 644853 | 15 | | | | | | | | | | |
| BUS/9F | 644854 | 15 | | | | | | | | | | |
|  | <table border="1"> <tr> <td>BUS/SS</td> <td>624815</td> <td>10</td> </tr> </table> <p>Busbar shrouding strip for unused comb busbar 3 modules</p> | BUS/SS | 624815 | 10 | <table border="1"> <tr> <td>BUS/EC3-4P</td> <td>624817</td> <td>10</td> </tr> </table> <p>3P and 4P busbar end cap</p> <table border="1"> <tr> <td>BUS/EC2P</td> <td>624814</td> <td>10</td> </tr> </table> <p>2P busbar end cap</p> | BUS/EC3-4P | 624817 | 10 | BUS/EC2P | 624814 | 10 |  |
| BUS/SS | 624815 | 10 | | | | | | | | | | |
| BUS/EC3-4P | 624817 | 10 | | | | | | | | | | |
| BUS/EC2P | 624814 | 10 | | | | | | | | | | |

(1) VBS Busbar System is for use with Type A DIN enclosures, Type B modular device extension box.

Dimensional drawings

Modular 200 Type A



Just feel

- B.2 Type B - MCB distribution boards
- B.3 Integral incomer kits
- B.4 Extension incomer kits
- B.5 Type B - MCB distribution board accessories
- B.5 Dimensions

Quick selector guide - Advantages

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Type B - MCB Distribution Board

Protection Devices

Control and Measurement Devices

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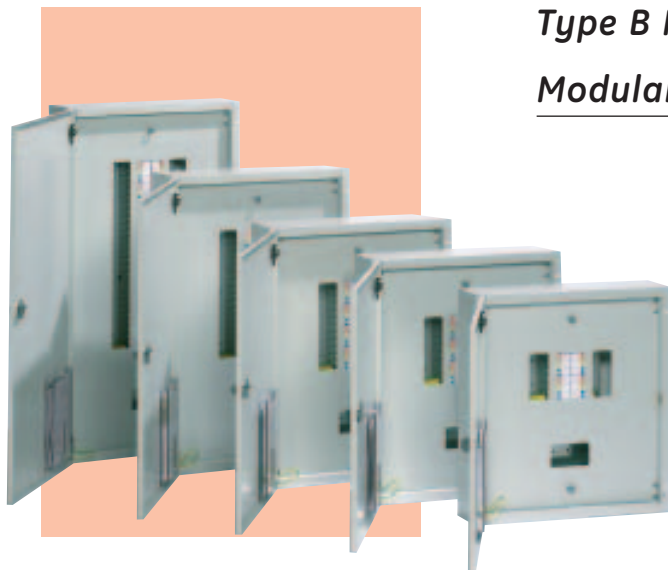
C

D

X

protected





Type B MCB Distribution Board

Modular 200 BSEN60439-3 and BS5486



Total safety



Complete



Time-saving features



High quality



Great design

Applications



Performance

| | |
|-------------------------------|-----------------------|
| Busbar rating | (A) 200 |
| Busbar short circuit capacity | (kA) 16 |
| Rated voltage | (V) 415 |
| E+N out terminal capacity | (mm ²) 25 |
| E+N incoming cable capacity | (mm ²) 70 |
| No of TP ways | 4, 6, 8, 12, 18, 24 |
| Ingress protection | IP40 |
| Enclosure colour | Light grey (RAL7035) |

Features

- Durable structured powder coated finish
- Matching light grey throughout the range
- All incomers benefit from positive contact indication
- Modular extension boxes to install modular control devices
- Pan assembly can be easily removed to ease installation
- One piece (no welds or rivets) phase busbar - NO hot spots!
- Ample space behind pan assembly aids wiring installation
- Split terminal bars to reduce wiring installation time
- Neutral disconnect as standard to aid speedy testing
- Doors can be removed to ease installation
- Sturdy folded sheet steel construction
- Accepts 6kA, 10kA and 25kA MCB's
- Generous wiring room even when using 1 module RCBO

- MCBs pg C.2
- RCBOs pg C.10
- Control and measurement devices pg D.2
- Accessories pg B.5



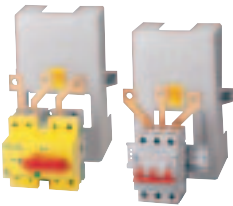
Type B MCB Distribution Board

| | Order Code | Ref. No. | No of TP Ways | Dimension Code | Busbar Rating |
|--------------|------------|----------|---------------|----------------|---------------|
| Boards | MOD2DB40 | 619100 | 4 | A | 200A |
| | MOD2DB60 | 619101 | 6 | B | 200A |
| | MOD2DB80 | 619102 | 8 | C | 200A |
| | MOD2DB120 | 619103 | 12 | D | 200A |
| | MOD2DB180 | 619104 | 18 | E | 200A |
| | MOD2DB240 | 619122 | 24 | F | 200A |
| Pan assembly | MOD2PA40 | 619177 | 4 | - | 200A |
| | MOD2PA60 | 619178 | 6 | - | 200A |
| | MOD2PA80 | 619179 | 8 | - | 200A |
| | MOD2PA120 | 619180 | 12 | - | 200A |
| | MOD2PA180 | 619181 | 18 | - | 200A |
| | MOD2PA240 | 619192 | 24 | - | 200A |



Integral Incomer Kits

| | Order Codes | Ref. no. | Rating | Description | Poles | Terminal Capacity |
|-----------------------|--------------|----------|--------|-----------------------------|-------|-------------------|
| Switch Disconnectors | MOD2ISO3 | 619111 | 100A | Switch disconnector | 3 | 50mm ² |
| | MOD2DIL125 | 619114 | 125A | Switch disconnector | 3 | 50mm ² |
| | MOD2DIL125/4 | 619124 | 125A | Switch disconnector | 4 | 50mm ² |
| RCD Main Switch | MOD2RCDA | 619119 | 100A | 30mA RCD | 4 | 50mm ² |
| | MOD2RCDB | 619112 | 100A | 100mA RCD | 4 | 50mm ² |
| | MOD2RCDC | 619113 | 100A | 300mA RCD | 4 | 50mm ² |
| | MOD2RCDBTD | 619120 | 100A | 100mA time delayed RCD | 4 | 50mm ² |
| MCB Main Switch | MOD2MCB63 | 619605 | 63A | MCB main switch | 3 | 35mm ² |
| | MOD2MCB100 | 619606 | 100A | MCB main switch | 3 | 70mm ² |
| Direct Connection Kit | MOD2DC | 619115 | 200A | Direct connection kit | 3 | 95mm ² |
| Single Phase Kit | MOD2SPK1 | 618300 | 100A | Single phase conversion kit | 1P+N | 50mm ² |



Intro

A

B

C

D

X

Add-on Incomer Extension Kits



| Order Codes | Ref. no. | Rating | Description | Poles | Terminal Capacity | | Dimension code |
|-------------|----------|--------|---------------------|-------|-------------------|--------------------|----------------|
| | | | | | Standard palm | Narrow palm | |
| MOD2DIL200 | 619110 | 200A | Switch disconnecter | 4 | 70mm ² | 150mm ² | G |
| MOD2MC200NA | 619107 | 200A | MCCB non auto | 3 | 70mm ² | 150mm ² | H |
| MOD2MC200A | 619109 | 200A | TP automatic MCCB | 3 | 70mm ² | 150mm ² | H |
| MOD2MCRCD | 619108 | 200A | TP MCCB with RCD | 4 | 70mm ² | 150mm ² | H |

For increased terminal capacity narrow palm lugs must be used in conjunction with MOD2SB1.

Add-on Extension Modules



| Order Codes | Ref. no. | Description | Dimension code |
|-------------|----------|----------------------------------|----------------|
| MOD218D | 619105 | 18 module modular devices | G |
| MOD2SB1 | 619106 | Modular spreader box | G |
| MOD2HDGP | 619116 | Heavy duty gland plate 2mm thick | - |

Type B MCB Distribution Board Accessories



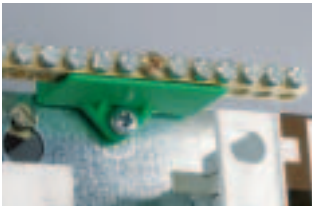
| Busbar shroud | | |
|--|--------|----|
| SHR3 | 619018 | 10 |
| 3 module busbar shroud for unused ways preformed in 1 module widths. | | |

| Security | | |
|---|--------|---|
| MOD2LOCK | 610063 | 1 |
| Ronis security door lock supplied with two keys | | |



| Blank plate | | |
|--|--------|---|
| BLNK4 | 610142 | 4 |
| 4 module blank for unused ways can be cut to 1/2 module widths | | |

| Safety | | |
|--|--------|---|
| KS | 624929 | 2 |
| MCB padlocking bracket (padlocks not supplied) | | |

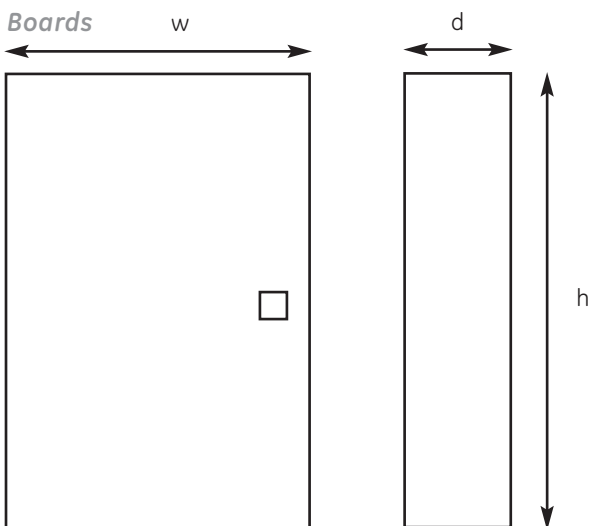


| Clean earth facility | | |
|---|--------|---|
| | 619118 | 1 |
| can be fitted for increased flexibility | | |

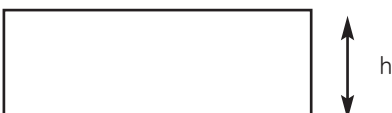


Dimensional drawings

Modular 200 Type B



Extension Incomers and Enclosures



| Dimensions (mm) | | | |
|-----------------|------------|-----------|-----------|
| Dimension code | Height (h) | Depth (d) | Width (w) |
| A | 534 | 135 | 500 |
| B | 588 | 135 | 500 |
| C | 642 | 135 | 500 |
| D | 750 | 135 | 500 |
| E | 912 | 135 | 500 |
| F | 1136 | 135 | 500 |
| G | 250 | 135 | 500 |
| H | 500 | 135 | 500 |
| I | 250 | 135 | 500 |

Intro

A

B

C

D

X



Just feel

- C.2 MCB's - **G100** (10kA) 0.5-63A
- C.4 MCB's - **Series EP100** (10kA) 0.5-63A
- C.6 MCB's - **Series EP250** (25kA) 0.5-63A
- C.8 MCB's - **Series Hti** (10kA) 80-125A
- C.10 RCBO's - 1 module **Series DPE** (10kA) 6-40A
- C.10 RCBO's - 2 module **Series DPT** (10kA) 6-40A
- C.12 RCBO's - **Series DME100** (10kA) 6-40A
- C.14 Add-on devices

Quick selector guide - Advantages

Type A - MCB Distribution Board

Type B - MCB Distribution Board

Protection Devices

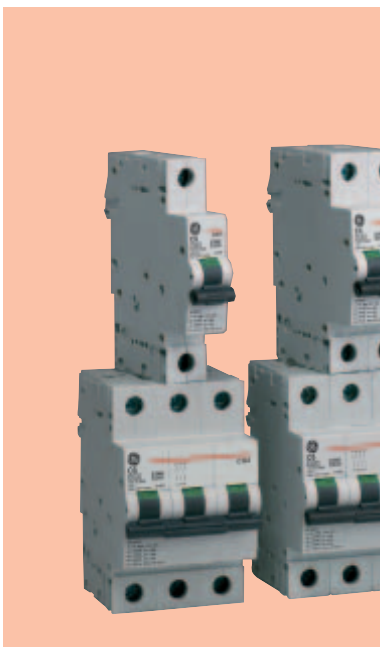
Control and Measurement Devices

Numerical Index

protected



- Intro
- A
- B
- C**
- D
- X



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.

