



Panelboards for the S800  
high performance MCB  
Mirage S800

Power and productivity  
for a better world™



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## Mirage S800

Panelboards for the S800 High Performance MCB  
General

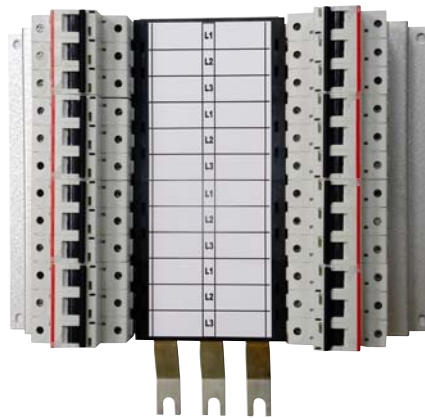
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### Mirage S800

The Mirage S800 type tested panelboards have been designed for easy handling and quick, simple installation for the electrical contractor.

Compact product design ensures maximum cabling area within the enclosures.

Removable top & bottom gland plates are provided for ease of installation and cabling. The removal of these also allows for fitting of additional items such as top and bottom extension boxes, plinths and metering panels.



# Mirage S800

## 250 Amp Panelboards

### Technical Details - Ordering Details



1SKC 022 001 F0001

#### Technical details

|                                    |  |
|------------------------------------|--|
| Standard                           | : IEC 439-1, EN 60439-1/BS EN 60439-1 &3                         |
| Max. load                          | : 250 Amp  |
| Max. voltage                       | : 415V ac, 50/60 Hz  |
| Rated insulation voltage           | : 1000V ac   |
| Rated operational voltage          | : 690 V ac   |
| Range                              | : 2, 4, 6, 8, 12 and 16 TP&N ways                                |
| Incoming Device                    | : Max. 250 Amp, TP Mccb size T3                                  |
| Outgoing Device                    | : Max. 125 Amp, TP or SP MCB S800                                |
| Protection degree                  | : IP 42 (IP54 as an option on request)<br>IP 20 for pan assembly |
| Color                              | : RAL 7035   |
| Rated short time withstand current | : 35 KA at 415V. 0.25 pf   |
| Rated peak withstand current       | : 73.5 KA at 415V. 0.25 pf                                       |
| Rated impulse withstand voltage    | : 2.5 kV   |
| Enclosure material                 | : Cold rolled sheet steel 1.5 mm<br>(ALUZINK steel on request)   |

#### Mirage, panelboards, incoming T3-250A and outgoing S800, 125Amp., fixed capacity

| No. of poles | Outgoing data |            |             | Dimensions<br>H x W x D mm | Ordering details |                    | Weight<br>kg |
|--------------|---------------|------------|-------------|----------------------------|------------------|--------------------|--------------|
|              | Type          | No of ways | Rating<br>A |                            | Type Code        | Type No.           |              |
| TPN/SPN      | S800          | 2/6        | 125         | 650 x 650 x 160            | GDMR25-302FS8    | 1SKS 202 242 C3320 | 35           |
| TPN/SPN      | S800          | 4/12       | 125         | 650 x 650 x 160            | GDMR25-304FS8    | 1SKS 204 242 C3320 | 36           |
| TPN/SPN      | S800          | 6/18       | 125         | 800 x 650 x 160            | GDMR25-306FS8    | 1SKS 206 242 C3320 | 43           |
| TPN/SPN      | S800          | 8/24       | 125         | 800 x 650 x 160            | GDMR25-308FS8    | 1SKS 208 242 C3320 | 44           |
| TPN/SPN      | S800          | 12/36      | 125         | 1100 x 650 x 160           | GDMR25-312FS8    | 1SKS 212 242 C3320 | 55           |
| TPN/SPN      | S800          | 16/48      | 125         | 1100 x 650 x 160           | GDMR25-316FS8    | 1SKS 216 242 C3320 | 58           |

- The order code does not include the incoming or outgoing devices, these should be ordered separately.
- Fixed capacity means that all the outgoing ways are similar in S800 type
- The panel does not include the main terminal cover for the incomer device



