



**Automatización Eléctrica**

Especialistas en Automatización

At the end of this document you will find links to products related to this catalog. You can go directly to our shop by clicking [HERE](#)

## General Information

|                        |  |
|------------------------|--|
| Extended Product Type: | GAF1250-10-11 24-60V DC  |
| Product ID:            | 1SFL647025R6811  |
| EAN:                   | 7320500400807  |
| Catalog Description:   | GAF1250-10-11 24-60V DC Contactor  |
| Long Description:      | A 3-pole Contactor suitable for DC-1 applications where all three poles must be connected in series in a 1-pole configuration up to max 1000 VDC. Operated with wide control voltage range 24-60 V, DC |

## Categories

Products » Low Voltage Products and Systems » Control Products » Contactors » Block Contactors

## Ordering

|                         |               |
|-------------------------|---------------|
| EAN:                    | 7320500400807 |
| Minimum Order Quantity: | 1 piece       |
| Customs Tariff Number:  | 85364900      |

## Dimensions

|                     |           |
|---------------------|-----------|
| Product Net Width:  | 210.0 mm  |
| Product Net Depth:  | 242.0 mm  |
| Product Net Height: | 344.0 mm  |
| Product Net Weight: | 15.000 kg |

## Container Information

|                               |               |
|-------------------------------|---------------|
| Package Level 1 Units:        | 1 piece       |
| Package Level 1 Width:        | 290 mm        |
| Package Level 1 Length:       | 280 mm        |
| Package Level 1 Height:       | 380 mm        |
| Package Level 1 Gross Weight: | 16 kg         |
| Package Level 1 EAN:          | 7320500400807 |

## Technical

|   |  |
|---|--|
| Number of Main Contacts NO:                         | 3  |
| Number of Main Contacts NC:                         | 0  |
| Number of Auxiliary Contacts NO:                    | 1  |
| Number of Auxiliary Contacts NC:                    | 1  |
| Rated Operational Voltage:                          | Main Circuit 1000 V  |
| Conventional Free-air Thermal Current ( $I_{th}$ ): | acc. to IEC 60947-4-1, Open Contactors $q = 40^\circ\text{C}$ 1260 A   |
| Rated Operational Current DC-1 ( $I_e$ ):           | (1000 V) 1250 A  |
| Rated Insulation Voltage ( $U_i$ ):                 | acc. to UL/CSA 600 V<br>acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V  |
| Rated Impulse Withstand Voltage ( $U_{imp}$ ):      | Main Circuit 8 kV  |
| Mechanical Durability:                              | 0.5 million  |
| Maximum Mechanical Switching Frequency:             | 300 cycles per hour  |
| Coil Operating Limits:                              | (acc. to IEC 60947-4-1) 0.85 x $U_c$ Min. ... 1.1 x $U_c$ Max. (at $\theta \leq 70^\circ\text{C}$ ) $^\circ\text{C}$   |
| Rated Control Circuit Voltage ( $U_c$ ):            | DC Operation 24...60 V   |
| Coil Consumption:                                   | Pull-in at Max. Rated Control Circuit Voltage 60 Hz 850 V·A<br>Holding at Max. Rated Control Circuit Voltage DC 4 W<br>Holding at Max. Rated Control Circuit Voltage 50 Hz 12 V·A<br>Pull-in at Max. Rated Control Circuit Voltage DC 950 W<br>Pull-in at Max. Rated Control Circuit Voltage 50 Hz 850 V·A<br>Holding at Max. Rated Control Circuit Voltage 60 Hz 12 V·A |
| Connecting Capacity-Main Circuit:                   | Bar 50 mm  |
| Connecting Capacity-Auxiliary Circuit:              | Solid 1x1...4 mm <sup>2</sup><br>Flexible with Insulated Ferrule 2x0.75...2.5 mm <sup>2</sup><br>Stranded 2x1...4 mm <sup>2</sup><br>Flexible 2x0.75...2.5 mm <sup>2</sup><br>Flexible with Ferrule 1x0.75...2.5 mm <sup>2</sup>   |
| Degree of Protection:                               | acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20<br>acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP00   |
| Terminal Type:                                      | Main Circuit: Bars   |

## Environmental

---

|  |  |
|--|--|
| <b>Ambient Air Temperature:</b>                    | Storage -40...+70 °C<br>Operation -40...+70 °C   |
| <b>Maximum Operating Altitude Permissible:</b>     | 3000 m   |
| <b>Resistance to Shock acc. to IEC 60068-2-27:</b> | Shock Direction: A 5 g<br>Shock Direction: C2 5 g<br>Shock Direction: B2 5 g<br>Shock Direction: C1 5 g<br>Shock Direction: B1 5 g |
| <b>RoHS Status:</b>                                | Following EU Directive 2002/95/EC August 18, 2005 and amendment  |

---

## Technical UL/CSA

---

|  |                    |
|--|--------------------|
| <b>Maximum Operating Voltage UL/CSA:</b> | Main Circuit 600 V |
|--|--------------------|

---

## Certificates and Declarations (Document Number)

---

|  |                      |
|--|----------------------|
| <b>CB Certificate:</b>                 | SE-67143             |
| <b>CCC Certificate:</b>                | CQC_2012010304562753 |
| <b>Declaration of Conformity - CE:</b> | 2CMT003520           |
| <b>RoHS Information:</b>               | 1SFC101067D0201      |

---

## Classifications

---

|                |  |
|----------------|--|
| <b>ETIM 5:</b> | EC002552 - Power contactor, DC switching |
| <b>UNSPSC:</b> | 39121529                                 |

---





**Automatización Eléctrica**  
Especialistas en Automatización

Below is a list of articles with direct links to our shop Electric Automation Network where you can see:

- Quote per purchase volume in real time.
- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, [click on the green button.](#)

| <b>Product</b>                    | <b>Code</b>     | <b>Reference</b> | <b>Product link</b>        |
|-----------------------------------|-----------------|------------------|----------------------------|
| GAF1250-10-11 24-60V DC Contactor | 1SFL647025R6811 | GAF1250-10-11    | <a href="#">Buy on EAN</a> |