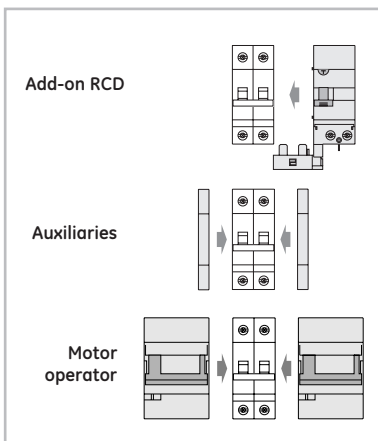
Applications



Approval / Marking



Add-on devices



Performances

| | | |
|--|--------------------|-----------------|
| Thermal setting I_n | (A) | 0.5-63 |
| Rated voltage AC U_n | (V) | 240/415 |
| Minimum operating voltage U_{B 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 ²) | 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)* |
|-------|---------|-----------------------|
| 1-4 | 230/400 | 10 |

*I_{cs} = 75% I_{cu}

AC acc. to EN/IEC 60947-2

| Poles | V | I _{cu} (kA)* |
|--------|-----|-----------------------|
| 1 | 240 | 15 |
| 1+N, 2 | 127 | 40 |
| | 240 | 30 |
| 2 | 415 | 15 |
| 3, 4 | 240 | 30 |
| | 415 | 15 |

*I_{cs} = 50% I_{cu}

DC acc. to EN/IEC 60947-2

| Poles | V $\overline{\text{---}}$ | I _{cu} /I _{cs} (kA) |
|-------|---------------------------|---------------------------------------|
| 1 | 60 | 25 |
| 2 | 125 | 30 |

Add-on devices

- Auxiliary contacts ● pg C.14
- Shunt trip ● pg C.14
- Undervoltage release ● pg C.14
- Motor operator ● pg C.14



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



1P
1 mod.



| In (A) | B | | C | | D | | Pack. |
|--------|-------------|----------|-------------|----------|-------------|----------|-------|
| | Order Codes | Ref. No. | Order Codes | Ref. No. | Order Codes | Ref. No. | |
| 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 |



1P+N
2 mod.



| | | | | | | | |
|-----|----------|--------|----------|--------|-----------|--------|---|
| 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 |



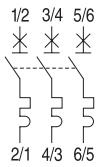
2P
2 mod.



| | | | | | | | |
|-----|---------|--------|----------|--------|----------|--------|---|
| 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 |



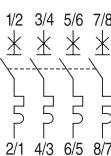
3P
3 mod.



| | | | | | | | |
|-----|---------|--------|----------|--------|----------|--------|---|
| 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 |



4P
4 mod.



| | | | | | | | |
|-----|---------|--------|----------|--------|----------|--------|---|
| 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 |





Miniature Circuit Breakers

EP100

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

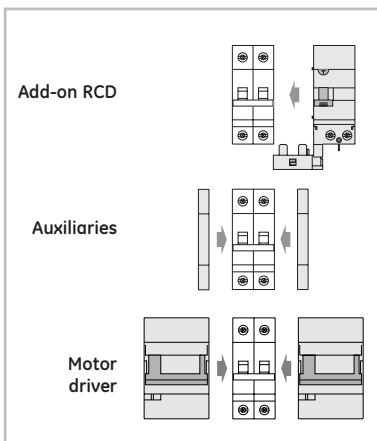
Applications



Approvals



Add-on devices



Performance

| | | |
|--|--------------------|-----------------|
| Rated current I_n | (A) | 0.5 - 63 |
| Rated voltage AC U_n | (V) | 240/415 |
| Minimum operating voltage $U_{B \min}$ | (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 ²) | 25-35 |
| Poles | | 1, 1+N, 2, 3, 4 |
| Weight | (g/pole) | 125 |

Short-circuit capacity

AC acc. to BS EN/IEC 60898-1

| Poles | V | I_{cn}/I_{cs} (kA) ⁽¹⁾ |
|-------|---------|-------------------------------------|
| 1-4 | 240/415 | 10 |

AC acc. to BS EN/IEC 60947-2

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

DC acc. to BS EN/IEC 60947-2

| Poles | VDC | I_{cu} (kA)/ I_{cs} (kA) |
|-------|-----|------------------------------|
| 1 | 60 | 25 |
| 2 | 125 | 30 |

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






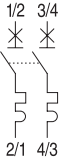

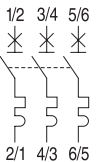

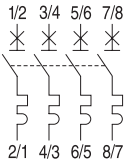
(2) $I_{cs} = 50\% I_{cu}$

Add-on devices

- Auxiliary contacts ● pg C.14
- Shunt trip ● pg C.14
- Undervoltage release ● pg C.14
- Motor operator ● pg C.14

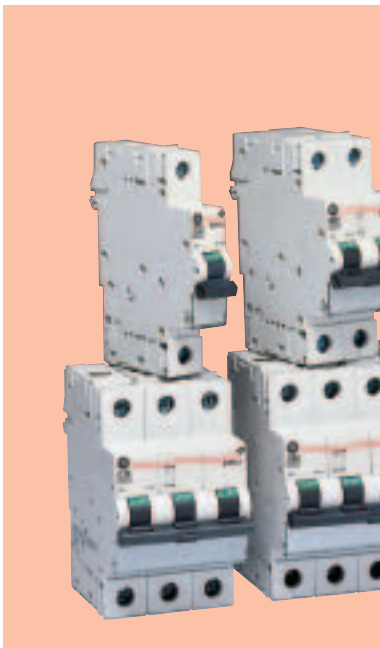


Series EP100 - 10kA - characteristics B-C-D

| | In (A) | B | | C | | D | | Pack. |
|---|--------|-------------|----------|--------------------------|----------|-------------|----------|-------|
| | | Order Codes | Ref. No. | Order Codes | Ref. No. | Order Codes | Ref. No. | |
|  <p>1P 1 mod.</p> <p>1/2</p>  | 0.5 | - | - | EP101 C0.5 | 672242 | EP101 D0.5 | 566766 | 12 |
| | 1 | - | - | EP101 C01 | 672243 | EP101 D01 | 566767 | 12 |
| | 2 | - | - | EP101 C02 | 672244 | EP101 D02 | 566768 | 12 |
| | 3 | - | - | EP101 C03 | 672245 | EP101 D03 | 566769 | 12 |
| | 4 | - | - | EP101 C04 | 672246 | EP101 D04 | 566770 | 12 |
| | 6 | EP101 B06 | 672327 | EP101 C06 ⁽¹⁾ | 674283 | EP101 D06 | 566771 | 12 |
| | 10 | EP101 B10 | 672329 | EP101 C10 ⁽¹⁾ | 674284 | EP101 D10 | 566772 | 12 |
| | 16 | EP101 B16 | 672331 | EP101 C16 ⁽¹⁾ | 674285 | EP101 D16 | 566774 | 12 |
| | 20 | EP101 B20 | 672332 | EP101 C20 ⁽¹⁾ | 674286 | EP101 D20 | 566775 | 12 |
| | 25 | EP101 B25 | 672333 | EP101 C25 ⁽¹⁾ | 674287 | EP101 D25 | 566776 | 12 |
| | 32 | EP101 B32 | 672334 | EP101 C32 ⁽¹⁾ | 674288 | EP101 D32 | 566777 | 12 |
| | 40 | EP101 B40 | 672335 | EP101 C40 ⁽¹⁾ | 674289 | EP101 D40 | 566778 | 12 |
| | 50 | EP101 B50 | 672336 | EP101 C50 ⁽¹⁾ | 674290 | EP101 D50 | 566779 | 12 |
| | 63 | EP101 B63 | 672337 | EP101 C63 ⁽¹⁾ | 674291 | EP101 D63 | 566780 | 12 |
|  <p>1P+N 2 mod.</p> <p>1/2 N</p>  | 0.5 | - | - | EP101N C0.5 | 672258 | - | - | 6 |
| | 1 | - | - | EP101N C01 | 672259 | - | - | 6 |
| | 2 | - | - | EP101N C02 | 672260 | - | - | 6 |
| | 3 | - | - | EP101N C03 | 672261 | - | - | 6 |
| | 4 | - | - | EP101N C04 | 672262 | - | - | 6 |
| | 6 | - | - | EP101N C06 | 672263 | - | - | 6 |
| | 10 | - | - | EP101N C10 | 672265 | - | - | 6 |
| | 16 | - | - | EP101N C16 | 672267 | - | - | 6 |
| | 20 | - | - | EP101N C20 | 672268 | - | - | 6 |
| | 25 | - | - | EP101N C25 | 672269 | - | - | 6 |
| | 32 | - | - | EP101N C32 | 672270 | - | - | 6 |
| | 40 | - | - | EP101N C40 | 672271 | - | - | 6 |
| | 50 | - | - | EP101N C50 | 672272 | - | - | 6 |
| | 63 | - | - | EP101N C63 | 672273 | - | - | 6 |
|  <p>2P 2 mod.</p> <p>1/2 3/4</p>  | 0.5 | - | - | EP102 C0.5 | 672274 | EP102 D0.5 | 566806 | 6 |
| | 1 | - | - | EP102 C01 | 672275 | EP102 D01 | 566807 | 6 |
| | 2 | - | - | EP102 C02 | 672276 | EP102 D02 | 566808 | 6 |
| | 3 | - | - | EP102 C03 | 672277 | EP102 D03 | 566809 | 6 |
| | 4 | - | - | EP102 C04 | 672278 | EP102 D04 | 566810 | 6 |
| | 6 | EP102 B06 | 672359 | EP102 C06 | 672279 | EP102 D06 | 566811 | 6 |
| | 10 | EP102 B10 | 672361 | EP102 C10 | 672281 | EP102 D10 | 566812 | 6 |
| | 16 | EP102 B16 | 672363 | EP102 C16 | 672283 | EP102 D16 | 566814 | 6 |
| | 20 | EP102 B20 | 672364 | EP102 C20 | 672284 | EP102 D20 | 566815 | 6 |
| | 25 | EP102 B25 | 672365 | EP102 C25 | 672285 | EP102 D25 | 566816 | 6 |
| | 32 | EP102 B32 | 672366 | EP102 C32 | 672286 | EP102 D32 | 566817 | 6 |
| | 40 | EP102 B40 | 672367 | EP102 C40 | 672287 | EP102 D40 | 566818 | 6 |
| | 50 | EP102 B50 | 672368 | EP102 C50 | 672288 | EP102 D50 | 566819 | 6 |
| | 63 | EP102 B63 | 672369 | EP102 C63 | 672289 | EP102 D63 | 566820 | 6 |
|  <p>3P 3 mod.</p> <p>1/2 3/4 5/6</p>  | 0.5 | - | - | EP103 C0.5 | 672290 | EP103 D0.5 | 566846 | 4 |
| | 1 | - | - | EP103 C01 | 672291 | EP103 D01 | 566847 | 4 |
| | 2 | - | - | EP103 C02 | 672292 | EP103 D02 | 566848 | 4 |
| | 3 | - | - | EP103 C03 | 672293 | EP103 D03 | 566849 | 4 |
| | 4 | - | - | EP103 C04 | 672294 | EP103 D04 | 566850 | 4 |
| | 6 | EP103 B06 | 672375 | EP103 C06 ⁽²⁾ | 674292 | EP103 D06 | 566851 | 4 |
| | 10 | EP103 B10 | 672377 | EP103 C10 ⁽²⁾ | 674293 | EP103 D10 | 566852 | 4 |
| | 16 | EP103 B16 | 672379 | EP103 C16 ⁽²⁾ | 674294 | EP103 D16 | 566854 | 4 |
| | 20 | EP103 B20 | 672380 | EP103 C20 ⁽²⁾ | 674295 | EP103 D20 | 566855 | 4 |
| | 25 | EP103 B25 | 672381 | EP103 C25 ⁽²⁾ | 674296 | EP103 D25 | 566856 | 4 |
| | 32 | EP103 B32 | 672382 | EP103 C32 ⁽²⁾ | 674297 | EP103 D32 | 566857 | 4 |
| | 40 | EP103 B40 | 672383 | EP103 C40 ⁽²⁾ | 674298 | EP103 D40 | 566858 | 4 |
| | 50 | EP103 B50 | 672384 | EP103 C50 ⁽²⁾ | 674299 | EP103 D50 | 566859 | 4 |
| | 63 | EP103 B63 | 672385 | EP103 C63 ⁽²⁾ | 674300 | EP103 D63 | 566860 | 4 |
|  <p>4P 4 mod.</p> <p>1/2 3/4 5/6 7/8</p>  | 0.5 | - | - | EP104 C0.5 | 672306 | EP104 D0.5 | 566886 | 3 |
| | 1 | - | - | EP104 C01 | 672307 | EP104 D01 | 566887 | 3 |
| | 2 | - | - | EP104 C02 | 672308 | EP104 D02 | 566888 | 3 |
| | 3 | - | - | EP104 C03 | 672309 | EP104 D03 | 566889 | 3 |
| | 4 | - | - | EP104 C04 | 672310 | EP104 D04 | 566890 | 3 |
| | 6 | EP104 B06 | 672391 | EP104 C06 | 672311 | EP104 D06 | 566891 | 3 |
| | 10 | EP104 B10 | 672393 | EP104 C10 | 672313 | EP104 D10 | 566892 | 3 |
| | 16 | EP104 B16 | 672395 | EP104 C16 | 672315 | EP104 D16 | 566894 | 3 |
| | 20 | EP104 B20 | 672396 | EP104 C20 | 672316 | EP104 D20 | 566895 | 3 |
| | 25 | EP104 B25 | 672397 | EP104 C25 | 672317 | EP104 D25 | 566896 | 3 |
| | 32 | EP104 B32 | 672398 | EP104 C32 | 672318 | EP104 D32 | 566897 | 3 |
| | 40 | EP104 B40 | 672399 | EP104 C40 | 672319 | EP104 D40 | 566898 | 3 |
| | 50 | EP104 B50 | 672400 | EP104 C50 | 672320 | EP104 D50 | 566899 | 3 |
| | 63 | EP104 B63 | 672401 | EP104 C63 | 672321 | EP104 D63 | 566900 | 3 |

