



PRODUCT-DETAILS

AF26-40-00-14

AF26-40-00-14 250-500V50/60HZ-DC

Contactors



| 概要信息        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 产品型号        | AF26-40-00-14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 产品ID        | 1SBL237201R1400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 欧洲商品编号(EAN) | 3471523115248                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 目录说明        | AF26-40-00-14 250-500V50/60HZ-DC Contactor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 详细描述        | The AF26-40-00-14 is a 4 pole - 690 V IEC or 600 UL contactor with screw terminals, controlling motors up to 11 kW / 400 V AC (AC-3) and switching power circuits up to 45 A (AC-1) or 45 A UL general use. Thanks to the AF technology, the contactor has a wide control voltage range (250-500 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. |

| 订货信息  |         |
|-------|---------|
| 最小起订量 | 1 piece |

| Popular Downloads                |            |                                  |
|----------------------------------|------------|----------------------------------|
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|                         |                 |
|-------------------------|-----------------|
| 数据手册，技术资料               | 1SBC100214C0202 |
| 说明书和手册                  | 1SBC101027M6801 |
| CAD Dimensional Drawing | 2CDC001079B0201 |

尺寸

|      |        |
|------|--------|
| 产品净宽 | 45 mm  |
| 产品净深 | 101 mm |
| 产品净高 | 86 mm  |
| 产品净重 | 0.4 kg |

技术参数

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 主触点NO数量                        | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 主触点NC数量                        | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 辅助触点NO数量                       | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 辅助触点NC数量                       | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 标准                             | IEC/EN 60947-1, IEC/EN 60947-4-1, UL 60947-1, UL 60947-4-1, CAN/CSA C22.2 No.60947-1, CAN/CSA C22.2 No.60947-4-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 额定工作电压                         | Main Circuit 690 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 额定频率 (f)                       | Control Circuit 50 / 60 Hz<br>Main Circuit 50 / 60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 额定发热电流（自由空气）(I <sub>th</sub> ) | acc. to IEC 60947-4-1, Open Contactors Θ = 40 °C 55 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 额定工作电流 AC-1 (I <sub>e</sub> )  | (690 V) 40 °C 45 A<br>(690 V) 60 °C 40 A<br>(690 V) 70 °C 32 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 额定工作电流 AC-3 (I <sub>e</sub> )  | (415 V) 60 °C 21.2 A<br>(440 V) 60 °C 20 A<br>(500 V) 60 °C 17.6 A<br>(690 V) 60 °C 10.5 A<br>(380 / 400 V) 60 °C 22 A<br>(220 / 230 / 240 V) 60 °C 23.2 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 额定工作功率 AC-3 (P <sub>e</sub> )  | (400 V) 11 kW<br>(415 V) 11 kW<br>(440 V) 11 kW<br>(500 V) 11 kW<br>(690 V) 9 kW<br>(220 / 230 / 240 V) 5.5 kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 额定不间断电流 (I <sub>cw</sub> )     | at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 300 A<br>at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 55 A<br>at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 150 A<br>at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 450 A<br>at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 225 A                                                                                                                                                                                                                                                                                   |
| 最高电气切换频率                       | (AC-1) 600 cycles per hour                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 额定工作电流 DC-1 (I <sub>e</sub> )  | (110 V) 2 Poles in Series, 40 °C 45 A<br>(110 V) 2 Poles in Series, 60 °C 40 A<br>(110 V) 2 Poles in Series, 70 °C 32 A<br>(110 V) 3 Poles in Series, 40 °C 45 A<br>(110 V) 3 Poles in Series, 60 °C 40 A<br>(110 V) 3 Poles in Series, 70 °C 32 A<br>(110 V) 4 Poles in Series, 40 °C 45 A<br>(110 V) 4 Poles in Series, 60 °C 40 A<br>(110 V) 4 Poles in Series, 70 °C 32 A<br>(220 V) 3 Poles in Series, 40 °C 45 A<br>(220 V) 3 Poles in Series, 60 °C 40 A<br>(220 V) 3 Poles in Series, 70 °C 32 A<br>(220 V) 4 Poles in Series, 40 °C 45 A<br>(220 V) 4 Poles in Series, 60 °C 40 A<br>(220 V) 4 Poles in Series, 70 °C 32 A |

