

PRODUCT-DETAILS

AF140-30-11-33 AF140-30-11-33 Contactor



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General	Information

Extended Product Type	AF140-30-11-33
Product ID	1SFL447001R3311
EAN	7320500480908
Catalog Description	AF140-30-11-33 Contactor

Long Description

The AF140-30-11-33 is a 3 pole - 1000 V IEC or 600 V UL contactor with pre-mounted auxiliary contacts and double clamp, controlling motors up to 75 kW / 400 V AC (AC-3) or 100 hp / 480 V UL and switching power circuits up to 200 A (AC-1) or 200 A UL general use. Thanks to the AF technology, the contactor has a wide control voltage range (100-250 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.

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads

Data Sheet, Technical	1SBC100192C02
Information	

Instructions and Manuals 1SFC100003M0201

Product Net Depth / Length 142.5 r Length Product Net Height 150 r Product Net Height Technical Number of Main Contacts NO Number of Auxiliary Contacts NO Rated Operational Voltage Main Circuit 60 Rated Operational Voltage Main Circuit 60 Rated Operational Free-air Thermal Current (βab) V 1 40 ° C (860 V) 40 ° C Rated Operational Current (415 V) 55 ° C 14 (860 V) 70 ° C Rated Operational Current AC-3 (1) (βab) V 1 40 ° C (860 V) 70 ° C Rated Operational Power AC-3 (1) (βab) V 1 40 ° C (860 V) 20 ° C Rated Operational Power AC-3 (1) (βab) V 1 40 ° C (15 V 1) ° C Rated Operational Power AC-3 (1) (βab) V 1 7 ° C (800 V) 35 ° C Rated Operational Power AC-3 (1) (βab) V 1 7 ° C (15 V 1) ° C Rated Department AC-3 (1) (1) (βab) V 1 8 ° C (15 V 1) ° C Rated Operational Power AC-3 (10 ° C) (10 ° C (15 V 1) ° C Rated Operational Power AC-3 (10 ° C) (10 ° C (15 V 1) ° C Rated Making Capacity AC-3 a	Dimensions	
Department Freduct Net Height 150	Product Net Width	90 mm
Technical	·	142.5 mm
Technical Number of Main Contacts NC Number of Auxiliary Contacts NC Number of Auxiliary Contacts NC Number of Auxiliary Contacts NC Rated Operational Voltage Rated Frequency (f) Rated Operational Current (669 V) 40 °C.2 Rated Operational Current AC-3 (l _a) Rated Operational Power AC-3 (l _a) Rated Making Capacity AC-3 acc. to IEC 60947-4-1 Rated Insulation Voltage (U ₁) Rated Insulation Voltage Acc. to IEC 60947-4-1 and Voltage Cut IC (C ₁) Rated Insulation Voltage Acc. to IEC 60947-4-1 and Voltage	Product Net Height	150 mm
Number of Main Contacts NC Number of Main Contacts NC Number of Auxiliary Contacts NC Number of Auxiliary Contacts NC Rated Operational Voltage Rated Frequency (f) Rated Operational Current AC-3 (l _e) Rated Operational Power AC-3 (l _e) Rated Short-Uncounter (l _{cov}) Rated Making Capacity AC-3 acc. to IEC 60947-4-1 Short-Circuit Protective Devices Rated Making Capacity AC-3 acc. to IEC 60947-4-1 Rated Making Capacity AC-3 acc. to IEC 60947-4-	Product Net Weight	1.55 kg
NO Number of Main Contacts NC Number of Auxillary Contacts NO Rated Operational Voltage Rated Frequency (f) Main Circuit 89 Carventional Free-air Thermal Current (l _{th}) Rated Operational Current AC-1 (l _{th}) Rated Operational Current AC-3 (l _{th}) Rated Operational Power AC-3 (l _{th}) Rated Making Capacity AC-3 acc. to IEC 60947-4-1 Short-Circuit Protective Devices Rated Making Capacity AC-3 acc. to IEC 60947-4-1 Rated AC-3 acc. to IEC 60947-4-1 Rated AC-3 acc. to IEC 609	 Technical	
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Contacts NC Main Circuit 69 Rated Operational Voltage Main Circuit 60 Conventional Free-air acc. to IEC 60947-4-1, Open Contactors q = 40 °C 20 Thermal Current (I _{th}) (690 V) 40 °C 2 Rated Operational Current (690 V) 70 °C 1 Rated Operational Current (415 V) 55 °C 14 AC-3 (I _e) (500 V) 55 °C 13 (800 V) 55 °C 14 (500 V) 55 °C 14 (800 V) 55 °C 14 (200 V) 230 / 240 V) 55 °C 14 Rated Operational Power (415 V) 75 °C 14 AC-3 (P _e) (440 V) 90 °C (500 V) 90 °C (500 V) 90 °C (440 V) 90 °C (500 V) 90 °C (440 V) 90 °C (500 V)		1
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AC-3 acc. to IEC 60947-4- Rated Making Capacity AC-3 acc. to IEC 60947-4- Short-Circuit Protective Devices Rated Short-time Rated Short-time Withstand Current (I _{CW}) at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 116: at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 20: at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 47: at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 146: at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 146: at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 67: Maximum Electrical Maximum Electrical (AC-1) 300 cycles per h (AC-2 / AC-4) 150 cycles per h (AC-3) 300 cycles per h (AC-3) 300 cycles per h (AC-3) 400 cycles per h		(415 V) 75 kW (440 V) 90 kW (500 V) 90 kW (690 V) 75 kW (380 / 400 V) 75 kW (220 / 230 / 240 V) 37 kW
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Devices Rated Short-time at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 116: at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 20: at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 40: at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 40: at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 146: at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 67: Maximum Electrical (AC-1) 300 cycles per h (AC-2 / AC-4) 150 cycles per h (AC-3) 300 cycles per h (AC-3) 300 cycles per h Rated Insulation Voltage acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 100: acc. to UL/CSA 60:	AC-3 acc. to IEC 60947-4-	10 x le AC-3
Withstand Current (I _{cw}) at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 20 at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 47 at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 146 at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 146 at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 67. Maximum Electrical (AC-1) 300 cycles per h (AC-2 / AC-4) 150 cycles per h (AC-3) 300 cycles per h Rated Insulation Voltage (U _i) acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 100 acc. to UL/CSA 60		gG Type Fuses 315 A
Switching Frequency (AC-2 / AC-4) 150 cycles per h Rated Insulation Voltage acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 acc. to UL/CSA 6000		at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 1168 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 200 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 477 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 1460 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 674 A
(U _i) acc. to UL/CSA 60		(AC-1) 300 cycles per hour (AC-2 / AC-4) 150 cycles per hour (AC-3) 300 cycles per hour
Rated Impulse Withstand 8		acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V acc. to UL/CSA 600 V
	Rated Impulse Withstand	8 kV

