AF65-30-00-13



Products + Low Voltage Products and Systems + Control Products + Contactors + Block Contactors

General Information

 Extended Product Type:
 AF65-30-00-13

 Product ID:
 1SBL387001R1300

 EAN:
 3471523132634

Catalog Description: AF65-30-00-13 100-250V50/60HZ-DC Contactor

Long Description: AF65 contactors are used for controlling power circuits up to 690 V AC and 220 V DC. The

y are mainly used for controlling 3-phase motors, non-inductive or slightly inductive loads. AF... contactors include an electronic coil interface accepting a wide control voltage Uc min Uc max. Only four coils cover control voltages between 24...500 V 50/60 Hz or 20...500 V DC. AF contactors can manage large control voltage variations. One coil can be used for different control voltages used worldwide without any coil change. AF contactors have built-in surge protection and do not require additional surge suppressors. The AF... series 1-sta ck 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 (mechanically-linked auxiliary contacts compliant with Annex L of IEC 60947-5-1. N.C. mirror contacts compliant with Annex F of IEC 60947-4-1) - Control circuit: AC or DC operated - Accessories: a wide r

ange of accessories is available.

Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85364900

Popular Downloads

Data Sheet, Technical Information: 1SBC100173C0201

Dimensions

Product Net Width:	55 mm
Product Net Depth:	111 mm
Product Net Height:	125.5 mm
Product Net Weight:	0.950 kg

Technical

Number of Main Contacts NO:	3
Number of Main Contacts NC:	0
Number of Auxiliary Contacts NO:	0
Number of Auxiliary Contacts NC:	0
Rated Operational Voltage:	Main Circuit 690 V
Rated Frequency (f):	Main Circuit 50 / 60 Hz
Conventional Free-air Thermal Current	acc. to IEC 60947-4-1, Open Contactors q = 40 °C 105 A
(l _{th}):	
Rated Operational Current AC-1 (I _e):	(690 V) 40 °C 105 A
	(690 V) 60 °C 90 A
	(690 V) 70 °C 80 A
Rated Operational Current AC-3 (I _e):	(220 / 230 / 240 V) 60 °C 65 A
	(380 / 400 V) 60 °C 65 A
	(415 V) 60 °C 65 A
	(440 V) 60 °C 65 A
	(500 V) 60 °C 55 A
	(690 V) 60 °C 39 A
Rated Operational Power AC-3 (Pe):	(220 / 230 / 240 V) 18.5 kW

tted Operational Power AC-3 (P_e): (220 / 230 / 240 V) 18.5 kV (380 / 400 V) 30 kW

(400 V) 30 kW (415 V) 37 kW

at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 600 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 1 s 1000 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 350 A cos phi=0.45 (cos phi=0.35 for le > 100 A) at 440 V 950 A
cos phi=0.45 (cos phi=0.35 for le > 100.4) at 440 \/ 950.4
cos phi=0.45 (cos phi=0.35 for le > 100 A) at 690 V 600 A
AC-1 600 cycles per hour AC-2 / AC-4 150 cycles per hour AC-3 1200 cycles per hour
acc. to UL/CSA 600 V acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 690 V
6 kV
3600 cycles per hour
50 Hz 100 250 V 60 Hz 100 250 V DC Operation 100 250 V
Between Coil De-energization and NC Contact Closing 19 105 ms Between Coil De-energization and NO Contact Opening 17 100 ms Between Coil Energization and NC Contact Opening 38 95 ms Between Coil Energization and NO Contact Closing 42 100 ms
Flexible with Insulated Ferrule $1/2x 4 \dots 35 \text{ mm}^2$ Flexible with Ferrule $1/2x 4 \dots 35 \text{ mm}^2$ Rigid $1/2x 6 \dots 35 \text{ mm}^2$
Flexible with Ferrule 1/2x 0.75 2.5 mm ² Flexible with Insulated Ferrule 1x 0.75 2.5 mm ² Flexible with Insulated Ferrule 2x 0.75 1.5 mm ² Rigid 1/2x 1 2.5 mm ²
Main Circuit 16 mm
acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP10
Screw Terminals
Close to Contactor for Storage -60 +80 °C Close to Contactor Fitted with Thermal O/L Relay -25 +60 °C Close to Contactor without Thermal O/L Relay -40 +70 °C
Category B according to IEC 60947-1 Annex Q
3000 m
5 300 Hz 3 g closed position / 3 g open position
Closed, Shock Direction: A 25 g Closed, Shock Direction: B1 25 g Closed, Shock Direction: B2 15 g Closed, Shock Direction: C1 25 g Closed, Shock Direction: C2 25 g Open, Shock Direction: B1 5 g
(120 V AC) Single Phase 5 Hp (240 V AC) Single Phase 15 Hp (200 208 V AC) Three Phase 20 Hp (220 240 V AC) Three Phase 25 Hp (440 480 V AC) Three Phase 50 Hp (550 600 V AC) Three Phase 60 Hp

Tightening Torque UL/CSA:	
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Control Circuit 11 in·lb Main Circuit 35 in·lb

Certificates and Declarations (Document Number)

ABS Certificate:	ABS_15-GE1349500-PDA_90682247
BV Certificate:	BV_2634H36994A
CB Certificate:	CB_SE_77418
CCC Certificate:	CCC_2012010304589737 CCC_2015010304824714
Declaration of Conformity - CE:	1SBD250000U1000
DNV Certificate:	DNV-GL_TAE00001AF-1
DNV GL Certificate:	DNV-GL_TAE00001AF-1
EAC Certificate:	EAC_RU C-FR ME77 B01010
Environmental Information:	1SBD250168E1000
Instructions and Manuals:	1SBC101036M6801
KC Certificate:	KC_HW02016-15003A
LR Certificate:	LRS_1300087E1
RINA Certificate:	RINA_ELE084013XG
RMRS Certificate:	RMRS_1400682124
RoHS Information:	1SBD251021E1000
UL Certificate:	UL_20130926-E312527_14_1
UL Listing Card:	UL_E312527

Container Information

Package Level 1 Units:	1 piece
Package Level 1 Width:	150 mm
Package Level 1 Length:	150 mm
Package Level 1 Height:	97 mm
Package Level 1 Gross Weight:	1.05 kg
Package Level 1 EAN:	3471523132634
Package Level 2 Units:	10 piece
Package Level 2 Width:	250 mm
Package Level 2 Length:	300 mm
Package Level 2 Height:	300 mm
Package Level 3 Units:	240 piece

Classifications

Object Classification Code:	Q
E-nummer:	3210045
ETIM 4:	EC000066 - Magnet contactor, AC-switching
ETIM 5:	EC000066 - Magnet contactor, AC-switching
ЕТІМ 6:	EC000066 - Power contactor, AC switching
UNSPSC:	39121529

