



Electric Automation
Automation specialists

Reference: AF2650-30-11
Code: 1SFL667001R7011

AF2650-30-11 100-250V 50/60Hz /
100-250 DC Contactor

Buy it at Electric Automation Network



A 3-phase Contactor suitable for various applications such as Isolation, By-pass and Distribution application up to max 1000 V. Operated with wide control voltage range 100-250 V, AC/DC

Ordering

EAN:	7320500481431
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85364900

Dimensions

Product Net Width:	438.0 mm
Product Net Depth:	244.0 mm
Product Net Height:	422.0 mm
Product Net Weight:	41.000 kg

Container Information

Package Level 1 Units:	1 piece
Package Level 1 Width:	250 mm
Package Level 1 Length:	440 mm
Package Level 1 Height:	430 mm

Package Level 1 Gross Weight:	43 kg
Package Level 1 EAN:	7320500481431

Technical

Number of Main Contacts NO:	3
Number of Main Contacts NC:	0
Number of Auxiliary Contacts NO:	1
Number of Auxiliary Contacts NC:	1
Rated Operational Voltage:	Main Circuit 1000 V
Rated Frequency (f):	Main Circuit 50/60 Hz
Conventional Free-air Thermal Current (I_{th}):	acc. to IEC 60947-4-1, Open Contactors $\theta = 40\text{ °C}$ 2650 A
Rated Operational Current AC-1 (I_e):	(690 V) 55 °C 2350 A (690 V) 40 °C 2650 A (1000 V) 40 °C 2650 A (1000 V) 55 °C 2350 A (690 V) 70 °C 2120 A (1000 V) 70 °C 2120 A
Rated Making Capacity AC-3 acc. to IEC 60947-4-1:	10 x I_e AC-3
Rated Short-time Withstand Current (I_{cw}):	at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 7500 A at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 10000 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 2200 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 12000 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 5500 A
Maximum Breaking Capacity:	$\cos \phi = 0.45$ ($\cos \phi = 0.35$ for $I_e > 100$ A) at 440 V 8400 A
Maximum Electrical Switching Frequency:	AC-1 15 cycles per hour
Rated Insulation Voltage (U_i):	acc. to UL/CSA 1000 V acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V
Rated Impulse Withstand Voltage (U_{imp}):	Main Circuit 8 kV
Mechanical Durability:	0.3 million
Maximum Mechanical Switching Frequency:	300 cycles per hour
Coil Operating Limits:	(acc. to IEC 60947-4-1) $0.85 \times U_c$ Min. ... $1.1 \times U_c$ Max. (at $\theta \leq 70\text{ °C}$) °C
Rated Control Circuit Voltage (U_c):	60 Hz 100...250 V 50 Hz 100...250 V DC Operation 100...250 V

Coil Consumption:	<p>Pull-in at Max. Rated Control Circuit Voltage 60 Hz 2450 V·A</p> <p>Holding at Max. Rated Control Circuit Voltage DC 20.5 V·A</p> <p>Holding at Max. Rated Control Circuit Voltage 50 Hz 48 V·A</p> <p>Pull-in at Max. Rated Control Circuit Voltage DC 2290 V·A</p> <p>Pull-in at Max. Rated Control Circuit Voltage 50 Hz 2450 V·A</p> <p>Holding at Max. Rated Control Circuit Voltage 60 Hz 48 V·A</p>
Operate Time:	<p>Between Coil Energization and NO Contact Closing 50...80 ms</p> <p>Between Coil De-energization and NO Contact Opening 35...55 ms</p> <p>Between Coil De-energization and NC Contact Closing 35...55 ms</p> <p>Between Coil Energization and NC Contact Opening 50...80 ms</p>
Connecting Capacity-Main Circuit:	Bar 100 mm
Connecting Capacity-Auxiliary Circuit:	<p>Solid 2x1...4 mm²</p> <p>Flexible with Insulated Ferrule 2x0.75...2.5 mm²</p> <p>Stranded 2x1...4 mm²</p> <p>Flexible 2x0.75...2.5 mm²</p> <p>Flexible with Ferrule 2x0.75...2.5 mm²</p>
Degree of Protection:	<p>acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20</p> <p>acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP00</p>
Terminal Type:	Main Circuit: Bars

Environmental

Ambient Air Temperature:	<p>Close to Contactor Fitted with Thermal O/L Relay (0.85 ... 1.1 Uc) -25...+50 °C</p> <p>Close to Contactor without Thermal O/L Relay (0.85 ... 1.1 Uc) -40...+70 °C</p> <p>Close to Contactor for Storage -40...+70 °C</p>
Maximum Operating Altitude Permissible:	3000 m

Technical UL/CSA

Maximum Operating Voltage UL/CSA:	Main Circuit 600 V
General Use Rating UL/CSA:	(600 V AC) 2700 A

Certificates and Declarations (Document Number)

CB Certificate:	SE-70500M1
CCC Certificate:	CQC_2013010304604054
Declaration of Conformity - CE:	2CMT004707
RINA Certificate:	ELE060313XG/002
RoHS Information:	1SFC101061D0201

Classifications

ETIM 5:	EC000066 - Magnet contactor, AC-switching
UNSPSC:	39121529