

**PRODUCT-DETAILS** 

## AF63-30-00RT 20-60V DC AF63-30-00RT 20-60V DC Contactor



General Information	
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Extended Product Type	AF63-30-00RT 20-60V DC
Product ID	1SBL377010R7200
EAN	3471522245229

Catalog Description

AF63-30-00RT 20-60V DC Contactor

Long Description

AF63 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 sidemounted add-on auxiliary contact blocks - Control circuit: AC or DC operated - Accessories: a wide range of accessories is available.

## Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

## Popular Downloads

Dimensions	Data Sheet, Technical	1SNC001003C0202
Product Net Width	Instructions and Manuals	FPTC407767P0002
Product Net Depth	Dimensions	
Product Net Height	Product Net Width	70 mm
Technical		108 mm
Number of Main Contacts NO	Product Net Height	110 mm
Number of Main Contacts         NO           Number of Main Contacts         NC           Number of Auxiliary         Contacts NO           Standards         IEC/EN 60947-1, IEC/EN 60947-4-1, UL 508, CSA C22-2 N°14, IEC 6007 (applicable parts), EN 50155 (a	Product Net Weight	1.18 kg
NO Number of Main Contacts NC Number of Auxiliary Contacts NO Number of Auxiliary Contacts NC Standards    IEC/EN 60947-1, IEC/EN 60947-4-1, UL 508, CSA C22-2 N*14, IEC 6007 (applicable parts), IEC 60077-2 (applicable parts), EN 50155 (applicable parts)   TEC 0001/2011 (or request), IEC 61373, For college of the composition of applicable parts based on your application and combination, please con your ABS asles representation applicable parts based on your application and combination, please con your ABC 318 (590 V) 40 °C (690 V) 55 °C (690 V) 55 °C (690 V) 55 °C (690 V) 57 °C (690 V) 58 °C (600	Technical	
NC Number of Auxiliary Contacts NO Number of Auxiliary Contacts NC Standards    IEC/EN 60947-1, IEC/EN 60947-4-1, UL 508, CSA C22-2 N*14, IEC 6007 (applicable parts), IEC 60077-2 (applicable parts), EN 50155 (applicable parts)		3
Contacts NO         Number of Auxiliary           Contacts NC         IEC/EN 60947-1, IEC/EN 60947-4.1, UL 508, CSA C22-2 N°14, IEC 6007           Standards         IEC/EN 60947-1, IEC/60077-2 (applicable parts), IEC 61373, For compliance confirmation applicable parts based on your application and combination, please con applicable parts based on your application and combination, please con your ABB sales representating (690 v) 40 °C           Rated Operational Current AC-1 (I <sub>e</sub> )         (690 v) 40 °C           Rated Operational Current AC-3 (I <sub>e</sub> )         (440 v) 55 °C           Rated Operational Current AC-3 (I <sub>e</sub> )         (440 v) 55 °C           AC-3 (I <sub>e</sub> )         (440 v) 55 °C           (800 v) 55 °C         (800 v) 55 °C           (800 v) 55 °C		0
EC/EN 60947-1, IEC/EN 60947-4-1, UL 508, CSA C22-2 N°14, IEC 6007 (applicable parts), IEC 60077-2 (applicable parts), EN 50155 (applicable parts), IEC 60077-2 (applicable parts), EN 50155 (applicable parts), IEC 60077-2 (applicable parts), EN 50155 (applicable parts), IEC 60077-2 (applicable parts), IEC 61373, For compliance confirmation applicable parts based on your application and combination, please con your ABB sales representation applicable parts based on your application and combination, please con your ABB sales representation applicable parts based on your application and combination, please con your ABB sales representation applicable parts based on your application and combination, please con your ABB sales representation applicable parts based on your application and combination, please con your ABB sales representation applicable parts based on your application and power application and presented in the please control (415 V) 35 °C (680 V) 75 °C (680 V) 75 °C (680 V) 75 °C (680 V) 75 °C (680 V) 55 °C (680 V		0
(applicable parts), EIC 60077-2 (applicable parts), EN 50155 (applicable parts) RT CU 001/2011 (on request), IEC 61037-2, For compliance confirmation applicable parts based on your application and combination, please con your ABB sales representating applicable parts based on your application and combination, please con your ABB sales representating applicable parts based on your application and combination, please con your ABB sales representating applicable parts based on your application and combination, please con your ABB sales representation applicable parts based on your application and combination, please con your ABB sales representation applicable parts based on your application and combination, please con your ABB sales representation application and provided your ABB sales representation application and provided your ABB sales representation application and provided your ABB sales representation application and provided your ABB sales representation and your ABB sa		0
AC-1 (I <sub>e</sub> ) (990 V) 55 °C (990 V) 70 °C (990 V) 75 °C (990 V) 55 °C (990 V) 50 °C (990 V) 50 °C (990 V) 50 °C (990 V) 50 °C (990	Standards	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.