#### Mirage, Pan assembly, incoming T3-250A and outgoing S800, 125Amp., fixed capacity

| No. of poles | Outgoing data |            |             | Dimensions<br>H x W x D mm | Ordering details |                    | Weight<br>kg |
|--------------|---------------|------------|-------------|----------------------------|------------------|--------------------|--------------|
|              | Type          | No of ways | Rating<br>A |                            | Type Code        | Type No.           |              |
| TPN/SPN      | S800          | 2/6        | 125         | 431 x 406 x 125            | GDMR25-PA302FS8  | 1SKS 102 102 C3220 | 9            |
| TPN/SPN      | S800          | 4/12       | 125         | 481 x 406 x 125            | GDMR25-PA304FS8  | 1SKS 104 102 C3220 | 10           |
| TPN/SPN      | S800          | 6/18       | 125         | 531 x 406 x 125            | GDMR25-PA306FS8  | 1SKS 106 102 C3220 | 11.5         |
| TPN/SPN      | S800          | 8/24       | 125         | 581 x 406 x 125            | GDMR25-PA308FS8  | 1SKS 108 102 C3220 | 12.6         |
| TPN/SPN      | S800          | 12/36      | 125         | 681 x 406 x 125            | GDMR25-PA312FS8  | 1SKS 112 102 C3220 | 15           |
| TPN/SPN      | S800          | 16/48      | 125         | 781 x 406 x 125            | GDMR25-PA316FS8  | 1SKS 116 102 C3220 | 17.6         |

- The order code does not include the incoming or outgoing devices, these should be ordered separately.
- Fixed capacity means that all the outgoing ways are similar in S800 type
- The pan assembly does not include the main terminal cover for the incomer device

# Mirage S800

## 400 Amp Panelboards

### Technical Details - Ordering Details



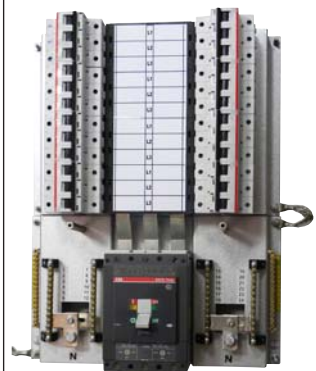
#### Technical details

|                                    |  |
|------------------------------------|--|
| Standard                           | : IEC 439-1, EN 60439-1/BS EN 60439-1 &3                         |
| Max. load                          | : 400 Amp  |
| Max. voltage                       | : 415V ac, 50/60 Hz  |
| Rated insulation voltage           | : 1000V ac   |
| Rated operational voltage          | : 690 V ac   |
| Range                              | : 4, 6, 8, 12 and 16 TP&N ways                                   |
| Incoming Device                    | : Max. 400 Amp, TP MCCB size T5                                  |
| Outgoing Device                    | : Max. 125 Amp, TP or SP MCB S800                                |
| Protection degree                  | : IP 42 (IP54 as an option on request)<br>IP 20 for pan assembly |
| Color                              | : RAL 7035   |
| Rated short time withstand current | : 36 KA at 415V. 0.25 pf   |
| Rated peak withstand current       | : 75.6 KA at 415V. 0.25 pf                                       |
| Rated impulse withstand voltage    | : 6 kV   |
| Enclosure material                 | : Cold rolled sheet steel 1.5 mm<br>(ALUZINK steel on request)   |