(1) Pack 12
(1) Pack 4





Miniature Circuit Breakers

EP250

| | |
|--------------------------|--------------|
| BS EN/IEC 60947-2 | 50 kA |
| | 25 kA |
| | 20 kA |
| | 15 kA |

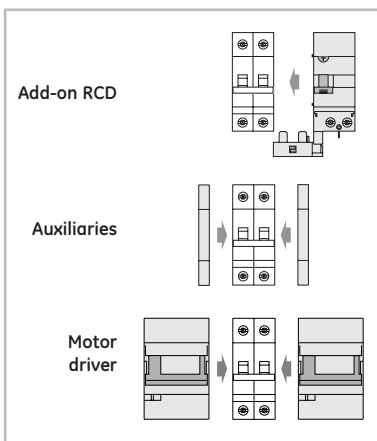
Applications



Marking



Add-on devices



Performance

| | | |
|--|--------------------|---------------|
| Rated current I_n | (A) | 0.5 -63 |
| Rated voltage AC U_n | (V) | 240/415 |
| Minimum operating voltage U_{Bmin} | (V) | 12 |
| Tripping characteristics | | B-C |
| Mechanical/electrical endurance | | 20000/10000 |
| Tropicalisation acc. to EN/IEC 60068-2 | | 95%RH at 55°C |
| Terminal capacity flexible/rigid cable | (mm ²) | 25-35 |
| Poles | | 1, 2, 3, 4 |
| Weight | (g/pole) | 125 |

Short-circuit capacity

Acc. to BS EN/IEC 60947-2

| I_n (A) | Poles | V | I_{cu} (kA) ⁽¹⁾ |
|-----------|-------|-----|------------------------------|
| 0.5 to 4 | 1 | 240 | 50 |
| | 2-4 | 240 | 50 |
| | | 415 | 50 |
| 6 to 25 | 1 | 240 | 25 |
| | 2-4 | 240 | 50 |
| | | 415 | 25 |
| 32 to 40 | 1 | 240 | 20 |
| | 2-4 | 240 | 40 |
| | | 415 | 20 |
| 50 to 63 | 1 | 240 | 15 |
| | 2-4 | 240 | 30 |
| | | 415 | 15 |

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

Add-on devices

- Auxiliary contacts ● pg C.14
- Shunt trip ● pg C.14
- Undervoltage release ● pg C.14
- Motor operator ● pg C.14

Series EP250 - 25kA - characteristics B-C



1P
1 mod.



| In (A) | 3-5 In (B) | | 5-10 In (C) | | Pack. |
|--------|-------------|----------|-------------|----------|-------|
| | Order Codes | Ref. No. | Order Codes | Ref. No. | |
| 0.5 | - | - | EP251 C0.5 | 667641 | 12 |
| 1 | - | - | EP251 C01 | 667642 | 12 |
| 2 | - | - | EP251 C02 | 667643 | 12 |
| 4 | - | - | EP251 C04 | 667645 | 12 |
| 6 | EP251 B06 | 667710 | EP251 C06 | 667646 | 12 |
| 10 | EP251 B10 | 667712 | EP251 C10 | 667648 | 12 |
| 16 | EP251 B16 | 667714 | EP251 C16 | 667650 | 12 |
| 20 | EP251 B20 | 667715 | EP251 C20 | 667651 | 12 |
| 25 | EP251 B25 | 667716 | EP251 C25 | 667652 | 12 |
| 32 | EP251 B32 | 667717 | EP251 C32 | 667653 | 12 |
| 40 | EP251 B40 | 667718 | EP251 C40 | 667654 | 12 |
| 50 | EP251 B50 | 667719 | EP251 C50 | 667655 | 12 |
| 63 | EP251 B63 | 667720 | EP251 C63 | 667656 | 12 |



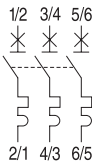
2P
2 mod.



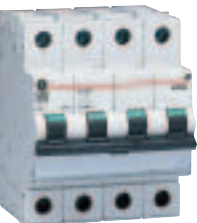
| | | | | | |
|-----|-----------|--------|------------|--------|---|
| 0.5 | - | - | EP252 C0.5 | 667657 | 6 |
| 1 | - | - | EP252 C01 | 667658 | 6 |
| 2 | - | - | EP252 C02 | 667659 | 6 |
| 4 | - | - | EP252 C04 | 667661 | 6 |
| 6 | EP252 B06 | 667726 | EP252 C06 | 667662 | 6 |
| 10 | EP252 B10 | 667728 | EP252 C10 | 667664 | 6 |
| 16 | EP252 B16 | 667730 | EP252 C16 | 667666 | 6 |
| 20 | EP252 B20 | 667731 | EP252 C20 | 667667 | 6 |
| 25 | EP252 B25 | 667732 | EP252 C25 | 667668 | 6 |
| 32 | EP252 B32 | 667733 | EP252 C32 | 667669 | 6 |
| 40 | EP252 B40 | 667734 | EP252 C40 | 667670 | 6 |
| 50 | EP252 B50 | 667735 | EP252 C50 | 667671 | 6 |
| 63 | EP252 B63 | 667736 | EP252 C63 | 667672 | 6 |



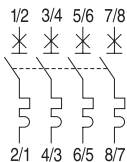
3P
3 mod.



| | | | | | |
|-----|-----------|--------|------------|--------|---|
| 0.5 | - | - | EP253 C0.5 | 667673 | 4 |
| 1 | - | - | EP253 C01 | 667674 | 4 |
| 2 | - | - | EP253 C02 | 667675 | 4 |
| 4 | - | - | EP253 C04 | 667677 | 4 |
| 6 | EP253 B06 | 667742 | EP253 C06 | 667678 | 4 |
| 10 | EP253 B10 | 667744 | EP253 C10 | 667680 | 4 |
| 16 | EP253 B16 | 667746 | EP253 C16 | 667682 | 4 |
| 20 | EP253 B20 | 667747 | EP253 C20 | 667683 | 4 |
| 25 | EP253 B25 | 667748 | EP253 C25 | 667684 | 4 |
| 32 | EP253 B32 | 667749 | EP253 C32 | 667685 | 4 |
| 40 | EP253 B40 | 667750 | EP253 C40 | 667686 | 4 |
| 50 | EP253 B50 | 667751 | EP253 C50 | 667687 | 4 |
| 63 | EP253 B63 | 667752 | EP253 C63 | 667688 | 4 |



4P
4 mod.



| | | | | | |
|-----|-----------|--------|------------|--------|---|
| 0.5 | - | - | EP254 C0.5 | 667689 | 3 |
| 1 | - | - | EP254 C01 | 667690 | 3 |
| 2 | - | - | EP254 C02 | 667691 | 3 |
| 4 | - | - | EP254 C04 | 667693 | 3 |
| 6 | EP254 B06 | 667758 | EP254 C06 | 667694 | 3 |
| 10 | EP254 B10 | 667760 | EP254 C10 | 667696 | 3 |
| 16 | EP254 B16 | 667762 | EP254 C16 | 667698 | 3 |
| 20 | EP254 B20 | 667763 | EP254 C20 | 667699 | 3 |
| 25 | EP254 B25 | 667764 | EP254 C25 | 667700 | 3 |
| 32 | EP254 B32 | 667765 | EP254 C32 | 667701 | 3 |
| 40 | EP254 B40 | 667766 | EP254 C40 | 667702 | 3 |
| 50 | EP254 B50 | 667767 | EP254 C50 | 667703 | 3 |
| 63 | EP254 B63 | 667768 | EP254 C63 | 667704 | 3 |

EP250

Intro

A

B

C

D

X





Miniature Circuit Breakers

Series Hti

BS EN/IEC 60947-2 10 kA

Applications



Marking



Performance

| | | |
|--|--------------------|------------------|
| Rated current I_n | (A) | 80-100-125 |
| Rated voltage AC U_n | (V) | 230/400 |
| Tripping characteristics | | 3-5 I_n (B) |
| | | 5-10 I_n (C) |
| | | 10-20 I_n (D) |
| Mechanical/electrical endurance | | 10000/4000 |
| Operating temperature | (°C) | -25°C up to 55°C |
| Terminal capacity flexible/rigid cable | (mm ²) | 70 |
| Poles | | 1, 2, 3, 4 |
| Weight | (g/pole) | 210 |

Short-circuit capacity

AC acc. to EN/IEC60947-2 (B, C)




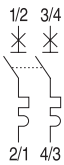

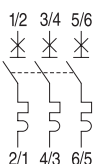
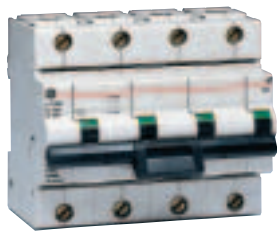
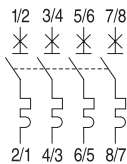
| Poles | V | I_{cu} (kA) ⁽¹⁾ |
|-------|---------|------------------------------|
| 1 | 230/240 | 10 ⁽²⁾ |
| 2 | 230 | 15 ⁽²⁾ |
| 3, 4 | 230 | 15 ⁽³⁾ |
| 3, 4 | 400 | 10 ⁽²⁾ |

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

When fitting Hti MCB's, a modular device extension box MOD218D (page B.4) must be used.



Series Hti - 10kA - characteristics B-C-D

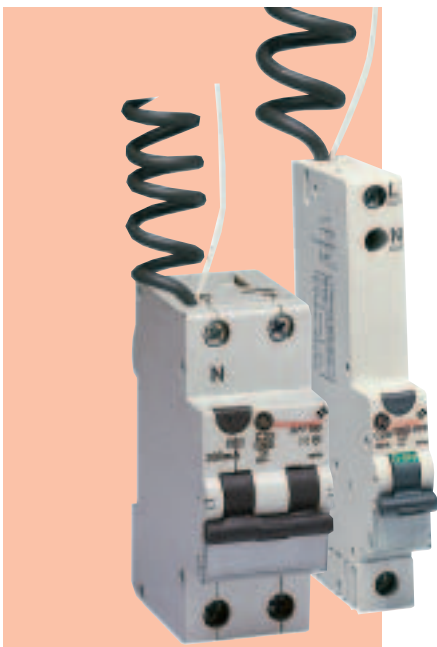
| | In (A) | 3-5 In (B) | | 5-10 In (C) | | 10-20 In (D) | | Pack. |
|---|--------|--------------|----------|--------------|----------|--------------|----------|-------|
| | | Order Codes | Ref. No. | Order Codes | Ref. No. | Order Codes | Ref. No. | |
|  <p>1P 1.5 mod.</p>  | 80 | Hti 101 B080 | 671504 | Hti 101 C080 | 671528 | Hti 101 D080 | 671552 | 8 |
| | 100 | Hti 101 B100 | 671505 | Hti 101 C100 | 671529 | Hti 101 D100 | 671553 | 1 |
| | 125 | Hti 101 B125 | 671506 | Hti 101 C125 | 671530 | Hti 101 D125 | 671554 | 1 |
|  <p>2P 3 mod.</p>  | 80 | Hti 102 B080 | 671510 | Hti 102 C080 | 671534 | Hti 102 D080 | 671558 | 4 |
| | 100 | Hti 102 B100 | 671511 | Hti 102 C100 | 671535 | Hti 102 D100 | 671559 | 1 |
| | 125 | Hti 102 B125 | 671512 | Hti 102 C125 | 671536 | Hti 102 D125 | 671560 | 1 |
|  <p>3P 4.5 mod.</p>  | 80 | Hti 103 B080 | 671516 | Hti 103 C080 | 671540 | Hti 103 D080 | 671564 | 1 |
| | 100 | Hti 103 B100 | 671517 | Hti 103 C100 | 671541 | Hti 103 D100 | 671565 | 1 |
| | 125 | Hti 103 B125 | 671518 | Hti 103 C125 | 671542 | Hti 103 D125 | 671566 | 1 |
|  <p>4P 6 mod.</p>  | 80 | Hti 104 B080 | 671522 | Hti 104 C080 | 671546 | Hti 104 D080 | 671570 | 1 |
| | 100 | Hti 104 B100 | 671523 | Hti 104 C100 | 671547 | Hti 104 D100 | 671571 | 1 |
| | 125 | Hti 104 B125 | 671524 | Hti 104 C125 | 671548 | Hti 104 D125 | 671572 | 1 |



For information regarding add-on RCD's, see ElfaPlus Commercial or Commercial/Technical catalogue.