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              | (72 V) 1-Pole, 40 °C 45 A<br>(72 V) 1-Pole, 60 °C 40 A<br>(72 V) 1-Pole, 70 °C 32 A<br>(72 V) 2 Poles in Series, 40 °C 45 A<br>(72 V) 2 Poles in Series, 60 °C 40 A<br>(72 V) 2 Poles in Series, 70 °C 32 A<br>(72 V) 3 Poles in Series, 40 °C 45 A<br>(72 V) 3 Poles in Series, 60 °C 40 A<br>(72 V) 3 Poles in Series, 70 °C 32 A<br>(72 V) 4 Poles in Series, 40 °C 45 A<br>(72 V) 4 Poles in Series, 60 °C 40 A<br>(72 V) 4 Poles in Series, 70 °C 32 A |
| 额定绝缘电压 (U <sub>i</sub> )     | acc. to IEC 60947-4-1 690 V<br>acc. to UL/CSA 600 V                                                                                                                                                                                                                                                                                                                                                                                                         |
| 额定冲击耐受电压 (U <sub>imp</sub> ) | 6 kV                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 最高机械切换频率                     | 3600 cycles per hour                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 额定控制电路电压 (U <sub>c</sub> )   | 50 Hz 250 ... 500 V<br>60 Hz 250 ... 500 V<br>DC Operation 250 ... 500 V                                                                                                                                                                                                                                                                                                                                                                                    |
| 工作时间                         | Between Coil De-energization and NC Contact Closing 13 ... 98 ms<br>Between Coil De-energization and NO Contact Opening 11 ... 95 ms<br>Between Coil Energization and NC Contact Opening 38 ... 90 ms<br>Between Coil Energization and NO Contact Closing 40 ... 95 ms                                                                                                                                                                                      |
| 安装到DIN导轨上                    | TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715<br>TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715                                                                                                                                                                                                                                                                                                                                              |
| 螺钉安装（螺钉须自备）                  | 2 x M4 screws placed diagonally                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 主电路连接容量                      | Flexible with Ferrule 1/2x 1.5 ... 16 mm <sup>2</sup><br>Flexible with Insulated Ferrule 1/2x 1.5 ... 16 mm <sup>2</sup><br>Rigid Solid 1/2x 1.5 ... 4 mm <sup>2</sup><br>Rigid Stranded 1/2x 1.5 ... 16 mm <sup>2</sup>                                                                                                                                                                                                                                    |
| 控制电路连接容量                     | Flexible with Ferrule 1/2x 0.75 ... 2.5 mm <sup>2</sup><br>Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm <sup>2</sup><br>Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm <sup>2</sup><br>Rigid Solid 1/2x 1 ... 2.5 mm <sup>2</sup><br>Rigid Stranded 1/2x 1 ... 2.5 mm <sup>2</sup>                                                                                                                                                                |
| 剥线长度                         | Control Circuit 10 mm<br>Main Circuit 12 mm                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 防护等级                         | acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20<br>acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20                                                                                                                                                                                                                                                                                                                                |
| 端子类型                         | Screw Terminals                                                                                                                                                                                                                                                                                                                                                                                                                                             |

UL/CSA适用的技术参数

|                    |                                                             |
|--------------------|-------------------------------------------------------------|
| 最高工作电压UL/CSA       | Main Circuit 600 V                                          |
| 通用等级UL/CSA         | (600 V AC) 45 A                                             |
| 主电路连接容量 UL/CSA     | Rigid Solid 1/2x 16-10 AWG<br>Rigid Stranded 1/2x 16-6 AWG  |
| 控制电路连接容量<br>UL/CSA | Rigid Solid 1/2x 18-14 AWG<br>Rigid Stranded 1/2x 18-14 AWG |
| 拧紧力矩UL/CSA         | Control Circuit 11 in-lb<br>Main Circuit 22 in-lb           |