#### Mirage, Panelboards, incoming T5-400A and outgoing S800 125Amp., fixed capacity

| No. of poles | Outgoing data |            |             | Dimensions<br>H x W x D mm | Ordering details     |                           | Weight<br>kg |
|--------------|---------------|------------|-------------|----------------------------|----------------------|---------------------------|--------------|
|              | Type          | No of ways | Rating<br>A |                            | Type Code            | Type No.                  |              |
| TPN/SPN      | S800          | 4/12       | 125         | 650 x 700 x 160            | <b>GDMR40-304FS8</b> | <b>1SKS 404 242 C3320</b> | 67           |
| TPN/SPN      | S800          | 6/18       | 125         | 800 x 700 x 160            | <b>GDMR40-306FS8</b> | <b>1SKS 406 242 C3320</b> | 80           |
| TPN/SPN      | S800          | 8/24       | 125         | 800 x 700 x 160            | <b>GDMR40-308FS8</b> | <b>1SKS 408 242 C3320</b> | 83           |
| TPN/SPN      | S800          | 12/36      | 125         | 1300 x 700 x 160           | <b>GDMR40-312FS8</b> | <b>1SKS 412 242 C3320</b> | 90           |
| TPN/SPN      | S800          | 16/48      | 125         | 1300 x 700 x 160           | <b>GDMR40-316FS8</b> | <b>1SKS 416 242 C3320</b> | 105          |

- The order code does not include the incoming or outgoing devices, these should be ordered separately.
- Fixed capacity means that all the outgoing ways are similar in S800 type.
- The panel does not include the main terminal cover for the incomer device.



#### Mirage, Pan assembly, incoming T5-400A and outgoing S800, 125Amp., fixed capacity

| No. of poles | Outgoing data |            |             | Dimensions<br>H x W x D mm | Ordering details       |                           | Weight<br>kg |
|--------------|---------------|------------|-------------|----------------------------|------------------------|---------------------------|--------------|
|              | Type          | No of ways | Rating<br>A |                            | Type Code              | Type No.                  |              |
| TPN/SPN      | S800          | 4/12       | 125         | 481 x 456 x 125            | <b>GDMR40-PA304FS8</b> | <b>1SKS 404 102 C3220</b> | 15           |
| TPN/SPN      | S800          | 6/18       | 125         | 531 x 456 x 125            | <b>GDMR40-PA306FS8</b> | <b>1SKS 406 102 C3220</b> | 18           |
| TPN/SPN      | S800          | 8/24       | 125         | 581 x 456 x 125            | <b>GDMR40-PA308FS8</b> | <b>1SKS 408 102 C3220</b> | 21           |
| TPN/SPN      | S800          | 12/36      | 125         | 702 x 456 x 125            | <b>GDMR40-PA312FS8</b> | <b>1SKS 412 102 C3220</b> | 26           |
| TPN/SPN      | S800          | 16/48      | 125         | 802 x 456 x 125            | <b>GDMR40-PA316FS8</b> | <b>1SKS 416 102 C3220</b> | 32           |

- The order code does not include the incoming or outgoing devices, these should be ordered separately.
- Fixed capacity means that all the outgoing ways are similar in S800 type.
- The pan assembly does not include the main terminal cover for the incomer device.

# Mirage S800

## 630 Amp Panelboards

### Ordering Details (continued)



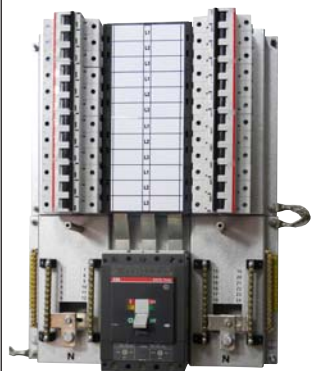
#### Technical details

|                                    |  |
|------------------------------------|--|
| Standard                           | : IEC 439-1, EN 60439-1/BS EN 60439-1 & 3                        |
| Max. load                          | : 630 Amp  |
| Max. voltage                       | : 415V ac, 50/60 Hz  |
| Rated insulation voltage           | : 1000V ac   |
| Rated operational voltage          | : 690 V ac   |
| Range                              | : 4, 6, 8, 12 and 16 TP&N ways                                   |
| Incoming Device                    | : Max. 630 Amp, TP MCCB size T5-630 PR221DS                      |
| Outgoing Device                    | : Max. 125 Amp, TP or SP MCB S800                                |
| Protection degree                  | : IP 42 (IP54 as an option on request)<br>IP 20 for pan assembly |
| Color                              | : RAL 7035   |
| Rated short time withstand current | : 50 KA at 415V. 0.25 pf   |
| Rated peak withstand current       | : 105 KA at 415V. 0.25 pf  |
| Rated impulse withstand voltage    | : 6 kV   |
| Enclosure material                 | : Cold rolled sheet steel 1.5 mm<br>(ALUZINK steel on request)   |

