Product No: AF96300014

ABB CONTACTOR 130A AC1 96A AC3 3P 3NO 250-500VACDC COIL AF96300014

FEATURES

- Add-on auxiliary contact.
- Built-in surge suppression.
- Reduced panel energy consumption.
- Very distinct closing and opening.
- DIN Rail or panel mounting.

General Information	
Brand	ABB
Product Type	AF Contactors

Technical Attributes	
Cable Sections - Control Circuit	Flexible with Ferrule 1/2x 0.75 ... 2.5 mm² Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm² Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm² Rigid Solid 1/2x 1 ... 2.5 mm² Rigid Stranded 1/2x 1 ... 2.5 mm²
Cable Sections - Main Circuit	Flexible with Ferrule 1/2x 6 ... 50 mm² Flexible with Insulated Ferrule 1/2x 6 ... 50 mm² Rigid Stranded 1x 6 ... 70 mm² Rigid Stranded 2x 6 ... 50 mm²
Clamp Type	Screw Terminals
Coil Consumption	Average Retention Value 50 / 60 Hz 4 V A Average Retention Value 50 Hz 4 V A Average Retention Value 60 Hz 4 V A Average DC Retention Value 2 W Average Retention Value, from the Hot state 2 W
Conventional Free-Air Thermal Current - Ith (A)	according to IEC 60947-4-1, Open Contactors q = 40 °C 130 A
DIN Rail Mounting	TH35-15 (35 x 15 mm Mounting Bar) according to IEC 60715
Maximum Breaking Capacity	cos phi=0.45 (cos phi=0.35 for Ie > 100 A) at 440 V 1150 A cos phi=0.45 (cos phi=0.35 for Ie > 100 A) at 690 V 750 A

	AC-2 / AC-4 150 cycles per hour AC-3 1200 cycles per hour
Maximum Mechanical Switching Frequency	3600 cycles per hour
No. of Main Contacts	3 NO
No. of Poles	3
Operate Time	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
Rated Control Voltage	50 Hz 250 ... 500 V 60 Hz 250 ... 500 V Operation in DCin CD 250 ... 500 V
Rated Frequency (Hz)	50 / 60
Rated Impulse Withstand Voltage (kV)	8
Rated Insulation Voltage	acc. to IEC 60947-4-1 1000 V according to UL/CSA 600 V
Rated Operational Current AC-1 (A)	(690V) 40°C 130A (690V) 60°C 105A (690V) 70°C 90A
Rated Operational Current AC-3 (A)	(415V) 60°C 96A (440V) 60°C 96A (500V) 60°C 80A (690V) 60°C 57A (1000V) 60°C 30A (380 / 400 V) 60 °C 105 A (220 / 230 / 240 V) 60 °C 105 A
Rated Operational Power AC-3 (kW)	(415V) 55kW (440V) 55kW (500V) 55kW (690V) 55kW (1000V) 40kW (380 / 400 V) 45 kW (380 / 400 V) 55 kW (220 / 230 / 240 V) 25 kW (220 / 230 / 240 V) 30 kW
Rated Operational Voltage AC (V)	Main Circuit 1000 V
Rated Short-time Withstand Current Low Voltage - Icw (A)	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 840 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 140 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 300 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 1200 A

	at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 450 A
Wire Stripping Length (mm)	10 [Control Circuit] 17 [Main Circuit]

Dimensions	
Dimensions (mm)	125.5 * 70 * 116 [H*W*D]

Protection & Standards	
Degree of Protection	according to IEC 60529, IEC 60947-1, EN 60529 IP20 coils according to IEC 60529, IEC 60947-1, EN 60529 IP10 Main Terminals
Standards	IEC/EN 60947-1, IEC/EN 60947-4-1, UL 60947-1, UL 60947-4-1, CSA C22.2 No. 60947-1:22, CSA C22.2 No. 60947-4- 1:22