

PRODUCT-DETAILS

# AF1650-30-00-70

## AF1650-30-00-70 Contactor



### General Information

|                       |                           |
|-----------------------|---------------------------|
| Extended Product Type | AF1650-30-00-70           |
| Product ID            | 1SFL677001R7000           |
| EAN                   | 7320500514061             |
| Catalog Description   | AF1650-30-00-70 Contactor |

|                  |   |
|------------------|---|
| Long Description | <p>The AF1650-30-00-70 is a 3 pole - 1000 V IEC or 1000 V UL contactor and Main Circuit Bars, controlling motors up to 560 kW / 400 V AC (AC-3) or 1150 hp / 480 V UL and switching power circuits up to 1650 A (AC-1) or 1650 A UL general use. Thanks to the AF technology, the contactor has a wide control voltage range (100-250 V 50/60 Hz and DC), managing large control voltage variations, reducing panel energy consumptions and ensuring distinct operations in unstable networks. Furthermore, surge protection is built-in, offering a compact solution. AF contactors have a block type design, can be easily extended with add-on auxiliary contact blocks and an additional wide range of accessories.</p> |
|------------------|---|

### Ordering

|                        |          |
|------------------------|----------|
| Minimum Order Quantity | 1 piece  |
| Customs Tariff Number  | 85364900 |

### Popular Downloads

|                          |                 |
|--------------------------|-----------------|
| Instructions and Manuals | 1SFC101002M5501 |
|--------------------------|-----------------|

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**Dimensions**


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|----------------------------|--------|
| Product Net Width          | 438 mm |
| Product Net Depth / Length | 244 mm |
| Product Net Height         | 392 mm |
| Product Net Weight         | 33 kg  |

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**Technical**


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| Number of Main Contacts NO                       | 3   |
| Number of Main Contacts NC                       | 0   |
| Number of Auxiliary Contacts NO                  | 0   |
| Number of Auxiliary Contacts NC                  | 0   |
| Rated Operational Current AC-1 (I <sub>e</sub> ) | (1000 V) 40 °C 1650 A<br>(1000 V) 55 °C 1450 A<br>(1000 V) 70 °C 1270 A<br>(690 V) 40 °C 1650<br>(690 V) 55 °C 1450<br>(690 V) 70 °C 1270   |
| Rated Operational Current AC-3 (I <sub>e</sub> ) | (415 V) 55 °C 1060 A<br>(440 V) 55 °C 1060 A<br>(500 V) 55 °C 970 A<br>(690 V) 55 °C 970 A<br>(1000 V) 55 °C 400 A<br>(380 / 400 V) 55 °C 1060 A<br>(220 / 230 / 240 V) 55 °C 1060  |
| Rated Insulation Voltage (U <sub>i</sub> )       | acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V<br>acc. to UL/CSA 1000 V  |
| Coil Consumption                                 | Holding at Max. Rated Control Circuit Voltage 50 Hz 48 V-A<br>Holding at Max. Rated Control Circuit Voltage 60 Hz 48 V-A<br>Pull-in at Max. Rated Control Circuit Voltage 50 Hz 2450 V-A<br>Pull-in at Max. Rated Control Circuit Voltage 60 Hz 2450 V-A<br>Pull-in at Max. Rated Control Circuit Voltage DC 2290 V-A |

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**Technical UL/CSA**


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|----------------------------------|---|
| Maximum Operating Voltage UL/CSA | Main Circuit 1000 V                     |
| General Use Rating UL/CSA        | (1000 V AC) 1650 A<br>(600 V AC) 1650 A |

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**Environmental**


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| RoHS Status | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
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**Certificates and Declarations (Document Number)**


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|---------------------------------|--|
| ABS Certificate                 | 15-LD1408622-PDA                           |
| BV Certificate                  | BV_13409-C0BV                              |
| CB Certificate                  | SEMKO_SE-74013                             |
| CCS Certificate                 | GB14T00030                                 |
| CQC Certificate                 | CQC2003010304101933<br>CQC2015010304752548 |
| cUL Certificate                 | UL_20130904-E73397                         |
| Declaration of Conformity - CCC | 2020980304001303<br>2020980304001043       |

|                                |                                    |
|--------------------------------|------------------------------------|
| Declaration of Conformity - CE | 2CMT2019-005796                    |
| DNV GL Certificate             | TAE00001W1                         |
| EAC Certificate                | 9AKK107046A8618                    |
| Environmental Information      | 1SFC101014D0201<br>1SAC200046H0008 |
| Instructions and Manuals       | 1SFC101002M5501                    |
| LR Certificate                 | 16-20064                           |
| PRS Certificate                | TE_2092_880423_16                  |
| RINA Certificate               | ELE060313XG_002                    |
| RMRS Certificate               | 9AKK107045A6978                    |
| RoHS Information               | 2CMT2019-005796                    |
| UL Listing Card                | UL_E73397                          |

## Container Information

|                                |        |
|--------------------------------|--------|
| Package Level 1 Width          | 555 mm |
| Package Level 1 Depth / Length | 365 mm |
| Package Level 1 Height         | 500 mm |
| Package Level 1 Gross Weight   | 35 kg  |

## Classifications

|                                    |  |
|------------------------------------|--|
| Object Classification Code         | Q  |
| ETIM 6                             | EC000066 - Power contactor, AC switching |
| ETIM 7                             | EC000066 - Power contactor, AC switching |
| eClass                             | V11.0 : 27371003                         |
| UNSPSC                             | 39121529                                 |
| IDEA Granular Category Code (IGCC) | 4755 >> Contactors                       |

## Categories

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