#### Mirage, Panelboards, incoming T5-630A and outgoing S800 125Amp., fixed capacity

| No. of poles | Outgoing data |            |             | Dimensions<br>H x W x D mm | Ordering details     |                           | Weight<br>kg |
|--------------|---------------|------------|-------------|----------------------------|----------------------|---------------------------|--------------|
|              | Type          | No of ways | Rating<br>A |                            | Type Code            | Type No.                  |              |
| TPN/SPN      | S800          | 4/12       | 125         | 800 x 700 x 160            | <b>GDMR63-304FS8</b> | <b>1SKS 604 242 C3320</b> | 73           |
| TPN/SPN      | S800          | 6/18       | 125         | 1000 x 700 x 160           | <b>GDMR63-306FS8</b> | <b>1SKS 606 242 C3320</b> | 85           |
| TPN/SPN      | S800          | 8/24       | 125         | 1000 x 700 x 160           | <b>GDMR63-308FS8</b> | <b>1SKS 608 242 C3320</b> | 89           |
| TPN/SPN      | S800          | 12/36      | 125         | 1500 x 700 x 160           | <b>GDMR63-312FS8</b> | <b>1SKS 612 242 C3320</b> | 104          |
| TPN/SPN      | S800          | 16/48      | 125         | 1500 x 700 x 160           | <b>GDMR63-316FS8</b> | <b>1SKS 616 242 C3320</b> | 110          |

- The order code does not include the incoming or outgoing devices, these should be ordered separately.
- Fixed capacity means that all the outgoing ways are similar in S800 type.
- The panel does not include the main terminal cover for the incomer device.



#### Mirage, Pan assembly, incoming T5-630A and outgoing S800, 125Amp., fixed capacity

| No. of poles | Outgoing data |            |             | Dimensions<br>H x W x D mm | Ordering details       |                           | Weight<br>kg |
|--------------|---------------|------------|-------------|----------------------------|------------------------|---------------------------|--------------|
|              | Type          | No of ways | Rating<br>A |                            | Type Code              | Type No.                  |              |
| TPN/SPN      | S800          | 4/12       | 125         | 481 x 456 x 125            | <b>GDMR63-PA304FS8</b> | <b>1SKS 604 102 C3220</b> | 16           |
| TPN/SPN      | S800          | 6/18       | 125         | 531 x 456 x 125            | <b>GDMR63-PA306FS8</b> | <b>1SKS 606 102 C3220</b> | 19           |
| TPN/SPN      | S800          | 8/24       | 125         | 581 x 456 x 125            | <b>GDMR63-PA308FS8</b> | <b>1SKS 608 102 C3220</b> | 22           |
| TPN/SPN      | S800          | 12/36      | 125         | 702 x 456 x 125            | <b>GDMR63-PA312FS8</b> | <b>1SKS 612 102 C3220</b> | 27           |
| TPN/SPN      | S800          | 16/48      | 125         | 802 x 456 x 125            | <b>GDMR63-PA316FS8</b> | <b>1SKS 616 102 C3220</b> | 33           |

- The order code does not include the incoming or outgoing devices, these should be ordered separately.
- Fixed capacity means that all the outgoing ways are similar in S800 type.
- The pan assembly does not include the main terminal cover for the incomer device.

# Mirage S800

## Panelboards

### Accessories - Ordering Details



#### Mirage S800, 250 Amp Panelboards Accessories

##### Top extension box kit

| Type                      | Dimensions<br>H x W x D mm | Ordering details |                    | Weight<br>kg |
|---------------------------|----------------------------|------------------|--------------------|--------------|
|                           |                            | Type Code        | Type No.           |              |
| Blank cover 200 mm height | 200 x 650 x 125            | GDMR25-ATB2B     | 1SKA 660 442 C0101 | 5            |
| Blank cover 400 mm height | 400 x 650 x 125            | GDMR25-ATB4B     | 1SKA 660 442 C0102 | 7.3          |
| Measuring 200 mm height   | 200 x 650 x 125            | GDMR25-ATM2A     | 1SKA 660 442 C0103 | 5.5          |
| Measuring 400 mm height   | 400 x 650 x 125            | GDMR25-ATM4A     | 1SKA 660 442 C0104 | 7.7          |