环境条件

|                            |                                                                                                         |
|----------------------------|---------------------------------------------------------------------------------------------------------|
| 周围环境温度                     | Close to Contactor for Storage -60 ... +80 °C<br>Near Contactor for Operation in Free Air -40 ... 70 °C |
| 耐候                         | Category B according to IEC 60947-1 Annex Q                                                             |
| 允许的最高工作海拔                  | Without Derating 3000 m                                                                                 |
| 抗机械冲击符合IEC<br>60068-2-27标准 | Closed, Shock Direction: B1 25 g<br>Open, Shock Direction: B1 5 g<br>Shock Direction: A 30 g            |

|                          |                                                    |
|--------------------------|----------------------------------------------------|
|                          | Shock Direction: B2 15 g                           |
|                          | Shock Direction: C1 25 g                           |
|                          | Shock Direction: C2 25 g                           |
| 耐振动符合IEC 60068-2-6<br>标准 | 4g Closed Position & 2g Open position 5 ... 300 Hz |

Material Compliance

|                                                   |                                                                        |
|---------------------------------------------------|------------------------------------------------------------------------|
| Conflict Minerals<br>Reporting Template<br>(CMRT) | 9AKK108467A5658                                                        |
| REACH Declaration                                 | 2CMT2021-006202                                                        |
| RoHS信息                                            | 2CMT2021-006277                                                        |
| RoHS状态                                            | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| Toxic Substances<br>Control Act - TSCA            | 2CMT2023-006525                                                        |
| WEEE B2C / B2B                                    | Business To Business                                                   |
| WEEE 类别                                           | 5. Small Equipment (No External Dimension More Than 50 cm)             |

ABB EcoSolutions

|                      |                           |
|----------------------|---------------------------|
| 产品环境声明 - EPD         | 1SBD250584E4000           |
| 产品中可持续材料含量<br>(重量%)  | Recycled Metal - 28 %     |
| 包装中的可持续材料含量<br>(重量%) | Recycled Cardboard - 86 % |
| 产品寿命终止后的拆解指南         | 1SBC101080M6801           |

认证及声明（文件编码）

|                                     |                                                            |
|-------------------------------------|------------------------------------------------------------|
| ABS认证                               | ABS_20-2060694-PDA                                         |
| BV认证                                | BV_2634H24898C0                                            |
| CB认证                                | SE-113783                                                  |
| CCC认证                               | CCC_2010010304445623                                       |
| CQC认证                               | CQC2010010304445623<br>CQC2020010304294316                 |
| Declaration of<br>Conformity - CCC  | 2020980304001254<br>2020980304001052                       |
| 符合性声明 - CE                          | 1SBD250001U1000                                            |
| Declaration of<br>Conformity - UKCA | 1SBD250032U1000                                            |
| DNV认证                               | DNV_TAE00001AF-4                                           |
| GOST认证                              | GOST_POCCFR.ME77.B07175.pdf                                |
| KC认证                                | KC_HW02016-15002C                                          |
| LR认证                                | LRS_LR23403517TA-02                                        |
| RINA认证                              | RINA_ELE142224XG                                           |
| RMRS认证                              | RMRS_1802705280                                            |
| UL认证                                | UL-US-L319322-13-72119002-5<br>UL-CA-L319322-43-72119002-6 |
| UL列表卡                               | UL_E319322                                                 |

包装信息

|        |             |
|--------|-------------|
| 1级包装单元 | box 1 piece |
|--------|-------------|

|          |               |
|----------|---------------|
| 1级包装宽度   | 87 mm         |
| 1级包装长度   | 103 mm        |
| 1级包装高度   | 47 mm         |
| 1级包装 总重  | 0.4 kg        |
| 1级包装 EAN | 3471523115248 |
| 2级包装单元   | box 18 piece  |
| 2级包装宽度   | 250 mm        |
| 2级包装长度   | 300 mm        |
| 2级包装高度   | 315 mm        |
| 2级包装 总重  | 14.4 kg       |
| 3级包装单元   | 864 piece     |