- Intro
- A
- B
- C**
- D
- X



RCBO's - Residual Current Breakers with Overcurrent

DPE100 & DPT100

| | |
|--------------------------|--------------|
| BS EN/IEC 61009-1 | 10000 |
| | 3 |
| Type AC | |

Applications

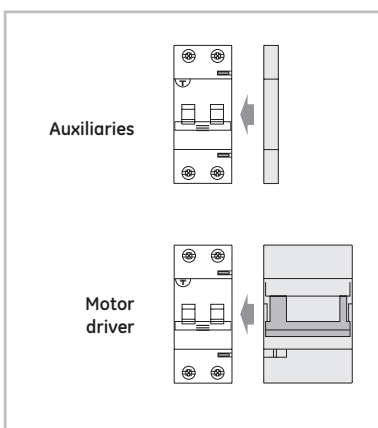


For use in consumer units and distribution boards.

Marking



DPT - Add-on devices



- Auxiliary contacts ● pg C.14
- Shunt trip ● pg C.14
- Undervoltage release ● pg C.14
- Motor operator ● pg C.14
- Modular 200 type A ● chap. A
- Modular 200 type B ● chap. B

Performance

| | |
|---|---|
| Rated current I_n | (A) 6, 10, 16, 20, 25, 32, 40 |
| Sensitivity I_{Δn} | (mA) 10, 30 |
| Tripping characteristic | B, C |
| Rated voltage AC U_n | (V) 240 |
| Minimum op voltage U_{Bmin} | (V) 100 |
| Mechanical/electrical endurance | 20000/10000 |
| Tropicalisation acc. to EN/IEC 60068-2-28/2-30 | 95% RH at 55°C |
| Terminal capacity flexible/rigid cable | (mm ²) Bottom terminal: 16-25 |
| Poles | 1P+N |
| Nuisance tripping resistance | 250A 8/20μs; (2mod) 200A 0.5μs - 100kHz |
| Ambient temperature | (°C) -5 upto 55 (1mod) (°C) -25 upto 40 (2mod) |
| Weight | (g) 350 (1mod) (g) 300 (2mod) |
| Neutral flying lead | (mm) 580 |

Short-circuit capacity DPE - 1 Module

According to EN/IEC 61009-1

| | |
|--|----------------------------------|
| Residual making and breaking capacity | I _{Δm} = 10000A |
| Short-circuit capacity | I _{cn} = 10000A at 230V |
| Selectivity class | 3 |

The white earth reference cable in the DPE RCBO ensures protection against earth leakage in case loss of supply neutral

Short-circuit capacity DPT - 2 Module

According to BS EN/IEC 61009-1 and BS EN/IEC 60898-1

| | |
|--|----------------------------------|
| Making and breaking capacity | I _m = 500A |
| Residual making and breaking capacity | I _{Δm} = 7500A |
| Short-circuit capacity | I _{cn} = 10000A at 230V |
| Selectivity class | 3 |



DPE100 - Type AC - 10kA  - characteristic B

| In (A) | 10mA | | 30mA | | Pack. | |
|--------|-------------|----------------|-------------|----------------|--------|---|
| | Order Codes | Ref. No. | Order Codes | Ref. No. | | |
| 1P+N | 6 | DPE 100B06/010 | 605000 | DPE 100B06/030 | 605007 | 1 |
| | 10 | DPE 100B10/010 | 605001 | DPE 100B10/030 | 605008 | 1 |
| | 16 | DPE 100B16/010 | 605002 | DPE 100B16/030 | 605009 | 1 |
| | 20 | DPE 100B20/010 | 605003 | DPE 100B20/030 | 605010 | 1 |
| | 25 | DPE 100B25/010 | 605004 | DPE 100B25/030 | 605011 | 1 |
| | 32 | DPE 100B32/010 | 605005 | DPE 100B32/030 | 605012 | 1 |
| | 40 | DPE 100B40/010 | 605006 | DPE 100B40/030 | 605013 | 1 |

DPE100 - Type AC - 10kA  - characteristic C

| In (A) | 10mA | | 30mA | | Pack. | |
|--------|-------------|----------------|-------------|----------------|--------|---|
| | Order Codes | Ref. No. | Order Codes | Ref. No. | | |
| 1P+N | 6 | DPE 100C06/010 | 605014 | DPE 100C06/030 | 605021 | 1 |
| | 10 | DPE 100C10/010 | 605015 | DPE 100C10/030 | 605022 | 1 |
| | 16 | DPE 100C16/010 | 605016 | DPE 100C16/030 | 605023 | 1 |
| | 20 | DPE 100C20/010 | 605017 | DPE 100C20/030 | 605024 | 1 |
| | 25 | DPE 100C25/010 | 605018 | DPE 100C25/030 | 605025 | 1 |
| | 32 | DPE 100C32/010 | 605019 | DPE 100C32/030 | 605026 | 1 |
| | 40 | DPE 100C40/010 | 605020 | DPE 100C40/030 | 605027 | 1 |

Contact sales office for type A version

DPT100 - Type AC  - characteristic B

| In (A) | 30mA | | | |
|--------|-------------|----------------|--------|---|
| | Order Codes | Ref. No. | Pack. | |
| 1P+N | 6 | DPT100 B06/030 | 609673 | 1 |
| | 10 | DPT100 B10/030 | 609674 | 1 |
| | 16 | DPT100 B16/030 | 609676 | 1 |
| | 20 | DPT100 B20/030 | 609677 | 1 |
| | 25 | DPT100 B25/030 | 609678 | 1 |
| | 32 | DPT100 B32/030 | 609679 | 1 |
| | 40 | DPT100 B40/030 | 609680 | 1 |

DPT100 - Type AC  - characteristic C

| In (A) | 30mA | | | |
|--------|-------------|----------------|--------|---|
| | Order Codes | Ref. No. | Pack. | |
| 1P+N | 6 | DPT100 C06/030 | 609714 | 1 |
| | 10 | DPT100 C10/030 | 609715 | 1 |
| | 16 | DPT100 C16/030 | 609717 | 1 |
| | 20 | DPT100 C20/030 | 609718 | 1 |
| | 25 | DPT100 C25/030 | 609719 | 1 |
| | 32 | DPT100 C32/030 | 609720 | 1 |
| | 40 | DPT100 C40/030 | 609721 | 1 |

Intro

A

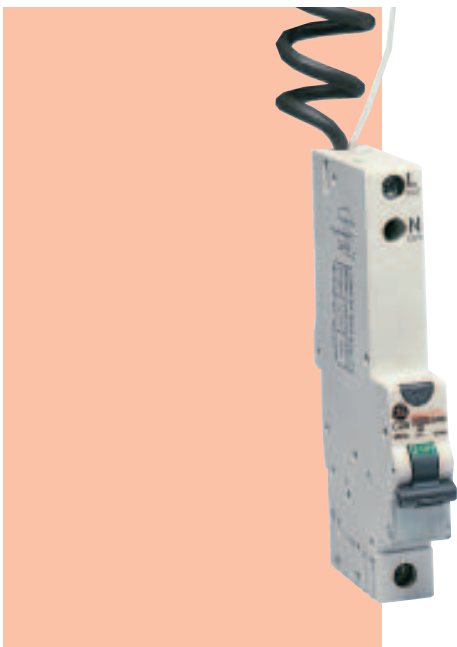
B

C

D

X





RCBO's - Residual Current Circuit Breakers with Overcurrent Protection

Series DME

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

Applications



For use in consumer units and distribution boards.

Marking



Performance

| | |
|--|---|
| Thermal setting I_n | (A) 6, 10, 16, 20, 25, 32, 40 |
| Residual current $I_{\Delta n}$ | (mA) 10, 30, 100 |
| Tripping characteristic | B, C |
| Rated voltage AC U_n | (V) 240 |
| Minimum operating voltage U_{Bmin} | (V) 100 |
| Mechanical/electrical endurance | 20000/10000 |
| Tropicalisation acc. to EN/IEC 60068-2-28/2-30 | 95%RH at 55°C |
| Terminal capacity flexible/rigid cable | (mm ²) Bottom terminal: 16-25 |
| Poles | 1+N (1 module) |
| Nuisance tripping resistance | 250A 8/20μs |
| Ambient temperature | (°C) -5 upto 55 |
| Weight | (g) 235 |

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

Short-circuit capacity

DME60 according to EN/IEC 61009-1

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

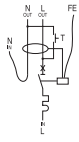
DME100 according to EN/IEC 61009-1

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

Series DME100 - Type AC 



Characteristic B
Unswitched neutral
1P+N



| In (A) | 10mA | | 30mA | | 100mA | | Pack. |
|--------|---------------|----------|---------------|----------|-------------|----------|-------|
| | Order Codes | Ref. No. | Order Codes | Ref. No. | Order Codes | Ref. No. | |
| 6 | DME100B06/010 | 605030 | DME100B06/030 | 605037 | - | - | 1 |
| 10 | DME100B10/010 | 605031 | DME100B10/030 | 605038 | - | - | 1 |
| 16 | DME100B16/010 | 605032 | DME100B16/030 | 605039 | - | - | 1 |
| 20 | DME100B20/010 | 605033 | DME100B20/030 | 605040 | - | - | 1 |
| 25 | DME100B25/010 | 605034 | DME100B25/030 | 605041 | - | - | 1 |
| 32 | DME100B32/010 | 605035 | DME100B32/030 | 605042 | - | - | 1 |
| 40 | DME100B40/010 | 605036 | DME100B40/030 | 605043 | - | - | 1 |

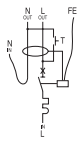
Characteristic C
Unswitched neutral
1P+N

| | | | | | | | |
|----|---------------|--------|---------------|--------|---------------|--------|---|
| 6 | DME100C06/010 | 605044 | DME100C06/030 | 605051 | DME100C06/100 | 605240 | 1 |
| 10 | DME100C10/010 | 605045 | DME100C10/030 | 605052 | DME100C10/100 | 605241 | 1 |
| 16 | DME100C16/010 | 605046 | DME100C16/030 | 605053 | DME100C16/100 | 605242 | 1 |
| 20 | DME100C20/010 | 605047 | DME100C20/030 | 605054 | DME100C20/100 | 605243 | 1 |
| 25 | DME100C25/010 | 605048 | DME100C25/030 | 605055 | DME100C25/100 | 605244 | 1 |
| 32 | DME100C32/010 | 605049 | DME100C32/030 | 605056 | DME100C32/100 | 605245 | 1 |
| 40 | DME100C40/010 | 605050 | DME100C40/030 | 605057 | DME100C40/100 | 605246 | 1 |

Series DMEA100 - Type A 



Characteristic B
Unswitched neutral
1P+N



| In (A) | 10mA | | 30mA | | Pack. |
|--------|---------------|----------|---------------|----------|-------|
| | Order Codes | Ref. No. | Order Codes | Ref. No. | |
| 6 | DME100B06/010 | 605150 | DME100B06/030 | 605157 | 1 |
| 10 | DME100B10/010 | 605151 | DME100B10/030 | 605158 | 1 |
| 16 | DME100B16/010 | 605152 | DME100B16/030 | 605159 | 1 |
| 20 | DME100B20/010 | 605153 | DME100B20/030 | 605160 | 1 |
| 25 | DME100B25/010 | 605154 | DME100B25/030 | 605161 | 1 |
| 32 | DME100B32/010 | 605155 | DME100B32/030 | 605162 | 1 |
| 40 | DME100B40/010 | 605156 | DME100B40/030 | 605163 | 1 |

Characteristic C
Unswitched neutral
1P+N

| | | | | | |
|----|---------------|--------|---------------|--------|---|
| 6 | DME100C06/010 | 605164 | DME100C06/030 | 605171 | 1 |
| 10 | DME100C10/010 | 605165 | DME100C10/030 | 605172 | 1 |
| 16 | DME100C16/010 | 605166 | DME100C16/030 | 605173 | 1 |
| 20 | DME100C20/010 | 605167 | DME100C20/030 | 605174 | 1 |
| 25 | DME100C25/010 | 605168 | DME100C25/030 | 605175 | 1 |
| 32 | DME100C32/010 | 605169 | DME100C32/030 | 605176 | 1 |
| 40 | DME100C40/010 | 605170 | DME100C40/030 | 605177 | 1 |

DME

Intro

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Add-on Devices

Auxiliary Contacts CA **BS EN/IEC 62019-1**

The CA range of auxiliary contacts is common to all MCB's and RCBO's up to 63A. Connection to both sides of the MCB is possible and the auxiliary is simple to mount. Allows pin or fork busbar to pass through without interference which means the auxiliary can be fitted in to Modular 200 MCB distribution boards.