Measuring box does not include the measuring devices

##### Bottom extension plinth

| Type          | Dimensions<br>H x W x D mm | Ordering details |                    | Weight<br>kg |
|---------------|----------------------------|------------------|--------------------|--------------|
|               |                            | Type Code        | Type No.           |              |
| 200 mm height | 200 x 650 x 125            | GDMR25-ABP2C     | 1SKA 661 442 C0101 | 5            |
| 400 mm height | 400 x 650 x 125            | GDMR25-ABP4C     | 1SKA 661 442 C0102 | 7.3          |

##### Special kit for current transformer

| Type            | CT rating | Ordering details |                    | Weight<br>kg |
|-----------------|-----------|------------------|--------------------|--------------|
|                 |           | Type Code        | Type No.           |              |
| 250A MCCB-panel | 250/5A    | GDMR25-ACT5      | 1SKA 663 000 C0101 | 0.8          |

The CT kit does not includes the current transformers, these must be ordered separately

#### Mirage S800, 400 Amp Panelboards Accessories

##### Top extension box kit

| Type                      | Dimensions<br>H x W x D mm | Ordering details |                    | Weight<br>kg |
|---------------------------|----------------------------|------------------|--------------------|--------------|
|                           |                            | Type Code        | Type No.           |              |
| Blank cover 250 mm height | 250 x 700 x 125            | GDMR40-ATB2B     | 1SKA 660 442 C4101 | 6.5          |
| Blank cover 400 mm height | 400 x 700 x 125            | GDMR40-ATB4B     | 1SKA 660 442 C4102 | 9            |
| Measuring 250 mm height   | 250 x 700 x 125            | GDMR40-ATM2A     | 1SKA 660 442 C4103 | 6.9          |
| Measuring 400 mm height   | 400 x 700 x 125            | GDMR40-ATM4A     | 1SKA 660 442 C4104 | 9.4          |

Measuring box does not include the measuring devices

##### Bottom extension plinth

| Type          | Dimensions<br>H x W x D mm | Ordering details |                    | Weight<br>kg |
|---------------|----------------------------|------------------|--------------------|--------------|
|               |                            | Type Code        | Type No.           |              |
| 250 mm height | 250 x 700 x 125            | GDMR40-ABP2C     | 1SKA 661 442 C4101 | 6.5          |
| 400 mm height | 400 x 700 x 125            | GDMR40-ABP4C     | 1SKA 661 442 C4102 | 9            |

##### Special kit for current transformer

| Type            | CT rating | Ordering details |                    | Weight<br>kg |
|-----------------|-----------|------------------|--------------------|--------------|
|                 |           | Type Code        | Type No.           |              |
| 400A MCCB-panel | 400/5A    | GDMR40-ACT5      | 1SKA 663 000 C4201 | 0.8          |

The CT kit does not includes the current transformers, these must be ordered separately

#### Mirage S800, 630 Amp Panelboards Accessories

##### Top extension box kit

| Type                      | Dimensions<br>H x W x D mm | Ordering details |                    | Weight<br>kg |
|---------------------------|----------------------------|------------------|--------------------|--------------|
|                           |                            | Type Code        | Type No.           |              |
| Blank cover 250 mm height | 250 x 700 x 160            | GDMR63-ATB2B     | 1SKA 660 442 C4105 | 6.8          |
| Blank cover 400 mm height | 400 x 700 x 160            | GDMR63-ATB4B     | 1SKA 660 442 C4106 | 9.3          |
| Measuring 250 mm height   | 250 x 700 x 160            | GDMR63-ATM2A     | 1SKA 660 442 C4107 | 7.2          |
| Measuring 400 mm height   | 400 x 700 x 160            | GDMR63-ATM4A     | 1SKA 660 442 C4108 | 9.7          |

