



PRODUCT-DETAILS

AF50-30-00RT 100-250V 50Hz / 100-250V 60Hz / 100-250V DC

AF50-30-00RT 100-250V 50Hz / 100-250V 60Hz / 100-250V DC Contactor



360°

概要信息	
产品型号	AF50-30-00RT 100-250V 50Hz / 100-250V 60Hz / 100-250V DC
产品ID	1SBL357010R7000
欧洲商品编号(EAN)	3471522245106
目录说明	AF50-30-00RT 100-250V 50Hz / 100-250V 60Hz / 100-250V DC Contactor
详细描述	AF50 contactors are mainly used for controlling 3-phase motors and generally for controlling power circuits up to 690 V AC and 220 V DC. The contactors can also be used for many other applications such as bypass, capacitor switching, lighting, DC power circuits... 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 (≤ 20 ms). The AF... series 1-stack 3-pole contactors are of the block type design. - Main poles and auxiliary contact blocks: 3 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.

订货信息	
最小起订量	1 piece
海关关税号	85364900

Popular Downloads	
数据手册, 技术资料	1SNC001003C0202
说明书和手册	FPTC407767P0002
CAD Dimensional Drawing	2CDC001079B0201

尺寸	
产品净宽	70 mm
产品净深	108 mm
产品净高	110 mm
产品净重	1.18 kg

技术参数	
主触点NO数量	3
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 60947-4-1, 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 (on request), IEC 61373, For compliance confirmation on applicable parts based on your application and combination, please consult your ABB sales representatives.
额定工作电压	Main Circuit 690 V
额定频率 (f)	Control Circuit 50 / 60 Hz Main Circuit 50 / 60 Hz
额定工作电流 AC-1 (I _e)	(690 V) 40 °C 100 A (690 V) 55 °C 85 A (690 V) 70 °C 70 A
额定工作电流 AC-3 (I _e)	(415 V) 55 °C 50 A (440 V) 55 °C 45 A (500 V) 55 °C 45 A (690 V) 55 °C 35 A (380 / 400 V) 55 °C 50 A (220 / 230 / 240 V) 55 °C 53
额定工作功率 AC-3 (P _e)	(415 V) 25 kW (440 V) 25 kW (500 V) 30 kW (690 V) 30 kW (380 / 400 V) 22 kW (220 / 230 / 240 V) 15 kW
额定不间断电流 (I _{cw})	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 650 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 110 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 250 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 1000 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 370 A
最大分断容量	cos phi=0.45 (cos phi=0.35 for I _e > 100 A) at 440 V 1300 A cos phi=0.45 (cos phi=0.35 for I _e > 100 A) at 690 V 630 A
额定工作电流 DC-1 (I _e)	(110 V) 2 Poles in Series, 40 °C 100 A (110 V) 2 Poles in Series, 55 °C 85 A (110 V) 2 Poles in Series, 70 °C 70 A (110 V) 3 Poles in Series, 40 °C 100 A