Voltage	(U_{imp})
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RoHS Status

Instructions and Manuals

LR Certificate

PRS Certificate

RINA Certificate

RMRS Certificate

Mechanical Durability	5 million
Maximum Mechanical Switching Frequency	300 cycles per hour
Coil Operating Limits	(acc. to IEC 60947-4-1) Uc (at θ ≤ 70 °C)
Rated Control Circuit Voltage (U _c)	50 Hz 100 250 V 60 Hz 100 250 V DC Operation 100 250 V
Coil Consumption	Holding at Max. Rated Control Circuit Voltage 50 Hz 6 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 6 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 130 V·A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 130 V·A Pull-in at Max. Rated Control Circuit Voltage DC 135 W
Operate Time	Between Coil De-energization and NO Contact Opening 37 47 ms Between Coil Energization and NO Contact Closing 25 55 ms
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP40
Terminal Type	Double Clamp

Environmental	
Ambient Air Temperature	Close to Contactor Fitted with Thermal O/L Relay (0.85 1.1 Uc) -25 +55 °C
	Close to Contactor without Thermal O/L Relay (0.85 1.1 Uc) -40 +70 °C Close to Contactor for Storage -40 +70 °C
Maximum Operating Altitude Permissible	3000 m

Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

1SFC100003M0201

LR_14_70011(E1)

TE_2092_880423_16

ELE060313XG_002

9AKK107045A6978

Certificates and Declarations (Document Number	r)
ABS Certificate	14-LD1092198-PDA
BV Certificate	BV_36353_A0BV
CB Certificate	SEMKO_SE-70479M1
CCC Certificate	2013010304604055
CCS Certificate	GB14T00030
CQC Certificate	CQC2013010304604055
cUL Certificate	20120925-E36588
Declaration of Conformity - CCC	2020980304001304
Declaration of Conformity - CE	2CMT2015-005439
DNV Certificate	DNV_E-14043
DNV GL Certificate	DNV_E-14043
EAC Certificate	9AKK107046A8618
Environmental Information	2CMT004732 1SAC200032H0002
GL Certificate	DNV_E-14043

RoHS Information	2CMT2015-005439
UL Listing Card	UL_E36588

Container Information	
Package Level 1 Units	box 1 piece
Package Level 1 Width	207 mm
Package Level 1 Depth / Length	216 mm
Package Level 1 Height	150 mm
Package Level 1 Gross Weight	1.75 kg
Package Level 1 EAN	7320500480908

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
IDEA Granular Category Code (IGCC)	4755 >> Contactors

Categories

 $\text{Low Voltage Products and Systems} \rightarrow \text{Control Products} \rightarrow \text{Contactors} \rightarrow \text{Block Contactors}$