分类

|                    |                                          |
|--------------------|------------------------------------------|
| 对象分类代码             | Q                                        |
| ETIM 7             | EC000066 - Power contactor, AC switching |
| ETIM 8             | EC000066 - Power contactor, AC switching |
| ETIM 9             | EC000066 - Power contactor, AC switching |
| e级                 | V11.0 : 27371003                         |
| UNSPSC             | 39121529                                 |
| IDEA 粒度分类代码 (IGCC) | 4758 >> Iec Contactors                   |
| E-Number (Finland) | 3705831                                  |
| E-Number (Sweden)  | 3211512                                  |

Accessories

| Identifier      | Description                                      | Type      | Quantity | Unit Of Measure |
|-----------------|--------------------------------------------------|-----------|----------|-----------------|
| 1SBN112303T1000 | BP38-4 Mounting Piece                            | BP38-4    | 1        | piece           |
| 1SBN113403T1000 | BP65-4 Mounting Piece                            | BP65-4    | 1        | piece           |
| 1SBN113903T1000 | BP96-4 Mounting Piece                            | BP96-4    | 1        | piece           |
| 1SBN110108T1000 | BX4 Protective Cover                             | BX4       | 1        | piece           |
| 1SBN110109W1000 | BX4-CA Protective Cover                          | BX4-CA    | 1        | piece           |
| 1SBN010110R1001 | CA4-01 Auxiliary Contact Block                   | CA4-01    | 1        | piece           |
| 1SBN010160R1001 | CA4-01K Auxiliary Contact Block                  | CA4-01K   | 1        | piece           |
| 1SBN010110T1001 | CA4-01-T Auxiliary Contact Block                 | CA4-01-T  | 1        | piece           |
| 1SBN010140R1004 | CA4-04E Auxiliary Contact Block                  | CA4-04E   | 1        | piece           |
| 1SBN010110R1010 | CA4-10 Auxiliary Contact Block                   | CA4-10    | 1        | piece           |
| 1SBN010160R1010 | CA4-10K Auxiliary Contact Block                  | CA4-10K   | 1        | piece           |
| 1SBN010110T1010 | CA4-10-T Auxiliary Contact Block                 | CA4-10-T  | 1        | piece           |
| 1SBN010140R1022 | CA4-22E Auxiliary Contact Block                  | CA4-22E   | 1        | piece           |
| 1SBN010146R1022 | CA4-22EK Auxiliary Contact Block                 | CA4-22EK  | 1        | piece           |
| 1SBN010140R1031 | CA4-31E Auxiliary Contact Block                  | CA4-31E   | 1        | piece           |
| 1SBN010146R1031 | CA4-31EK Auxiliary Contact Block                 | CA4-31EK  | 1        | piece           |
| 1SBN010140R1040 | CA4-40E Auxiliary Contact Block                  | CA4-40E   | 1        | piece           |
| 1SBN010146R1040 | CA4-40EK Auxiliary Contact Block                 | CA4-40EK  | 1        | piece           |
| 1SBN010120R1011 | CAL4-11 Auxiliary Contact Block                  | CAL4-11   | 1        | piece           |
| 1SBN010134R1011 | CAL4-11K Auxiliary Contact Block                 | CAL4-11K  | 1        | piece           |
| 1SBN010120T1011 | CAL4-11-T Auxiliary Contact Block                | CAL4-11-T | 1        | piece           |
| 1SBN010151R1011 | CAT4-11E Auxiliary Contact / Coil Terminal Block | CAT4-11E  | 1        | piece           |
| 1SBN010111R1001 | CC4-01 Lagging Auxiliary Contact Block           | CC4-01    | 1        | piece           |
| 1SBN010111R1010 | CC4-10 Leading Auxiliary Contact Block           | CC4-10    | 1        | piece           |