According to BS EN/IEC 62019-1

| | |
|--------------------------|--------------------|
| Rated current | 5A |
| Rated voltage | 240V |
| Terminal capacity | 2.5mm ² |



Shunt trip - Tele L, UVR - Tele U **EN/IEC 60947-2**

The shunt trip range is common to all MCB's and RCBO's up to 63A. Connection to both sides of the MCB is possible and the devices are simple to mount. Allows pin or fork busbar to pass through without interference which means the shunt trip can be fitted into Modular 200 MCB distribution boards.

According to EN/IEC 60947-2

| | |
|--------------------------|--|
| Rated voltage | 110/415V, 110/125VDC 24/60V, 24/48VDC |
| Tripping time | 10ms |
| Terminal capacity | 2.5mm ² |

The Under Voltage Release range is common to all MCB's and RCBO's up to 63A. Connection to both sides of the MCB is possible and the devices are simple to mount. Allows pin or fork busbar to pass through without interference which means the under voltage release can be fitted in to Modular 200 MCB distribution boards.

According to EN/IEC 60947-2

| | |
|--------------------------|------------------------|
| Rated voltage | 240V |
| Tripping time | 0...300ms (adjustable) |
| Terminal capacity | 2.5mm ² |



Motor Operator - Tele MP **EN/IEC 60947-2**

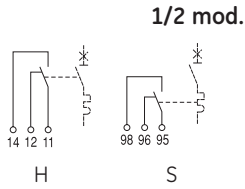
The motor operator is common to all MCB's, RCD's and RCBO's, and allows for the remote operation "ON" or "OFF" of the device that it is coupled to by means of a pushbutton or automatically via a PLC.

According to EN/IEC 60947-2

| | |
|--|------|
| Rated voltage | 240V |
| Padlocking in off position | |
| Accepts CA auxiliaries left and right | |

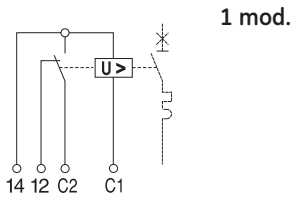
NOTE: Motor operators **CANNOT** be fitted directly into type A or B distribution boards. For type A use DIN enclosure and type B use MOD218D.

Series CA - auxiliary



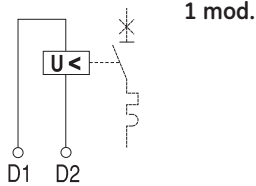
| Order Codes | Ref. No. | Description | Pack |
|-------------|----------|------------------------------|------|
| CA H | 672567 | H auxiliary contact | 1 |
| CA S/H | 672568 | S/H signal/auxiliary contact | 1 |

Tele L - Shunt trip



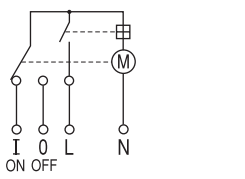
| Order Codes | Ref. No. | Voltage | Pack |
|-------------|----------|-------------------------|------|
| TELE L-2 | 672574 | AC 110-415V DC 110-125V | 1 |

Tele U - Undervoltage release



| Order Codes | Ref. No. | Voltage | Pack |
|-------------|----------|---------|------|
| TELE U-230 | 672575 | AC 240V | 1 |

Tele MP - Motor operator



| Order Codes | Ref. No. | Voltage | Pack |
|-------------|----------|---------|------|
| TELE MP | 672580 | AC 230V | 1 |

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Just feel



- D.2 Switches & pushbuttons - **Aster**
- D.2 Indicator Lamp - **Aster**
- D.4 Contactors - **Contax**
- D.6 Impulse switches - **Pulsar S**
- D.8 Staircase switches - **Pulsar TS**
- D.8 Time Relays - **Pulsar T**
- D.10 Analogue time switches - **Classic**
- D.10 Digital time switches - **Galax**
- D.12 Light sensitive switches - **Galax LSS**
- D.12 Transformers - **Series T**
- D.14 Measurement instruments - **Series MT**
- D.16 Surge arresters - **Surgeguard**

Quick selector guide - Advantages

Type A - MCB Distribution Board

Type B - MCB Distribution Board

Protection Devices

Control and Measurement Devices

Numerical Index

- Intro
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protected





Function

Manual control of electrical circuits.

Switches & Push-buttons

Aster

Applications



Switching of lighting and heating in the home, shops, offices, warehouses, factories, hospitals etc. For use with type A distribution board DIN enclosures and type B modular device extension box.

Features

- Wide range of devices with differing contact configurations and switching capacity.
- DIN rail mounting
- Colour coded toggles for easy visual identification.
- All terminals are equipped with captive pozidriv screws
- IP20 protection as standard.
- Compact design.



Function

Visual status indication.

Indicator Lamp

Aster

Applications

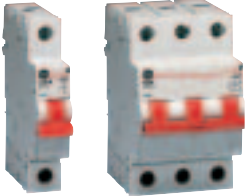
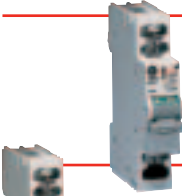
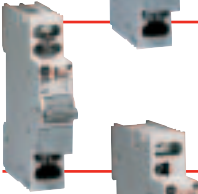

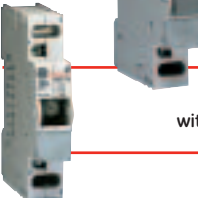


Indicate the status of heating, motor, fan, pump loads etc. For use with type A distribution board DIN enclosures and type B modular device extension box.



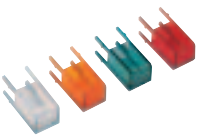
Features

- Available with different coloured lenses.
- DIN rail mounting
- Compact design.

ASTER - Switches & push-buttons

| | Nominal current | Contact combination | Nr. of modules | Order Codes | Ref. No. | Pack. |
|---|-----------------------------------|---------------------|----------------|--------------|----------|-------|
|  <p>Mains disconnect switch</p> | 63A/240V | 1NO | 1 | AST M 63 10 | 666562 | 12 |
| | 63A/415V | 2NO | 2 | AST M 63 20 | 666563 | 6 |
| | 63A/415V | 3NO | 3 | AST M 63 30 | 666564 | 4 |
| | 63A/415V | 4NO | 4 | AST M 63 40 | 666565 | 3 |
| | 80A/240V | 1NO | 1 | AST M 80 10 | 666566 | 12 |
| | 80A/415V | 2NO | 2 | AST M 80 20 | 666567 | 6 |
| | 80A/415V | 3NO | 3 | AST M 80 30 | 666568 | 4 |
| | 80A/415V | 4NO | 4 | AST M 80 40 | 666569 | 3 |
| | 100A/240V | 1NO | 1 | AST M 100 10 | 666558 | 12 |
| | 100A/415V | 2NO | 2 | AST M 100 20 | 666559 | 6 |
| | 100A/415V | 3NO | 3 | AST M 100 30 | 666560 | 4 |
| | 100A/415V | 4NO | 4 | AST M 100 40 | 666561 | 3 |
| | 16A - 32A switches also available | | | | | |
|  <p>Switch with signal lamp</p> | 16A/240V | 1NO | 1 | AST SL 16 10 | 666602 | 12 |
| | 16A/240V | 2NO | 1 | AST SL 16 20 | 666603 | 12 |
| | 32A/240V | 1NO | 1 | AST SL 32 10 | 666604 | 12 |
| | 32A/240V | 2NO | 1 | AST SL 32 20 | 666605 | 12 |
|  <p>Changeover switches with zero position</p> | 16A/240V | 1CO | 1 | AST SZ 16 1 | 666606 | 12 |
| | 16A/240V | 2CO | 1 | AST SZ 16 2 | 666607 | 12 |
| | 32A/240V | 1CO | 1 | AST SZ 32 1 | 666608 | 12 |
| | 32A/240V | 2CO | 1 | AST SZ 32 2 | 666609 | 12 |
|  <p>Push-button</p> | 16A/240V | 1NC | 1 | AST P 16 01 | 666570 | 12 |
| | 16A/240V | 1NO | 1 | AST P 16 10 | 666571 | 12 |
| | 16A/240V | 1NO 1NC | 1 | AST P 16 11 | 666572 | 12 |
|  <p>Push-button with signal lamp</p> | 16A/240V | 1NO | 1 | AST PL 16 10 | 666573 | 12 |

ASTER - Indicator lamps

| | Nominal operating voltage | Colour | Nr. of modules | Order Codes | Ref. No. | Pack. |
|---|---------------------------|-------------|----------------|-------------|----------|-------|
|  <p>Lampholder</p> | - | - | 1 | AST B | 666347 | 12 |
|  <p>Lamp</p> | 230V | - | - | AST B 230 | 666341 | 12 |
|  <p>Lens</p> | - | Transparent | - | AST L CL | 666343 | 12 |
| | - | Green | - | AST L GN | 666344 | 12 |
| | - | Orange | - | AST L OR | 666345 | 12 |
| | - | Red | - | AST L RD | 666346 | 12 |



For further details on the complete range of Aster switches, see ElfaPlus Commercial or Commercial/Technical catalogue. Lenses can also be used with Aster push-button.





Contactors

Contax BS EN 60947-4-1, BS EN 61096

Applications



Switching of lighting, heating, motors for pumps and fans. For use with type A distribution board DIN enclosures and type B modular device extension box.

Function

Contactors are electromechanical controlled switches used to control single or multiphase loads

Approval



Features

- DC coil resulting in a silent operation.
- DC coils have a rectifier circuit and can be operated by AC/DC power supplies.
- Built in varistor protects coil against over-voltages up to 5kV
- Flag indicator shows the real contact position
- Captive pozidriv screws
- IP20 finger protection
- Comprehensive range of accessories
- DIN rail mounting
- Compact design

CONTAX - Contactors



| Contactor | Nominal current | Contact combination | Coil ⁽¹⁾ voltage | AC/DC ⁽²⁾ | Nr. of modules | Order Codes | Ref. No. | Pack. |
|-----------|-----------------|---------------------|-----------------------------|----------------------|----------------|-----------------|----------|-------|
| | 20A | 1NO 1NC | 230V | AC | 1 | CTX 20 11 230 A | 666126 | 10 |
| | 20A | 2NC | 230V | AC | 1 | CTX 20 02 230 A | 666128 | 10 |
| | 20A | 2NO | 230V | AC | 1 | CTX 20 20 230 A | 666131 | 10 |
| | 24A | 2NO 2NC | 230V | AC/DC | 2 | CTX 24 22 230 U | 666135 | 5 |
| | 24A | 3NO | 230V | AC/DC | 2 | CTX 24 30 230 U | 666137 | 5 |
| | 24A | 4NC | 230V | AC/DC | 2 | CTX 24 04 230 U | 666139 | 5 |
| | 24A | 4NO | 230V | AC/DC | 2 | CTX 24 40 230 U | 666142 | 5 |
| | 40A | 2NC | 230V | AC/DC | 3 | CTX 40 02 230 U | 666170 | 3 |
| | 40A | 2NO | 230V | AC/DC | 3 | CTX 40 20 230 U | 666146 | 3 |
| | 40A | 3NO | 230V | AC/DC | 3 | CTX 40 30 230 U | 666148 | 3 |
| | 40A | 4NO | 230V | AC/DC | 3 | CTX 40 40 230 U | 666151 | 3 |
| | 63A | 4NO | 230V | AC/DC | 3 | CTX 63 20 230 U | 666155 | 3 |
| | 63A | 4NO | 230V | AC/DC | 3 | CTX 63 40 230 U | 666156 | 3 |

(1) Some configurations also available in 12V, 24V and 48V coil voltages. Contact sales office for details

Day/Night contactors also available. Contact sales office for details.

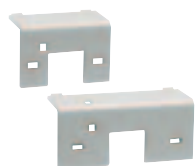
(2) 20A have an AC only coil

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



| Left mounting | Nominal current | Contact combination | | | Nr. of modules | Order Codes | Ref. No. | Pack. |
|---------------|-----------------|---------------------|---|---|----------------|-------------|----------|-------|
| | 6A | 1NO 1NC | - | - | 0.5 | CTX 06 11 | 666162 | 6 |
| | 6A | 2NO | - | - | 0.5 | CTX 06 20 | 666163 | 6 |

Accessories



| Sealing piece | | | | | Nr. of modules | Order Codes | Ref. No. | Pack. |
|---------------|--|--|--|--|----------------|-------------|----------|-------|
| | | | | | 2 | CTX TS 2 | 666160 | 3 |
| | | | | | 3 | CTX TS 3 | 666159 | 3 |



| Spacer | | | | | 0.5 | CTX SP | 666161 | 12 |
|--------|--|--|--|--|-----|--------|--------|----|
| | | | | | | | | |



For further details on the Contax range of contactors, see ElfaPlus Commercial or Commercial/Technical catalogue.