Measuring box does not include the measuring devices

##### Bottom extension plinth

| Type          | Dimensions<br>H x W x D mm | Ordering details |                    | Weight<br>kg |
|---------------|----------------------------|------------------|--------------------|--------------|
|               |                            | Type Code        | Type No.           |              |
| 250 mm height | 250 x 700 x 160            | GDMR63-ABP2C     | 1SKA 661 442 C4103 | 6.8          |
| 400 mm height | 400 x 700 x 160            | GDMR63-ABP4C     | 1SKA 661 442 C4104 | 9.3          |

##### Special kit for current transformer

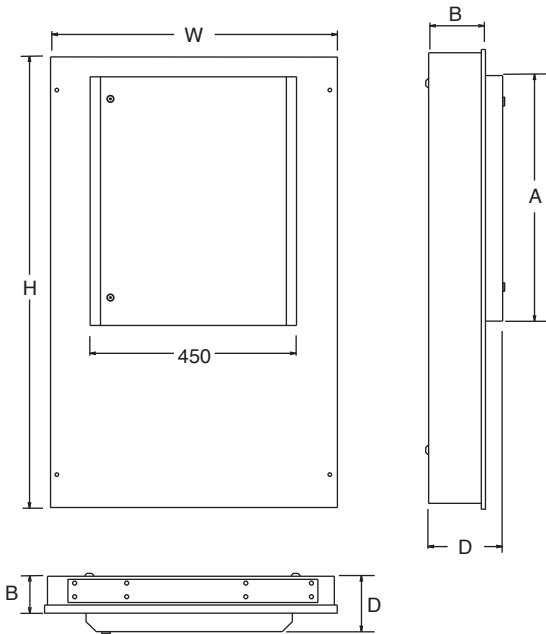
| Type            | CT rating | Ordering details |                    | Weight<br>kg |
|-----------------|-----------|------------------|--------------------|--------------|
|                 |           | Type Code        | Type No.           |              |
| 630A MCCB-panel | 630/5A    | GDMR63-ACT5      | 1SKA 663 000 C6101 | 0.8          |

The CT kit does not includes the current transformers, these must be ordered separately

# Mirage S800

## Panelboards

### Dimensional Details



#### Mirage S800 250 Amp Panelboards

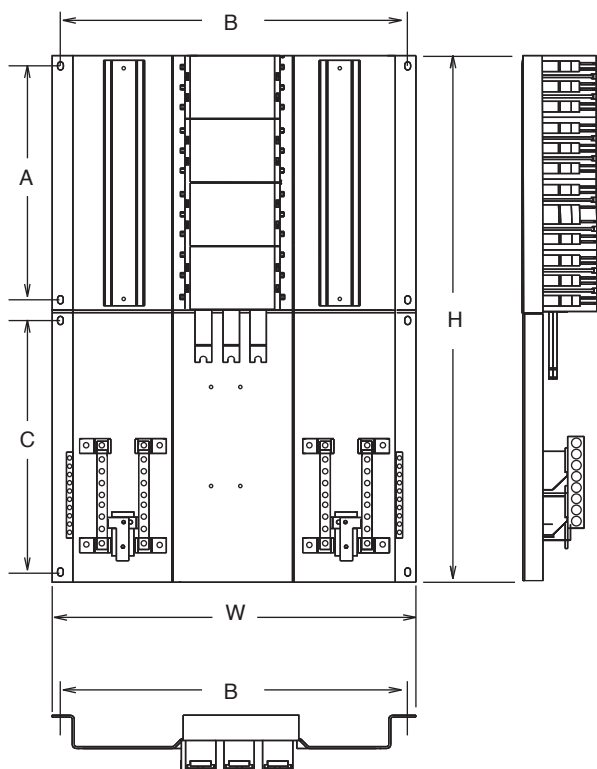
| Type Code     | H (mm) | W (mm) | D (mm) | A (mm) | B (mm) |
|---------------|--------|--------|--------|--------|--------|
| GDMR25-302FS8 | 650    | 650    | 160    | 350    | 125    |
| GDMR25-304FS8 | 650    | 650    | 160    | 350    | 125    |
| GDMR25-306FS8 | 800    | 650    | 160    | 550    | 125    |
| GDMR25-308FS8 | 800    | 650    | 160    | 550    | 125    |
| GDMR25-312FS8 | 1100   | 650    | 160    | 800    | 125    |
| GDMR25-316FS8 | 1100   | 650    | 160    | 800    | 125    |