|                 |                                                       |            |   |       |
|-----------------|-------------------------------------------------------|------------|---|-------|
| 1SBN010015R1001 | CE5-01D0.1 Auxiliary Contact Block                    | CE5-01D0.1 | 1 | piece |
| 1SBN010017R1001 | CE5-01D2 Auxiliary Contact Block                      | CE5-01D2   | 1 | piece |
| 1SBN010016R1001 | CE5-01W0.1 Auxiliary Contact Block                    | CE5-01W0.1 | 1 | piece |
| 1SBN010018R1001 | CE5-01W2 Auxiliary Contact Block                      | CE5-01W2   | 1 | piece |
| 1SBN010015R1010 | CE5-10D0.1 Auxiliary Contact Block                    | CE5-10D0.1 | 1 | piece |
| 1SBN010017R1010 | CE5-10D2 Auxiliary Contact Block                      | CE5-10D2   | 1 | piece |
| 1SBN010016R1010 | CE5-10W0.1 Auxiliary Contact Block                    | CE5-10W0.1 | 1 | piece |
| 1SBN010018R1010 | CE5-10W2 Auxiliary Contact Block                      | CE5-10W2   | 1 | piece |
| 1SBN073452R2000 | LK96-4F Terminals for Control Lead Connections        | LK96-4F    | 1 | piece |
| 1SBN070156T1000 | LDC4 Additional Coil Terminal Block                   | LDC4       | 1 | piece |
| 1SBN070159T1000 | LDC4K Additional Coil Terminal Block                  | LDC4K      | 1 | piece |
| 1SBN071305R1000 | LF16-4 Connecting Strip                               | LF16-4     | 1 | piece |
| 1SBN071306R1000 | LG16-4 Connecting Strip                               | LG16-4     | 1 | piece |
| 1SBN123402R1000 | LT52-40 Terminal Shroud                               | LT52-40    | 1 | piece |
| 1SBN123902R1000 | LT80-40 Terminal Shroud                               | LT80-40    | 1 | piece |
| 1SBN071303T1000 | LY16-4 Connecting Strip                               | LY16-4     | 1 | piece |
| 1SBN060100R1000 | RA4 Interface Relay                                   | RA4        | 1 | piece |
| 1SBN020114R1000 | TEF4-OFF Frontal Electronic Timer                     | TEF4-OFF   | 1 | piece |
| 1SBN020112R1000 | TEF4-ON Frontal Electronic Timer                      | TEF4-ON    | 1 | piece |
| 1SBN020115R1000 | TEF4S-OFF Frontal Electronic Timer                    | TEF4S-OFF  | 1 | piece |
| 1SBN020113R1000 | TEF4S-ON Frontal Electronic Timer                     | TEF4S-ON   | 1 | piece |
| 1SBN040100R1010 | WA4-10 24VDC Mechanical Latching Unit                 | WA4-10     | 1 | piece |
| 1SBN040100R1011 | WA4-11 24-60V50/60HZ-DC Mechanical Latching Unit      | WA4-11     | 1 | piece |
| 1SBN040100R1012 | WA4-12 48-130V50/60HZ-DC Mechanical Latching Unit     | WA4-12     | 1 | piece |
| 1SBN040100R1013 | WA4-13 100-250V50/60HZ-DC Mechanical Latching Unit    | WA4-13     | 1 | piece |
| 1SBN040100R1014 | WA4-14 250-500V50/60HZ-DC Mechanical Latching Unit    | WA4-14     | 1 | piece |
| 1SBN040200R1011 | WA4-96-11 24-60V50/60HZ-DC Mechanical Latching Unit   | WA4-96-11  | 1 | piece |
| 1SBN040200R1012 | WA4-96-12 48-130V50/60HZ-DC Mechanical Latching Unit  | WA4-96-12  | 1 | piece |
| 1SBN040200R1013 | WA4-96-13 100-250V50/60HZ-DC Mechanical Latching Unit | WA4-96-13  | 1 | piece |
| 1SBN040200R1014 | WA4-96-14 250-500V50/60HZ-DC Mechanical Latching Unit | WA4-96-14  | 1 | piece |

分类

低压产品及系统 → 控制产品 → 接触器 → 模块化接触器 → AF Contactors → AF26

