

## PRODUCT-DETAILS

AF75-22-00 48-130V 50Hz / 48-130V 60Hz /  
48-130V DC

AF75-22-00 48-130V 50Hz / 48-130V 60Hz / 48-  
130V DC Contactor



### Ogólne informacje

|                       |                                                               |
|-----------------------|---------------------------------------------------------------|
| Extended Product Type | AF75-22-00 48-130V 50Hz / 48-130V 60Hz / 48-130V DC           |
| ID Produktu           | 1SBL417501R6900                                               |
| Numer EAN             | 3471522115492                                                 |
| Opis katalogowy       | AF75-22-00 48-130V 50Hz / 48-130V 60Hz / 48-130V DC Contactor |

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Opis | <p>AF75 4-pole contactors are mainly used for controlling non-inductive or slightly inductive loads (i.e. resistance furnaces...) and generally for controlling power circuits up to 690 V AC and 440 V DC. The contactors can also be used for many other applications such lighting... The AF... contactors are fitted with an electronic coil interface which accepts a wide control voltage range, on AC 50/60 Hz or DC supplies. The same contactor can accept various supply voltages according to the different countries where the electrical equipment will be installed, or some fluctuation in the control voltage due to the local supply or network. The AF... contactors are also fully suitable for operation in AC or DC control circuit liable to voltage interruptions or voltage dip risks. Advantages: - Wide voltage range, e.g. 100 ... 250 V AC and DC - Can manage large voltage variations - Reduced power consumption - Very distinct closing and opening - Noise free - Can withstand voltage interruptions or voltage dips in the control supply (<math>\leq 20</math> ms). The AF... series 4-pole contactors are of the block type design. - Main poles and auxiliary contact blocks: 2 N.O. + 2 N.C. main poles, front and side -mounted add-on auxiliary contact blocks - Control circuit: AC or DC operated - Accessories: a wide range of accessories is available.</p> |
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### Charakterystyka zamówienia

|                            |          |
|----------------------------|----------|
| Minimalna ilość zamówienia | 1 sztuka |
| Kod taryfy celnej          | 85364900 |

## Najczęściej Pobierane

|                                       |                 |
|---------------------------------------|-----------------|
| Arkusze danych, informacja techniczna | 1SNC001003C0202 |
| Instrukcje i podręczniki              | FPTC407734P0003 |

## Wymiary

|                          |          |
|--------------------------|----------|
| Szerokość produktu netto | 92 mm    |
| Głębokość produktu netto | 119.5 mm |
| Wysokość produktu netto  | 110 mm   |
| Waga produktu netto      | 1.42 kg  |

## Dane techniczne

|                                                            |                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ilość styków głównych NO                                   | 2                                                                                                                                                                                                                                                                                                                                        |
| Ilość styków głównych NC                                   | 2                                                                                                                                                                                                                                                                                                                                        |
| Ilość styków pomocniczych NO                               | 0                                                                                                                                                                                                                                                                                                                                        |
| Ilość styków pomocniczych NC                               | 0                                                                                                                                                                                                                                                                                                                                        |
| Standardy                                                  | IEC/EN 60947-1, IEC/EN 60947-4-1, UL 508, CSA C22-2 N°14, IEC 60077-1 (applicable parts), IEC 60077-2 (applicable parts), EN 50155 (applicable parts), TR CU 001/2011 (on request), IEC 61373, For compliance confirmation on applicable parts based on your application and combination, please consult your ABB sales representatives. |
| Znamionowe napięcie pracy                                  | Obwód główny 690 V                                                                                                                                                                                                                                                                                                                       |
| Prąd przy chłodzeniu konwencjonalnym ( $I_{th}$ )          | wg IEC 60947-4-1, Open Contactors $\vartheta=40^{\circ}\text{C}$ 125 A                                                                                                                                                                                                                                                                   |
| Znamionowy prąd pracy AC-1 ( $I_e$ )                       | (690 V) $40^{\circ}\text{C}$ 125<br>(690 V) $55^{\circ}\text{C}$ 105<br>(690 V) $70^{\circ}\text{C}$ 85                                                                                                                                                                                                                                  |
| Short-Circuit Protective Devices                           | Bezpieczniki typu gG 160 A                                                                                                                                                                                                                                                                                                               |
| Maksymalna zdolność wyłączenia                             | $\cos \phi=0.45$ ( $\cos \phi=0.35$ for $I_e > 100$ A) at 440 V 1300 A<br>$\cos \phi=0.45$ ( $\cos \phi=0.35$ for $I_e > 100$ A) at 690 V 630 A                                                                                                                                                                                          |
| Maksymalna wytrzymałość elektryczna                        | (AC-1) 300 cykli na godzinę<br>(AC-2 / AC-4) 150 cykli na godzinę<br>(AC-3) 300 cykli na godzinę                                                                                                                                                                                                                                         |
| Znamionowe napięcie izolacji ( $U_i$ )                     | wg IEC 60947-4-1 i VDE 0110 (Gr. C) 1000 V<br>wg UL/CSA 600 V                                                                                                                                                                                                                                                                            |
| Znamionowa wytrzymałość na impuls napięciowy ( $U_{imp}$ ) | 8 kV                                                                                                                                                                                                                                                                                                                                     |
| Maksymalna wytrzymałość mechaniczna                        | 300 cykli na godzinę                                                                                                                                                                                                                                                                                                                     |
| Ograniczenie napięcia cewki ( $U_c$ )                      | 50 Hz 48 ... 130 V<br>60 Hz 48 ... 130 V<br>DC Operation 48 ... 130 V                                                                                                                                                                                                                                                                    |
| Coil Consumption                                           | Holding at Max. Rated Control Circuit Voltage 50 Hz 7 2.8 V·A<br>Holding at Max. Rated Control Circuit Voltage 60 Hz 7 2.8 V·A<br>Pull-in at Max. Rated Control Circuit Voltage 50 Hz 210 V·A                                                                                                                                            |