	(110 V) 3 Poles in Series, 55 °C 85 A (110 V) 3 Poles in Series, 70 °C 70 A (220 V) 3 Poles in Series, 40 °C 100 A (220 V) 3 Poles in Series, 55 °C 85 A (220 V) 3 Poles in Series, 70 °C 70 A (72 V) 1-Pole, 40 °C 100 A (72 V) 1-Pole, 55 °C 85 A (72 V) 1-Pole, 70 °C 70 A (72 V) 2 Poles in Series, 40 °C 100 A (72 V) 2 Poles in Series, 55 °C 85 A (72 V) 2 Poles in Series, 70 °C 70 A (72 V) 3 Poles in Series, 40 °C 100 A (72 V) 3 Poles in Series, 55 °C 85 A (72 V) 3 Poles in Series, 70 °C 70 A
额定工作电流 DC-3 (I _e)	(110 V) 2 Poles in Series, 40 °C 100 A (110 V) 2 Poles in Series, 55 °C 85 A (110 V) 2 Poles in Series, 70 °C 70 A (110 V) 3 Poles in Series, 40 °C 100 A (110 V) 3 Poles in Series, 55 °C 85 A (110 V) 3 Poles in Series, 70 °C 70 A (220 V) 3 Poles in Series, 40 °C 100 A (220 V) 3 Poles in Series, 55 °C 85 A (220 V) 3 Poles in Series, 70 °C 70 A (72 V) 1-Pole, 40 °C 100 A (72 V) 1-Pole, 55 °C 85 A (72 V) 1-Pole, 70 °C 70 A (72 V) 2 Poles in Series, 40 °C 100 A (72 V) 2 Poles in Series, 55 °C 85 A (72 V) 2 Poles in Series, 70 °C 70 A (72 V) 3 Poles in Series, 40 °C 100 A (72 V) 3 Poles in Series, 55 °C 85 A (72 V) 3 Poles in Series, 70 °C 70 A
额定工作电流 DC-5 (I _e)	(110 V) 2 Poles in Series, 40 °C 80 A (110 V) 2 Poles in Series, 55 °C 80 A (110 V) 2 Poles in Series, 70 °C 70 A (110 V) 3 Poles in Series, 40 °C 100 A (110 V) 3 Poles in Series, 55 °C 85 A (110 V) 3 Poles in Series, 70 °C 70 A (220 V) 3 Poles in Series, 40 °C 50 A (220 V) 3 Poles in Series, 55 °C 50 A (220 V) 3 Poles in Series, 70 °C 50 A (72 V) 1-Pole, 40 °C 50 A (72 V) 1-Pole, 55 °C 50 A (72 V) 1-Pole, 70 °C 50 A (72 V) 2 Poles in Series, 40 °C 100 A (72 V) 2 Poles in Series, 55 °C 85 A (72 V) 2 Poles in Series, 70 °C 70 A (72 V) 3 Poles in Series, 40 °C 100 A (72 V) 3 Poles in Series, 55 °C 85 A (72 V) 3 Poles in Series, 70 °C 70 A
额定绝缘电压 (U _i)	acc. to IEC 60947-4-1 1000 V acc. to UL/CSA 600 V
额定冲击耐受电压 (U _{imp})	8 kV
额定控制电路电压 (U _c)	50 Hz 100 ... 250 V 60 Hz 100 ... 250 V DC Operation 100 ... 250 V
安装到DIN导轨上	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH75-25 (75 x 25 mm Mounting Rail) acc. to IEC 60715
螺钉安装（螺钉须自备）	2 x M6 screws placed diagonally
防护等级	acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP10 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP10
端子类型	Ring-Tongue Terminals

UL/CSA适用的技术参数

NEMA尺寸	2
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Continuous Current Rating NEMA	45 A
Horsepower Rating NEMA	(115 V AC) Single Phase 3 Hp (200 V AC) Three Phase 10 Hp (230 V AC) Single Phase 7-1/2 Hp (230 V AC) Three Phase 15 Hp (460 V AC) Three Phase 25 Hp (575 V AC) Three Phase 25 Hp
最高工作电压UL/CSA	Main Circuit 600 V
通用等级UL/CSA	(600 V AC) 80 A
额定功率UL/CSA	(120 V AC) Single Phase 3 hp (200 ... 208 V AC) Three Phase 15 Hp (220 ... 240 V AC) Three Phase 20 Hp (240 V AC) Single Phase 7-1/2 hp (440 ... 480 V AC) Three Phase 40 Hp (550 ... 600 V AC) Three Phase 50 Hp

环境条件

周围环境温度	Close to Contactor Fitted with Thermal O/L Relay -25 ... 55 °C Close to Contactor without Thermal O/L Relay -40 ... 70 °C Close to Contactor for Storage -60 ... +80 °C
允许的最高工作海拔	Without Derating 3000 m
Shock and Vibration Withstand acc. to IEC 61373	Category 1, Class B

Material Compliance

Conflict Minerals Reporting Template (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
WEEE B2C / B2B	Business To Business
WEEE 类别	5. Small Equipment (No External Dimension More Than 50 cm)

认证及声明（文件编码）

CCC认证	CCC_2018010304134049
CQC认证	CQC2018010304134049 CQC2010010304402983
Declaration of Conformity - CCC	2020980304001624 2020980304001225
符合性声明 - CE	1SBD250803U1000
Declaration of Conformity - UKCA	1SBD250820U1000
EAC认证	EAC_RU C-FR ME77 B01010
GOST认证	GOST_POCCFRME77B07175
KC认证	KC_HW02032-21001B
UL认证	UL-US-L312527-291-50119991-3 UL-CA-2305459-0

包装信息

1级包装单元	1 piece
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1级包装宽度	140 mm
1级包装长度	146 mm
1级包装高度	96 mm
1级包装 总重	1.18 kg
1级包装 EAN	3471522245106
2级包装单元	box 20 piece
2级包装 总重	23.6 kg

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)	4756 >> Capacitor magnet contactor

分类

低压产品及系统 → 控制产品 → 接触器 → 模块化接触器 → AF Contactors → AF50

