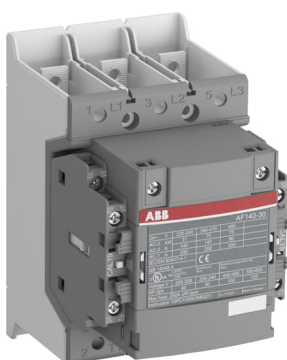


## PRODUCT-DETAILS

# AF140B-30-22RT-12

## AF140B-30-22RT-12 Contactor



### General Information

|                       |                                                                                                                                                                                                                   |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | AF140B-30-22RT-12                                                                                                                                                                                                 |
| Product ID            | 1SFL447062R1222                                                                                                                                                                                                   |
| EAN                   | 7320500509869                                                                                                                                                                                                     |
| Catalog Description   | AF140B-30-22RT-12 Contactor                                                                                                                                                                                       |
| Long Description      | A 3-pole Contactor suitable for Railway applications such as Motor starting, Isolation, By-pass and Distribution application up to max 690 V. Operated with wide control voltage range 48-130 V, 50 /60 Hz and DC |

### Ordering

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

### Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 1SBC100192C0204 |
| Instructions and Manuals          | 1SFC100003M0201 |

### Dimensions

|                     |        |
|---------------------|--------|
| Product Net Width   | 90 mm  |
| Product Net Depth / | 126 mm |

## Length

|                    |        |
|--------------------|--------|
| Product Net Height | 150 mm |
| Product Net Weight | 1.3 kg |

**Technical**

|                                                 |                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of Main Contacts NO                      | 3                                                                                                                                                                                                                                                                                                                                                    |
| Number of Main Contacts NC                      | 0                                                                                                                                                                                                                                                                                                                                                    |
| Number of Auxiliary Contacts NO                 | 2                                                                                                                                                                                                                                                                                                                                                    |
| Number of Auxiliary Contacts NC                 | 2                                                                                                                                                                                                                                                                                                                                                    |
| Standards                                       | IEC/EN 60947-1, IEC/EN 60947-4-1, UL 60947-4-1, CSA C22.2 No. 60947-4-1, IEC 60077-1 (applicable parts), IEC 60077-2 (applicable parts), EN 50155 (applicable parts), TR CU 001/2011, IEC 61373, For compliance confirmation on applicable parts based on your application and combination, please consult your ABB sales representatives.           |
| Rated Operational Current AC-1 ( $I_e$ )        | (690 V) 40 °C 200<br>(690 V) 60 °C 175 A<br>(690 V) 70 °C 160                                                                                                                                                                                                                                                                                        |
| Rated Operational Current AC-3 ( $I_e$ )        | (415 V) 55 °C 140 A<br>(440 V) 55 °C 140 A<br>(500 V) 55 °C 130 A<br>(690 V) 55 °C 80 A<br>(380 / 400 V) 55 °C 140 A<br>(220 / 230 / 240 V) 55 °C 140                                                                                                                                                                                                |
| Rated Operational Power AC-3 ( $P_e$ )          | (415 V) 75 kW<br>(440 V) 90 kW<br>(500 V) 90 kW<br>(690 V) 75 kW<br>(380 / 400 V) 75 kW<br>(220 / 230 / 240 V) 37 kW                                                                                                                                                                                                                                 |
| Rated Short-time Withstand Current ( $I_{cw}$ ) | at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 1168 A<br>at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 200 A<br>at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 477 A<br>at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 1460 A<br>at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 674 A |
| Mechanical Durability                           | 5 million                                                                                                                                                                                                                                                                                                                                            |
| Maximum Mechanical Switching Frequency          | 300 cycles per hour                                                                                                                                                                                                                                                                                                                                  |
| Rated Control Circuit Voltage ( $U_c$ )         | 50 Hz / 60 Hz 48 ... 130 V<br>DC Operation 48 ... 130 V                                                                                                                                                                                                                                                                                              |
| Coil Consumption                                | Holding at Max. Rated Control Circuit Voltage 50 Hz 4 V-A<br>Holding at Max. Rated Control Circuit Voltage 60 Hz 4 V-A<br>Pull-in at Max. Rated Control Circuit Voltage 50 Hz 170 V-A<br>Pull-in at Max. Rated Control Circuit Voltage 60 Hz 170 V-A<br>Pull-in at Max. Rated Control Circuit Voltage DC 130 W                                       |
| Terminal Type                                   | Main Circuit: Bars                                                                                                                                                                                                                                                                                                                                   |

**Environmental**

|             |                                   |
|-------------|-----------------------------------|
| RoHS Status | Following EU Directive 2011/65/EU |
|-------------|-----------------------------------|

**Certificates and Declarations (Document Number)**

|                                 |                     |
|---------------------------------|---------------------|
| CB Certificate                  | SEMKO_SE-70479M1    |
| CCC Certificate                 | 2013010304604055    |
| CQC Certificate                 | CQC2013010304604055 |
| cUL Certificate                 | 20120925-E36588     |
| Declaration of Conformity - CCC | 2020980304001304    |

|                                |                 |
|--------------------------------|-----------------|
| Declaration of Conformity - CE | 2CMT2015-005440 |
| EAC Certificate                | 9AKK107046A8618 |
| Instructions and Manuals       | 15FC100003M0201 |
| RoHS Information               | 2CMT2015-005440 |

## Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 207 mm        |
| Package Level 1 Depth / Length | 216 mm        |
| Package Level 1 Height         | 150 mm        |
| Package Level 1 Gross Weight   | 1.5 kg        |
| Package Level 1 EAN            | 7320500509869 |

## Classifications

|                                    |                                           |
|------------------------------------|-------------------------------------------|
| Object Classification Code         | Q                                         |
| ETIM 4                             | EC000066 - Magnet contactor, AC-switching |
| ETIM 5                             | EC000066 - Magnet contactor, AC-switching |
| 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