#### Mirage S800 400 Amp Panelboards

| Type Code     | H (mm) | W (mm) | D (mm) | A (mm) | B (mm) |
|---------------|--------|--------|--------|--------|--------|
| GDMR40-304FS8 | 650    | 700    | 160    | 350    | 125    |
| GDMR40-306FS8 | 800    | 700    | 160    | 550    | 125    |
| GDMR40-308FS8 | 800    | 700    | 160    | 550    | 125    |
| GDMR40-312FS8 | 1300   | 700    | 160    | 800    | 125    |
| GDMR40-316FS8 | 1300   | 700    | 160    | 800    | 125    |

#### Mirage S800 630 Amp Panelboards

| Type Code     | H (mm) | W (mm) | D (mm) | A (mm) | B (mm) |
|---------------|--------|--------|--------|--------|--------|
| GDMR63-304FS8 | 800    | 700    | 160    | 350    | 125    |
| GDMR63-306FS8 | 1000   | 700    | 160    | 550    | 125    |
| GDMR63-308FS8 | 1000   | 700    | 160    | 550    | 125    |
| GDMR63-312FS8 | 1500   | 700    | 160    | 800    | 125    |
| GDMR63-316FS8 | 1500   | 700    | 160    | 800    | 125    |



#### Mirage S800 250 Amp, Pan assembly

| Type Code       | H (mm) | W (mm) | A (mm) | B (mm) | C (mm) |
|-----------------|--------|--------|--------|--------|--------|
| GDMR25-PA302FS8 | 431    | 406    | 145    | 386    | 242    |
| GDMR25-PA304FS8 | 481    | 406    | 195    | 386    | 242    |
| GDMR25-PA306FS8 | 531    | 406    | 245    | 386    | 242    |
| GDMR25-PA308FS8 | 581    | 406    | 295    | 386    | 242    |
| GDMR25-PA312FS8 | 681    | 406    | 395    | 386    | 242    |
| GDMR25-PA316FS8 | 781    | 406    | 495    | 386    | 242    |

#### Mirage S800 400 Amp, Pan assembly

| Type Code       | H (mm) | W (mm) | A (mm) | B (mm) | C (mm) |
|-----------------|--------|--------|--------|--------|--------|
| GDMR40-PA304FS8 | 481    | 456    | 195    | 436    | 242    |
| GDMR40-PA306FS8 | 531    | 456    | 245    | 436    | 242    |
| GDMR40-PA308FS8 | 581    | 456    | 295    | 436    | 242    |
| GDMR40-PA312FS8 | 702    | 456    | 395    | 436    | 262    |
| GDMR40-PA316FS8 | 802    | 456    | 495    | 436    | 262    |

#### Mirage S800 630 Amp, Pan assembly

| Type Code       | H (mm) | W (mm) | A (mm) | B (mm) | C (mm) |
|-----------------|--------|--------|--------|--------|--------|
| GDMR63-PA304FS8 | 481    | 456    | 295    | 436    | 242    |
| GDMR63-PA306FS8 | 531    | 456    | 242    | 436    | 242    |
| GDMR63-PA308FS8 | 581    | 456    | 295    | 436    | 242    |
| GDMR63-PA312FS8 | 702    | 456    | 395    | 436    | 262    |
| GDMR63-PA316FS8 | 802    | 456    | 495    | 436    | 262    |

# Contact us

## ABB

7 Dr. Mohamed Kamel Hussein St.,  
El Nozha El Gedeida, Heliopolis. Cairo, Egypt.

Tel.: + 202 2622 4660

Sales Tel.: + 202 2625 1448 - 2625 1446

Fax: + 202 2622 2642

[paul.north@eg.abb.com](mailto:paul.north@eg.abb.com)

[www.abb.com/mea/lowvoltage](http://www.abb.com/mea/lowvoltage)

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