AC-3 (I <sub>e</sub> ) (440 ½ 55 °C £ (500 ½ 55 °C £ (690 ½ 55 °C £ (690 ½ 55 °C £ (690 ½ 55 °C £ (220 / 230 / 240 ½ 55 °C £ (220 / 230 / 240 ½ 55 °C £ (220 / 230 / 240 ½ 55 °C £ (220 / 230 / 240 ½ 55 °C £ (220 / 230 / 240 ½ 55 °C £ (220 / 230 / 240 ½ 55 °C £ (220 / 230 / 240 ½ 55 °C £ (500 ½ 50 ) ½ 50		(690 V) 40 °C 115 (690 V) 55 °C 95 (690 V) 70 °C 80
AC-3 (Pe)  AC-3 (Pe)  (440 V) 37 (500 V) 37 (880 / 400 V) 30 (220 / 230 / 240 V) 18.5  Maximum Breaking  Capacity  Capacity  Cos phi=0.45 (cos phi=0.35 for le > 100 A) at 490 V 130 cos phi=0.45 (cos phi=0.35 for le > 100 A) at 690 V 62  Rated Control Circuit  Voltage (Uc)  Degree of Protection  acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals I acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals I acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals I Terminal Type  Technical UL/CSA  General Use Rating  UL/CSA  Close to Contactor Fitted with Thermal O/L Relay -25 56 Close to Contactor without Thermal O/L Relay -20 76 Close to Contactor without Thermal O/L Relay -40 76 Close to Contactor without Thermal O/L Relay -40 76		(415 V) 55 °C 65 A (440 V) 55 °C 65 A (500 V) 55 °C 55 A (690 V) 55 °C 43 A (380 / 400 V) 55 °C 65 A (220 / 230 / 240 V) 55 °C 65
Capacity  Cos phi=0.45 (cos phi=0.35 for le > 100 Å) at 690 V 63  Rated Control Circuit  Voltage (U <sub>c</sub> )  Degree of Protection  acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals I acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals I  Terminal Type  Ring-Tongue Termi  Technical UL/CSA  General Use Rating  UL/CSA  Close to Contactor Fitted with Thermal O/L Relay -25 55  Close to Contactor without Thermal O/L Relay -40 70  Close to Contactor without Thermal O/L Relay -40 70		(415 V) 37 kW (440 V) 37 kW (500 V) 37 kW (690 V) 37 kW (380 / 400 V) 30 kW (220 / 230 / 240 V) 18.5 kW
Rated Control Circuit Voltage (Uc)  Degree of Protection  acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals I acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals I  Terminal Type  Ring-Tongue Termi  Technical UL/CSA  General Use Rating UL/CSA  Close to Contactor Fitted with Thermal O/L Relay -25 5t Close to Contactor without Thermal O/L Relay -40 7t Close to Contactor without Thermal O/L Relay -40		cos phi=0.45 (cos phi=0.35 for le > 100 A) at 440 V 1300 A cos phi=0.45 (cos phi=0.35 for le > 100 A) at 690 V 630 A
acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals I Terminal Type Ring-Tongue Termi  Technical UL/CSA  General Use Rating UL/CSA  Environmental  Ambient Air Temperature  Close to Contactor Fitted with Thermal O/L Relay -25 5t Close to Contactor without Thermal O/L Relay -40 7t	Rated Control Circuit	DC Operation 20 60 V
Technical UL/CSA  General Use Rating UL/CSA  Environmental  Ambient Air Temperature  Close to Contactor Fitted with Thermal O/L Relay -25 5t Close to Contactor without Thermal O/L Relay -40 7t	Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP10 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP10
General Use Rating UL/CSA  Environmental  Ambient Air Temperature  Close to Contactor Fitted with Thermal O/L Relay -25 5t Close to Contactor without Thermal O/L Relay -40 7t	Terminal Type	Ring-Tongue Terminals
General Use Rating UL/CSA  Environmental  Ambient Air Temperature  Close to Contactor Fitted with Thermal O/L Relay -25 5t Close to Contactor without Thermal O/L Relay -40 7t	Tachnical III /CSA	
Environmental  Ambient Air Temperature  Close to Contactor Fitted with Thermal O/L Relay -25 5t Close to Contactor without Thermal O/L Relay -40 7t	General Use Rating	(600 V AC) 90 A
Ambient Air Temperature  Close to Contactor Fitted with Thermal O/L Relay -25 50 Close to Contactor without Thermal O/L Relay -40 70	OLICOA	
Close to Contactor without Thermal O/L Relay -40 70	Environmental	
	Ambient Air Temperature	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
Maximum Operating Altitude Permissible Without Derating 300		Without Derating 3000 m

RoHS	Status
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Certificates and Declarations (Document Number)	
CCC Certificate	CCC_2018010304134049
CQC Certificate	CQC2018010304134049 CQC2010010304402983
Declaration of Conformity - CCC	2020980304001624 2020980304001225
Declaration of Conformity - CE	1SBD250803U1000
EAC Certificate	EAC_RU C-FR ME77 B01010
Environmental Information	1SBD250021E1002
GOST Certificate	GOST_POCCFRME77B07175
Instructions and Manuals	FPTC407767P0002
KC Certificate	KC_HW02032-21002B
RoHS Information	1SBD250803U1000

Container Information	
Package Level 1 Units	1 piece
Package Level 1 Width	140 mm
Package Level 1 Depth / Length	146 mm
Package Level 1 Height	96 mm
Package Level 1 Gross Weight	1.18 kg
Package Level 1 EAN	3471522245229
Package Level 2 Units	box 20 piece
Package Level 2 Gross Weight	23.6 kg

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

## Categories

AF63-30-00RT 20-60V DC 4