Impulse relays

Pulsar S

EN 60669-1 & EN 60669-2-2

Application



Used for the remote or local switching of lighting and heating circuits in the home, office, warehouse, hospital etc. For use with type A distribution board DIN enclosures and type B modular device extension box.

Features



- Central command relay can be used to switch several devices at the same time
- Captive pozidriv screws
- IP20 terminals are standard
- Comprehensive range of accessories
- DIN rail mounting
- Compact design max. 1 module
- Local operation via the toggle
- Remote operation via an electrical impulse

Function




An impulse relay is an electromechanical or electronically controlled device used for the remote or local switching of lighting and heating circuits either via the impulse relay toggle or a brief AC or DC voltage impulse applied to the relay control circuit to change the status of the main contacts.

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- X


PULSAR S - Impulse relays

|  | Electromechanical | Normal current | Contact combination | Coil voltage | AC/DC | Nr. of modules | Order Codes | Ref. No. | Pack. |
|---|----------------------------|----------------|---------------------|--------------|-----------------|----------------|-------------------|----------|-------|
| | | 16A | 1NO | 12V | AC | 1 | PLS 16 10 012 A | 616061 | 12 |
| 16A | 1NO | 24V | AC | 1 | PLS 16 10 024 A | 616062 | 12 | | |
| 16A | 1NO | 48V | AC | 1 | PLS 16 10 048 A | 616063 | 12 | | |
| 16A | 1NO | 230V | AC | 1 | PLS 16 10 230 A | 616065 | 12 | | |
| 16A | 2NO | 12V | AC | 1 | PLS 16 20 012 A | 616075 | 12 | | |
| 16A | 2NO | 24V | AC | 1 | PLS 16 20 024 A | 616076 | 12 | | |
| 16A | 2NO | 48V | AC | 1 | PLS 16 20 048 A | 616077 | 12 | | |
| 16A | 2NO | 230V | AC | 1 | PLS 16 20 230 A | 616079 | 12 | | |
|  | Electronic Central command | 16A | 1NO | 230V | AC/DC | 1 | PLS C 16 10 230 U | 616174 | 12 |

Add-on modules for electromechanical relays

|  | Add-on auxiliary contact (left mounting) | Normal current | Contact combination | Coil voltage | AC/DC | Nr. of modules | Order Codes | Ref. No. | Pack. |
|---|--|----------------|---------------------|--------------|-------|----------------|--------------|----------|-------|
| | | 5A | 1NO 1NC | - | - | 0.5 | PLS/CTXR 511 | 616115 | 1 |
|  | Add-on central command (left mounting) | - | - | All | AC/DC | 0.5 | PLS C | 616119 | 1 |
|  | Central command (multilevel module) | - | - | All | AC/DC | 1 | PLS M | 616120 | 1 |

Accessories

|  | Spacer | Nr. of modules | Order Codes | Ref. No. | Pack. |
|---|--------|----------------|-------------|----------|-------|
| | | 0.5 | CTX SP | 666161 | 20 |



For further details on the Pulsar range of impulse relays, see ElfaPlus Commercial or Commercial/Technical catalogue.



Function

Staircase time switches are pushbutton operated single shot timers used to switch on a lighting circuit and then switch off again after a preset period of time has elapsed

Staircase Time Switches

Pulsar TS

VDE 0632, BS EN 60669-1

Applications



Lighting and ventilation of staircases, basements and hall ways. For use with type A distribution board DIN enclosures and type B modular device extension box.

Features

- User adjustable time settings
- DIN rail mounting
- IP20 terminals
- Manual override is possible ON - OFF
- 3 or 4 wire wiring is possible
- Compact design

Time Relays

Pulsar T

IEC 60669-2-3



Function

When a voltage is applied to the relay timing circuit the relay is designed to give a predictable output with user preset delays.

Application




Used to switch loads in the home, office, factory, such as lighting and ventilation systems etc where a delay is required in the timing circuit.


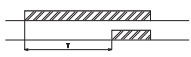

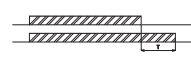

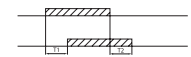

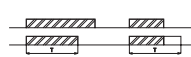





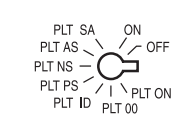
Features

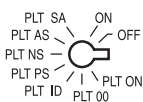
- Complete range of time relays
- User adjustable time settings
- DIN rail mounting
- IP20 terminals
- Captive pozidriv screws
- Compact design

PULSAR TS - Staircase time switches

| | Delay | Nominal current | Contact combination | Operating voltage | Nr. of modules | Order Codes | Ref. No. | Pack. | |
|---|---|-----------------|---------------------|-------------------|----------------|-------------|----------|--------|---|
|  | Electronic | 0.5...12 min. | 16A/250V | 1NO | 230V | 1 | PLT S E | 666510 | 1 |
| | Electronic Flasher | 0.5...10 min. | 16A/250V | 1NO | 230V | 1 | PLT S F | 666518 | 1 |
| | Electronic dim add-on module half intensity | 10...100 s. | 16A/250V | 1NO | 230V | 1 | PLT S D | 680016 | 1 |

Pulsar T - Time relays

| | Switching capacity | Contact combination | Operating voltage | AC/DC | Nr. of modules | Order Codes | Ref. No. | Pack. | |
|--|---------------------------|---------------------|-------------------|-------------|----------------|-------------|----------|--------|----|
|   | Delay On | 10A/250V | 1CO | 12 ... 230V | AC/DC | 1 | PLT ON | 666622 | 12 |
|   | Delay Off | 10A/250V | 1CO | 12 ... 230V | AC/DC | 1 | PLT OF | 666621 | 12 |
|   | Delay On/Off | 10A/250V | 1CO | 12 ... 230V | AC/DC | 1 | PLT OO | 666627 | 12 |
|   | Positive edge single shot | 10A/250V | 1CO | 12 ... 230V | AC/DC | 1 | PLT PS | 666625 | 12 |
|   | Negative edge single shot | 10A/250V | 1CO | 12 ... 230V | AC/DC | 1 | PLT NS | 666624 | 12 |
|   | Symmetrical flasher | 10A/250V | 1CO | 12 ... 230V | AC/DC | 1 | PLT AS | 666620 | 12 |
|   | Multifunction | 10A/250V | 1CO | 12 ... 230V | AC/DC | 1 | PLT MF | 666623 | 12 |



For further details on the Pulsar range of time switches, see ElfaPlus Commercial or Commercial/Technical catalogue.





Function

Programmable switching of one or more electrical devices pre defined time by the user.

Analogue Time Switches

Classic BS EN 60730-1, BS EN 60730-2-7

Application



Switching of lighting in the home, office, factory, car park, advertising signs and public roads etc. to switching of heating, motor, pump and fan loads. For use with type A distribution board DIN enclosures and type B modular device extension box.

Features

- Easy to program using mechanical switches on a dial
- Day or week time switches use a single dial for simplified programming
- Day and week switches use two dials for simplified programming
- Battery back-up options available
- Manual override switch on all timers
- DIN rail mounting
- Compact design

Digital Time Switches

Galax BS EN 60730-1, BS EN 60730-2-7

Application



Switching of lighting in the home, office, factory, car park, advertising signs and public roads etc. to switching of heating, motor, pump and fan loads. For use with type A distribution board DIN enclosures and type B modular device extension box.

Features




- Easy to program using soft touch key pad and clear LCD display
- Daily, weekly and yearly program possibilities
- 1, 2 and 4 channel time switches
- Quartz synchronisation for high accuracy
- Automatic daylight save time available on some devices
- Up to 400 programming steps available
- All digital time switches have battery backup
- Manual override switch on all timers
- DIN rail mounting
- Compact design






Function

Programmable switching of one or more electrical devices pre defined by the user.

CLASSIC - Analogue time switches

| NET SYNCHRONISED | | Program | Nr. of channels | Nominal current ⁽¹⁾ | Operating voltage | Power reserve | Shortest switching | Nr. of modules | Order Codes | Ref. No. | Pack. |
|---|------|-----------------|-----------------|--------------------------------|-------------------|---------------|--------------------|----------------|-------------|----------|-------|
|  | Day | 1x24x2 | 1CO | 16A/250V | 220 ... 240V | - | 30min. | 3 | CLS S 31 D | 666112 | 1 |
| | | 1x24x2 | 1NO | 16A/250V | 130VDC/230V | 50hrs | 30min. | 1 | CLS Q 11 D | 666105 | 1 |
| | | 1x24x2 | 1CO | 16A/250V | 130VDC/230V | 150hrs | 30min. | 3 | CLS Q 31 D | 666104 | 1 |
|  | Week | 7x24/3 | 1CO | 16A/250V | 220 ... 240V | - | 3hrs | 3 | CLS S 31 W | 666114 | 1 |
| | | 7x24/3 | 1CO | 16A/250V | 130VDC/230V | 150hrs | 3hrs | 3 | CLS Q 31 W | 666109 | 1 |
| QUARTZ SYNCHRONISED | | 7x24x2 + 7x24/3 | 2CO | 16A/250V | 130VDC/ 230V | 150h | 30min./3hrs | 6 | CLS Q 62 DW | 666108 | 1 |
|  | | | | | | | | | | | |

CLASSIC - Digital time switches

| QUARTZ SYNCHRONISED | | Program | Nr. of channels | Nominal current ⁽¹⁾ | Operating voltage | Power reserve | Shortest switching | Nr. of modules | Order Codes | Ref. No. | Pack. |
|---|---|-----------|-----------------|--------------------------------|-------------------|---------------|--------------------|----------------|---------------|----------|-------|
|  | Day | 1x24x60 | 1CO | 16A/250V | 220 ... 240V | 3yrs | 1min. | 2 | GLX Q 21 D12 | 666186 | 1 |
| | Day/Week | 7x24x60 | 1CO | 16A/250V | 220 ... 240V | 150hrs | 1min | 1 | GLX Q 11 W42 | 666187 | 1 |
|  | | 7x24x60 | 2CO | 16A/250V | 220 ... 240V | 3yrs | 1sec | 2 | GLX Q 22 W40 | 666191 | 1 |
| |  | 7x24x3600 | 4CO | 16A/250V | 220 ... 240V | 6yrs | 1sec | 6 | GLX Q 64 W400 | 666193 | 1 |



(1) Nominal current AC1 duty

For details on the full range of Classic and Galax time switches, see ElfaPlus Commercial or Commercial/Technical catalogue.





Light Sensitive Switches

Galax LSS

VDE 0632, BS EN 60669-1

Application



Control of lighting in the home, office, factory, car park, shops and street lighting etc. For use with type A distribution board DIN enclosures and type B modular device extension box.

Features

- User presettable light intensity range
- 1 or 2 channel with digital time switch with week cycle
- Separate photo cells and a 1 channel all in one device are available
- DIN rail or wall mounting
- Compact design

Function

Electronic switch which is controlled by the intensity of the ambient light detected by an integrated or separate photo cell.



Transformers

Series T

IEC 61558-1-2-8

Application



Transforms the input (primary) 240V power supply to a low voltage (secondary) supply for bells and buzzers etc. For use with type A distribution board DIN enclosures and type B modular device extension box.

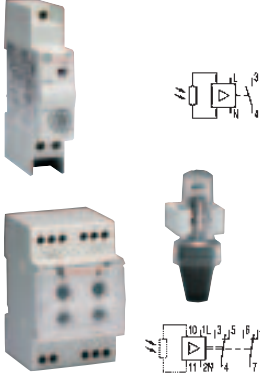
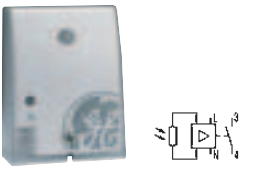
Features

- Secondary short circuit protection
- Transformer with integrated buzzer or bell to save wiring time
- IP20 safety terminals
- Captive pozidriv screws
- DIN rail mounting
- Compact design

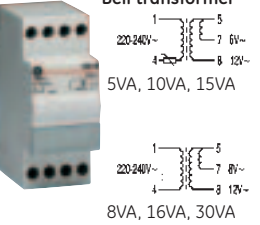
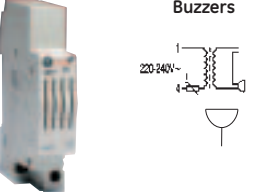
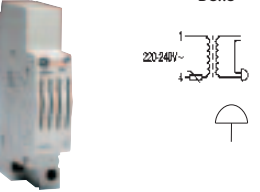
Function

Reduce the voltage to a safer control voltage.