|                                       |                                                                                                                                                                                                                                                                           |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                       | Pull-in at Max. Rated Control Circuit Voltage 60 Hz 210 V·A                                                                                                                                                                                                               |
| Operate Time                          | Between Coil De-energization and NC Contact Closing 35 ... 115 ms<br>Between Coil De-energization and NO Contact Opening 30 ... 110 ms<br>Between Coil Energization and NC Contact Opening 27 ... 95 ms<br>Between Coil Energization and NO Contact Closing 30 ... 100 ms |
| Dane montażowe-obwód główny (roboczy) | Flexible with Cable End 6 ... 16 mm²<br>Rigid Cable 6 ... 25 mm²                                                                                                                                                                                                          |
| Dane montażowe-obwód pomocniczy       | Flexible with Cable End 0.75 ... 2.5 mm²<br>Rigid Cable 1 ... 4 mm²                                                                                                                                                                                                       |
| Stopień ochrony obudowy               | acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20                                                                                                                                                                                                              |
| Typ terminala                         | Screw Terminals                                                                                                                                                                                                                                                           |

## Normy środowiskowe

|                                      |                                                                                                                                                                                              |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Temperatura powietrza otoczenia      | Blisko stycznika dla przechowywania -60 ... +80 °C<br>Blisko stycznika dla eksploatacji na wolnym powietrzu -40 ... +70 °C                                                                   |
| Maksymalna wysokość montażu m.n.p.m  | 3000 m                                                                                                                                                                                       |
| Odporność na wstrząsy IEC 60068-2-27 | Closed, Shock Direction: B1 10 K40<br>Open, Shock Direction: B1 3 K40<br>Shock Direction: A 20 K40<br>Shock Direction: B2 10 K40<br>Shock Direction: C1 20 K40<br>Shock Direction: C2 20 K40 |
| Status RoHS                          | Following EU Directive 2011/65/EU                                                                                                                                                            |

## Certyfikaty i deklaracje (Numer dokumentu)

|                                 |                                            |
|---------------------------------|--------------------------------------------|
| Certyfikat CB                   | CB_CN45489                                 |
| Certyfikat CCC                  | CCC_2018010304134049                       |
| Certyfikat CQC                  | CQC2018010304134049<br>CQC2010010304402983 |
| Declaration of Conformity - CCC | 2020980304001624<br>2020980304001225       |
| Deklaracja zgodności - CE       | 1SBD250803U1000                            |
| Informacje środowiskowe         | 1SBD250022E1002                            |
| Certyfikat GOST                 | GOST_POCCFRME77B07175                      |
| Instrukcje i podręczniki        | FPTC407734P0003                            |
| Dane RoHS                       | 1SBD250803U1000                            |
| UL Certificate                  | UL_20120830-E312527-10-1                   |
| UL Listing Card                 | UL_E312527                                 |

## Informacje o pakowaniu

|                                   |          |
|-----------------------------------|----------|
| Jednostka opakowania (poziom 1)   | 1 sztuka |
| Szerokość opakowania (poziom 1)   | 142 mm   |
| Długość opakowania (poziom 1)     | 190 mm   |
| Wysokość opakowania (poziom 1)    | 136 mm   |
| Waga opakowania brutto (poziom 1) | 1.42 kg  |

|                                   |               |
|-----------------------------------|---------------|
| EAN opakowania (poziom 1)         | 3471522115492 |
| Jednostka opakowania (poziom 2)   | box 8 sztuka  |
| Szerokość opakowania (poziom 2)   | 503 mm        |
| Długość opakowania (poziom 2)     | 153 mm        |
| Wysokość opakowania (poziom 2)    | 307 mm        |
| Waga opakowania brutto (poziom 2) | 11.36 kg      |
| Jednostka opakowania (poziom 3)   | 84 sztuka     |

Klasyfikacje

|                  |                                           |
|------------------|-------------------------------------------|
| Kod klasyfikacji | 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                                  |

Kategorie

Produkty niskiego napięcia i systemy → Aparatura sterownicza → Styczniki → Styczniki uniwersalne