Galax LSS - Light sensitive switches

| | Program | Nr. of channels | Nominal current * | Operating voltage | Power reserve | Shortest switching | Nr. of modules | Order Codes | Ref. No. | Pack. |
|--|---------------------------|-----------------|-------------------|-------------------|---------------|--------------------|----------------|-------------|----------|-------|
| <p>DIN rail mounting separate photo cell</p>  | 2 ... 500 luc | 1NO | 16A/250V | 230V | - | - | 1 | LSS 11 | 666361 | 1 |
| | 2 ... 500 lux | 2CO | 16A/250V | 230V | - | - | 3 | LSS 32 | 666362 | 1 |
| | 2 ... 500 lux 7x 24x60 | 1CO | 16A/250V | 230V | 3yr | 1min. | 3 | LSS 31 | 666363 | 1 |
| | | | | | | | | | | |
| <p>Wall mounting Photocell incorporated</p>  | 2 ... 2000 lux | 1NO | 16A/250V | 230V | - | - | - | LSS W | 666364 | 1 |

Series T - Transformers

| | Output power | Secondary voltages | Primary voltage | Number of modules | Cat. No. | Ref. No. | Pack. |
|---|--------------|--------------------|-----------------|-------------------|----------|----------|-------|
| <p>Bell transformer</p>  | 5VA | 8/12V | 220..240V | 2 | TR B 5 | 666638 | 1 |
| | 10VA | 8/12V | 220..240V | 2 | TR B 10 | 666636 | 1 |
| | 15VA | 8/12V | 220..240V | 2 | TR B 15 | 666637 | 1 |
| | 8VA | 12/24V | 220..240V | 2 | TR B 8 | 666650 | 1 |
| | 16VA | 12/24V | 220..240V | 2 | TR B 16 | 666651 | 1 |
| | 30VA | 12/24V | 220..240V | 2 | TR B 30 | 666652 | 1 |
| <p>Buzzers</p>  | Buzzer | | 220..240V | 1 | BU 230 | 666629 | 12 |
| | Buzzer | | 12V | 1 | BU 12 | 666630 | 12 |
| <p>Bells</p>  | Bell | | 220..240V | 1 | BE 230 | 666632 | 12 |
| | Bell | | 12V | 1 | BE 12 | 666633 | 12 |



For further details on the Galax LSS and Series T transformer range, see ElfaPlus Commercial or Commercial/Technical catalogue.



Intro

A

B

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X



Measurement Instruments

Series MT

EN 61010-1, BS EN 60051-1-2

Application



Measurement of electrical values such as voltage, amps, frequency, kW and kWh etc. using digital and analogue displays in a single phase and three phase system. can be used in type A distribution board DIN enclosures and type B modular device extension box, control panels and distribution switchboards via the DIN rail mounting system.


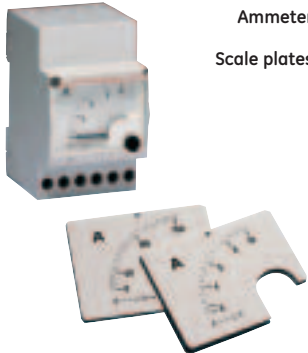
Features

- 1 phase and 3 phase meters available
- Single function analogue timers
- Single function or multifunction digital meters
- Communications available using network analysers
- DIN rail mounting
- IP40 protection
- Interchangeable analogue ammeter scale plates
- Current transformers
- Compact design


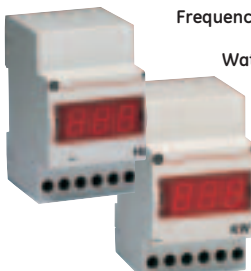



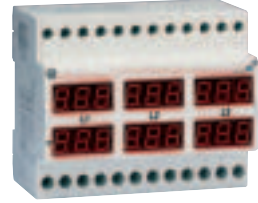

Function

Measurement of voltage, current, frequency, hours of operation, power, energy, power factor etc via a digital or analogue display.

Series MT - Analogue measurement instruments

| | Scale | Accuracy | Nr. of phases | Nr. of modules | Order Codes | Ref. No. | Pack. |
|--|----------------|----------|---------------|-------------------|------------------|----------|-------|
|  Volt meter | 300V | 1.5 | 1 | 3 | MT AV 300 | 666417 | 1 |
| | 500V | 1.5 | 1 | 3 | MT AV 500 | 666418 | 1 |
|  Ammeter Scale plates | no scale plate | 1.5 | 1 | 3 | MT AA | 666414 | 1 |
| | 40/5A | - | - | - | MT SP 40 | 666395 | 10 |
| | 50/5A | - | - | - | MT SP 50 | 666397 | 10 |
| | 60/5A | - | - | - | MT SP 60 | 666399 | 10 |
| | 80/5A | - | - | - | MT SP 80 | 666401 | 10 |
| | 100/5A | - | - | - | MT SP 100 | 666389 | 10 |
| | 150/5A | - | - | - | MT SP 150 | 666391 | 10 |
| | 200/5A | - | - | - | MT SP 200 | 666392 | 10 |
| | 250/5A | - | - | - | MT SP 250 | 666393 | 10 |
| | 300/5A | - | - | - | MT SP 300 | 666394 | 10 |
| | 400/5A | - | - | - | MT SP 400 | 666396 | 10 |
| | 500/5A | - | - | - | MT SP 500 | 666398 | 10 |
| | 600/5A | - | - | - | MT SP 600 | 666400 | 10 |
| 800/5A | - | - | - | MT SP 800 | 666402 | 10 | |
| 1000/5A | - | - | - | MT SP 1000 | 666390 | 10 | |
| Frequency meter Hour counter | 45 ... 66Hz | 0.5 | 1 | 3 | MT AF | 666415 | 1 |
| | 230V/50Hz | - | 1 | 2 | MT AH | 666416 | 1 |

Series MT - Digital measurement instruments

| | Scale | Accuracy | Nr. of phases | Nr. of modules | Order Codes | Ref. No. | Pack. |
|---|---|-------------|---------------|----------------|-------------|-----------------------|------------------|
|  <p>Volt meter Ammeter</p> | 600V | 0.5 ± 1 dig | 1 | 3 | MT DV 600 | 666427 | 1 |
| | 5A | 0.5 ± 1 dig | 1 | 3 | MT DA 5 | 666420 | 1 |
| | 25A | 0.5 ± 1 dig | 1 | 3 | MT DA 25 | 666419 | 1 |
|  <p>Frequency meter Watt meter</p> | 40 ... 80Hz | 0.5 ± 1 dig | 1 | 3 | MT DF | 666424 | 1 |
| | 9.999kW | 1.5 | 1 | 3 | MT DW 110 | 666428 | 1 |
| | 999.9kW | 1.5 | 1 | 3 | MT DW 11000 | 666429 | 1 |
| | 999.9kW | 1.5 | 3 | 6 | MT DW 31000 | 666430 | 1 |
|  <p>Kilowatt hour meter</p> | 30A | 1.5 | 1 | 3 | MT DE 1 | 666421 | 1 |
| | 30A | 1.5 | 1 | 3 | MT DE 1I | 666422 ⁽¹⁾ | 1 |
| | 5A | 1.5 | 3 | 6 | MT DE 3I | 666423 ⁽¹⁾ | 1 |
|  <p>Net analyser multi meter</p> | 5A | 1 | 1 | 8 | MT DN 1 | 666425 | 1 |
| | 5A | 1 | 3 (+N) | 8 | MT DN 3 | 666426 | 1 |
| | 5A | 1 | 3 (+N) | 6 | MT DN 3L | 666451 | 1 ⁽²⁾ |
|  | | | | | | | |
|  <p>Digital multimeter</p> | 5A (x/5A) | 1.5 | 3 | 6 | MT DN 3R | 666436 | 1 |
| |  | | | | | | |

(1) Impulse output
(2) Oscilloscope function

Series MT

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Surge Arresters

SurgeGuard

IEC 61643-1

Application



Surgeguard surge arresters provide protection for home appliances (TV, VCR, HiFi, washing machine, dishwasher, home computer etc), commercial building equipment (computer and data communication network, intrusion and fire alarm system, access-control, and building automation systems), industrial equipment (PLC, instrumentation, medical apparatus, monitoring devices) and even the protection of entire off-shore drilling platforms against over voltage surges. Can be fitted into type A distribution board DIN enclosures and type B modular device extension box, control panels and distribution switchboards via the DIN rail mounting system.

Features

- Class 1 and class 2 single or multi pole devices
- Single pole device has plug-in module for easy replacement at end of life
- Plug changed without the need to alter wiring
- Voltage free changeover contacts on some devices
- Built in thermal fuse isolates devices incase of short-circuit or thermal runaway
- Terminal capacity 50mm²
- End of life indicator informs the user when a device needs to be replaced
- DIN rail mounting
- Compact design


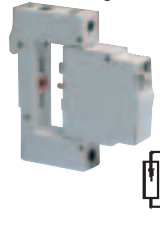



Function

Protection of electrical installations and all electrical and electronic devices connected to the installation against destructive over voltage surges. Such voltages can be generated by lightning induced currents, network polluting devices such as motors, frequency converters, dimmers etc. and by electricity generators network switching operations.



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- A
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Surgeguard - Surge arresters

| Class 1 | | I _{MAX} | I _N | U _p (L-PE) | U _p (L-N) | U _n | Nr. of phases | Auxiliary contact | Nr. of modules | Order Codes | Ref. No. | Pack. |
|---|--------------------------------------|------------------|----------------|--------------------------|-------------------------|----------------|------------------|----------------------|-------------------|----------------|----------|-------|
|  | 1 pole Monoblock | 36kA | - | 4000V | - | 255V | 1 | - | 1 | SG SM 1 354 | 666540 | 1 |
| | 3 pole Monoblock | 100kA | - | 4000V | - | 440V | 1 | - | 3 | SG MM 1 1004 | 666531 | 1 |
| Class 2 | | | | | | | | | | | | |
|  | Single pole plug-in Plug and Base | 20kA | 5kA | 960V | - | 230V | 1 | - | 1 | SG SP 2 20 2 | 666545 | 1 |
| | | 20kA | 5kA | 1580V | - | 400V | 1 | - | 1 | SG SP 2 20 4 | 666546 | 1 |
| | 45kA | 10kA | 1000V | - | 230V | 1 | - | 1 | SG SP 2 45 2 | 666547 | 1 | |
| | | | 1000V | - | 230V | 1 | 1CO | 1 | SG SP 2 45 2 C | 666537 | 1 | |
| | | 10kA | 400V | - | 400V | 1 | - | 1 | SG SP 2 45 4 | 666548 | 1 | |
| | | | 2100V | - | 400V | 1 | 1CO | 1 | SG SP 2 45 4 C | 666539 | 1 | |
| | | 65kA | 20kA | 1200V | - | 230V | 1 | - | 1 | SG SP 2 65 2 | 666549 | 1 |
| | | | | 1200V | - | 230V | 1 | 1CO | 1 | SG SP 2 65 2 C | 666542 | 1 |
| | 65kA | 20kA | 1950V | - | 400V | 1 | - | 1 | SG SP 2 65 4 | 666551 | 1 | |
| | | | 1950V | - | 400V | 1 | 1CO | 1 | SG SP 2 65 4 C | 666544 | 1 | |
|  | Replacement module (plug only) | 20kA | 5kA | 960kA | - | 230V | 1 | - | 1 | SG SP 2 20 2 P | 666534 | 1 |
| | | 20kA | 5kA | 1580kA | - | 400V | 1 | - | 1 | SG SP 2 20 4 P | 666535 | 1 |
| | 45kA | 10kA | 1000kA | - | 230V | 1 | - | 1 | SG SP 2 45 2 P | 666536 | 1 | |
| | | | 2100kA | - | 400V | 1 | - | 1 | SG SP 2 45 4 P | 666538 | 1 | |
| | 65kA | 20kA | 1200kA | - | 230V | 1 | - | 1 | SG SP 2 65 2 P | 666541 | 1 | |
| | | | 1950kA | - | 400V | 1 | - | 1 | SG SP 2 65 4 P | 666543 | 1 | |
|  | Multi pole monoblock | 20kA | 5kA | 960V | 990V | 230V | 1+N | - | 2 | SG MM 2 20 2 | 666525 | 1 |
| | | 45kA | 10kA | 1000V | 990V | 230V | 1+N | - | 2 | SG MM 2 45 2 | 666527 | 1 |
|  | Multi pole monoblock | 20kA | 5kA | 960V | 990V | 400V | 3+N | - | 5 | SG MM 2 20 4 | 666526 | 1 |
| | | 45kA | 10kA | 1000V | 990V | 400V | 3+N | 1CO | 5 | SG MM 2 45 4 C | 666530 | 1 |
| | | 45kA | 10kA | 1000V | 990V | 400V | 3+N | - | 5 | SG MM 2 45 4 | 666529 | 1 |
| | | 80kA | 20kA | 1200V | 990V | 400V | 3+N | 1CO | 5 | SG MM 2 80 4 C | 666533 | 1 |
| | | 80kA | 20kA | 1200V | 990V | 400V | 3+N | 1CO | 5 | SG MM 2 80 4 C | 666533 | 1 |

Accessories

| | In | Nr. of phases | Nr. of modules | Order Codes | Ref. No. | Pack. |
|---|-----|------------------|-------------------|-------------|----------|-------|
|  | 40A | 1 | 2 | SG C 40 | 666532 | 1 |
|  | - | 1 | 1 | SG SWT | 666524 | 1 |



For further details on the SurgeGuard range of surge arresters, see ElfaPlus Commercial or Commercial/Technical catalogue.



Numerical Index

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- X.4 By reference number



| Order Codes | Ref. No. | Page | Order Codes | Ref. No. | Page |
|-------------------|----------|------|----------------|----------|------|
| MOD2DIL200 | 619110 | B.4 | SG SP 2 20 2 P | 666534 | D.17 |
| MOD2HDGP | 619116 | B.4 | SG SP 2 20 4 | 666546 | D.17 |
| MOD2ISO3 | 619111 | B.3 | SG SP 2 20 4 P | 666535 | D.17 |
| MOD2LCK | 610063 | A.4 | SG SP 2 45 2 | 666547 | D.17 |
| MOD2MC200A | 619109 | B.4 | SG SP 2 45 2 C | 666537 | D.17 |
| MOD2MC200NA | 619107 | B.4 | SG SP 2 45 2 P | 666536 | D.17 |
| MOD2MCB100 | 619606 | B.3 | SG SP 2 45 4 | 666548 | D.17 |
| MOD2MCB63 | 619605 | B.3 | SG SP 2 45 4 C | 666539 | D.17 |
| MOD2MCRCD | 619108 | B.4 | SG SP 2 45 4 P | 666538 | D.17 |
| MOD2PA120 | 619180 | B.3 | SG SP 2 65 2 | 666549 | D.17 |
| MOD2PA180 | 619181 | B.3 | SG SP 2 65 2 C | 666542 | D.17 |
| MOD2PA240 | 619192 | B.3 | SG SP 2 65 2 P | 666541 | D.17 |
| MOD2PA40 | 619177 | B.3 | SG SP 2 65 4 | 666551 | D.17 |
| MOD2PA60 | 619178 | B.3 | SG SP 2 65 4 C | 666544 | D.17 |
| MOD2PA80 | 619179 | B.3 | SG SP 2 65 4 P | 666543 | D.17 |
| MOD2RCDA | 619119 | B.3 | SG SWT | 666524 | D.17 |
| MOD2RCDB | 619112 | B.3 | SHR3 | 619018 | A.4 |
| MOD2RCDBTD | 619120 | B.3 | T... | | |
| MOD2RCDC | 619113 | B.3 | TELE L-2 | 672574 | C.15 |
| MOD2SB1 | 619106 | B.4 | TELE MP | 672580 | C.15 |
| MOD2SPK1 | 618300 | B.3 | TELE U-230 | 672575 | C.15 |
| MT AA | 666414 | D.14 | TR B 10 | 666636 | D.13 |
| MT AF | 666415 | D.14 | TR B 15 | 666637 | D.13 |
| MT AH | 666416 | D.14 | TR B 16 | 666651 | D.13 |
| MT AV 300 | 666417 | D.15 | TR B 30 | 666652 | D.13 |
| MT AV 500 | 666418 | D.15 | TR B 5 | 666638 | D.13 |
| MT DA 25 | 666419 | D.15 | TR B 8 | 666650 | D.13 |
| MT DA 5 | 666420 | D.15 | | | |
| MT DE 1 | 666421 | D.15 | | | |
| MT DE 1I | 666422 | D.15 | | | |
| MT DE 3I | 666423 | D.15 | | | |
| MT DF | 666424 | D.15 | | | |
| MT DN 1 | 666425 | D.15 | | | |
| MT DN 3 | 666426 | D.15 | | | |
| MT DN 3L | 666451 | D.15 | | | |
| MT DN 3R | 666436 | D.15 | | | |
| MT DV 600 | 666427 | D.15 | | | |
| MT DW 110 | 666428 | D.15 | | | |
| MT DW 11000 | 666429 | D.15 | | | |
| MT DW 31000 | 666430 | D.15 | | | |
| MT SP 100 | 666389 | D.14 | | | |
| MT SP 1000 | 666390 | D.14 | | | |
| MT SP 150 | 666391 | D.14 | | | |
| MT SP 200 | 666392 | D.14 | | | |
| MT SP 250 | 666393 | D.14 | | | |
| MT SP 300 | 666394 | D.14 | | | |
| MT SP 40 | 666395 | D.14 | | | |
| MT SP 400 | 666396 | D.14 | | | |
| MT SP 50 | 666397 | D.14 | | | |
| MT SP 500 | 666398 | D.14 | | | |
| MT SP 60 | 666399 | D.14 | | | |
| MT SP 600 | 666400 | D.14 | | | |
| MT SP 80 | 666401 | D.14 | | | |
| MT SP 800 | 666402 | D.14 | | | |
| P... | | | | | |
| PLS 16 10 012 A | 616061 | D.7 | | | |
| PLS 16 10 024 A | 616062 | D.7 | | | |
| PLS 16 10 048 A | 616063 | D.7 | | | |
| PLS 16 10 230 A | 616065 | D.7 | | | |
| PLS 16 20 012 A | 616075 | D.7 | | | |
| PLS 16 20 024 A | 616076 | D.7 | | | |
| PLS 16 20 048 A | 616077 | D.7 | | | |
| PLS 16 20 230 A | 616079 | D.7 | | | |
| PLS C | 616119 | D.7 | | | |
| PLS C 16 10 230 U | 616174 | D.7 | | | |
| PLS M | 616120 | D.7 | | | |
| PLS/CTXR 511 | 616115 | D.7 | | | |
| PLT AS | 666620 | D.9 | | | |
| PLT MF | 666623 | D.9 | | | |
| PLT NS | 666624 | D.9 | | | |
| PLT OF | 666621 | D.9 | | | |
| PLT ON | 666622 | D.9 | | | |
| PLT OO | 666627 | D.9 | | | |
| PLT PS | 666625 | D.9 | | | |
| PLT S D | 680016 | D.9 | | | |
| PLT S E | 666510 | D.9 | | | |
| PLT S F | 666518 | D.9 | | | |
| S... | | | | | |
| SG C 40 | 666532 | D.17 | | | |
| SG MM 1 1004 | 666531 | D.17 | | | |
| SG MM 2 20 2 | 666525 | D.17 | | | |
| SG MM 2 20 4 | 666526 | D.17 | | | |
| SG MM 2 45 2 | 666527 | D.17 | | | |
| SG MM 2 45 4 | 666529 | D.17 | | | |
| SG MM 2 45 4 C | 666530 | D.17 | | | |
| SG MM 2 80 4 C | 666533 | D.17 | | | |
| SG SM 1 354 | 666540 | D.17 | | | |
| SG SP 2 20 2 | 666545 | D.17 | | | |



Modular 200

By reference number

| Ref. No. | Order Codes | Page | Ref. No. | Order Codes | Page |
|----------|-------------|------|----------|-------------|------|
| 674959 | G101B50 | C.3 | 675064 | G103D0.5 | C.3 |
| 674960 | G101B63 | C.3 | 675065 | G103D01 | C.3 |
| 674961 | G101NB06 | C.3 | 675066 | G103D02 | C.3 |
| 674963 | G101NB10 | C.3 | 675067 | G103D03 | C.3 |
| 674964 | G101NB13 | C.3 | 675068 | G103D04 | C.3 |
| 674965 | G101NB16 | C.3 | 675069 | G103D06 | C.3 |
| 674966 | G101NB20 | C.3 | 675071 | G103D10 | C.3 |
| 674967 | G101NB25 | C.3 | 675072 | G103D13 | C.3 |
| 674968 | G101NB32 | C.3 | 675073 | G103D16 | C.3 |
| 674969 | G101NB40 | C.3 | 675074 | G103D20 | C.3 |
| 674970 | G101NB50 | C.3 | 675075 | G103D25 | C.3 |
| 674971 | G101NB63 | C.3 | 675076 | G103D32 | C.3 |
| 674972 | G102B06 | C.3 | 675077 | G103D40 | C.3 |
| 674974 | G102B10 | C.3 | 675078 | G103D50 | C.3 |
| 674975 | G102B13 | C.3 | 675079 | G103D63 | C.3 |
| 674976 | G102B16 | C.3 | 675080 | G104D0.5 | C.3 |
| 674977 | G102B20 | C.3 | 675081 | G104D01 | C.3 |
| 674978 | G102B25 | C.3 | 675082 | G104D02 | C.3 |
| 674979 | G102B32 | C.3 | 675083 | G104D03 | C.3 |
| 674980 | G102B40 | C.3 | 675084 | G104D04 | C.3 |
| 674981 | G102B50 | C.3 | 675085 | G104D06 | C.3 |
| 674982 | G102B63 | C.3 | 675087 | G104D10 | C.3 |
| 674983 | G103B06 | C.3 | 675088 | G104D13 | C.3 |
| 674985 | G103B10 | C.3 | 675089 | G104D16 | C.3 |
| 674986 | G103B13 | C.3 | 675090 | G104D20 | C.3 |
| 674987 | G103B16 | C.3 | 675091 | G104D25 | C.3 |
| 674988 | G103B20 | C.3 | 675092 | G104D32 | C.3 |
| 674989 | G103B25 | C.3 | 675093 | G104D40 | C.3 |
| 674990 | G103B32 | C.3 | 675094 | G104D50 | C.3 |
| 674991 | G103B40 | C.3 | 675095 | G104D63 | C.3 |
| 674992 | G103B50 | C.3 | 680... | | |
| 674993 | G103B63 | C.3 | 680016 | PLT S D | D.9 |
| 674994 | G104B06 | C.3 | | | |
| 674996 | G104B10 | C.3 | | | |
| 674997 | G104B13 | C.3 | | | |
| 674998 | G104B16 | C.3 | | | |
| 674999 | G104B20 | C.3 | | | |
| 675... | | | | | |
| 675000 | G104B25 | C.3 | | | |
| 675001 | G104B32 | C.3 | | | |
| 675002 | G104B40 | C.3 | | | |
| 675003 | G104B50 | C.3 | | | |
| 675004 | G104B63 | C.3 | | | |
| 675016 | G101D0.5 | C.3 | | | |
| 675017 | G101D01 | C.3 | | | |
| 675018 | G101D02 | C.3 | | | |
| 675019 | G101D03 | C.3 | | | |
| 675020 | G101D04 | C.3 | | | |
| 675021 | G101D06 | C.3 | | | |
| 675023 | G101D10 | C.3 | | | |
| 675024 | G101D13 | C.3 | | | |
| 675025 | G101D16 | C.3 | | | |
| 675026 | G101D20 | C.3 | | | |
| 675027 | G101D25 | C.3 | | | |
| 675028 | G101D32 | C.3 | | | |
| 675029 | G101D40 | C.3 | | | |
| 675030 | G101D50 | C.3 | | | |
| 675031 | G101D63 | C.3 | | | |
| 675032 | G101ND0.5 | C.3 | | | |
| 675033 | G101ND01 | C.3 | | | |
| 675034 | G101ND02 | C.3 | | | |
| 675035 | G101ND03 | C.3 | | | |
| 675036 | G101ND04 | C.3 | | | |
| 675037 | G101ND06 | C.3 | | | |
| 675039 | G101ND10 | C.3 | | | |
| 675040 | G101ND13 | C.3 | | | |
| 675041 | G101ND16 | C.3 | | | |
| 675042 | G101ND20 | C.3 | | | |
| 675043 | G101ND25 | C.3 | | | |
| 675044 | G101ND32 | C.3 | | | |
| 675045 | G101ND40 | C.3 | | | |
| 675046 | G101ND50 | C.3 | | | |
| 675047 | G101ND63 | C.3 | | | |
| 675048 | G102D0.5 | C.3 | | | |
| 675049 | G102D01 | C.3 | | | |
| 675050 | G102D02 | C.3 | | | |
| 675051 | G102D03 | C.3 | | | |
| 675052 | G102D04 | C.3 | | | |
| 675053 | G102D06 | C.3 | | | |
| 675055 | G102D10 | C.3 | | | |
| 675056 | G102D13 | C.3 | | | |
| 675057 | G102D16 | C.3 | | | |
| 675058 | G102D20 | C.3 | | | |
| 675059 | G102D25 | C.3 | | | |
| 675060 | G102D32 | C.3 | | | |
| 675061 | G102D40 | C.3 | | | |
| 675062 | G102D50 | C.3 | | | |
| 675063 | G102D63 | C.3 | | | |

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