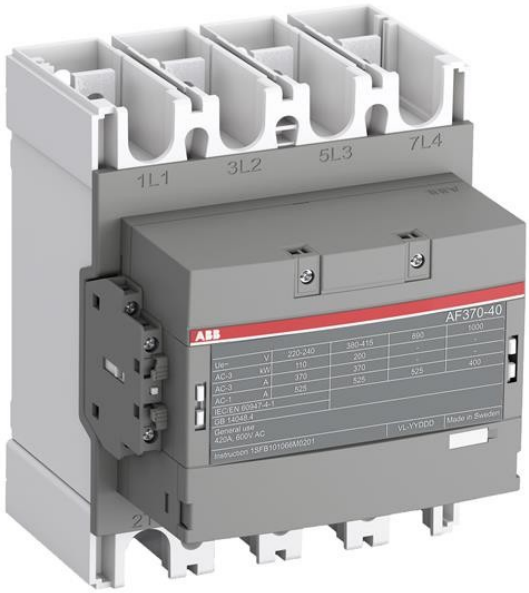
Reference: AF305-40-11-12
Code: 1SFL587102R1211

AF305-40-11-12 Contactor

Buy it at Electric Automation Network



A 3-phase Contactor suitable for various applications such as Motor starting, Isolation, By-pass and Distribution application up to max 1000 V. Operated with wide control voltage range 48-130 V, 50/60 Hz and DC

Ordering

EAN:	7320500505038
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85364900

Dimensions

Product Net Width:	184,4 mm
Product Net Depth:	180 mm
Product Net Height:	225,4 mm
Product Net Weight:	5.55 kg

Container Information

Package Level 1 Units:	1 piece
Package Level 1 Gross Weight:	6.38 kg

Technical

Number of Main Contacts NO:	4
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 Hz
Conventional Free-air Thermal Current (I_{th}):	acc. to IEC 60947-4-1, Open Contactors q = 40 °C 500 A
Rated Operational Current AC-1 (I_e):	(690 V) 40 °C 500 A (1000 V) 40 °C 375 A (690 V) 70 °C 325 A (690 V) 60 °C 400 A (1000 V) 60 °C 325 A (1000 V) 70 °C 260 A
Rated Operational Current AC-3 (I_e):	(220 / 230 / 240 V) 55 °C 305 A (415 V) 55 °C 305 A (440 V) 55 °C 305 A (380 / 400 V) 55 °C 305 A
Rated Operational Power AC-3 (P_e):	(220 / 230 / 240 V) 90 kW (380 / 400 V) 160 kW (440 V) 160 kW (415 V) 160 kW
Rated Breaking Capacity AC-3 acc. to IEC 60947-4-1:	8 x Ie AC-3
Rated Making Capacity AC-3 acc. to IEC 60947-4-1:	10 x Ie AC-3
Short-Circuit Protective Devices:	gG Type Fuses 630 A
Rated Short-time Withstand Current (I_{cw}):	at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 1409 A at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 2440 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 500 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 3050 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 996 A
Maximum Breaking Capacity:	cos phi=0.45 (cos phi=0.35 for Ie > 100 A) at 440 V 4600 A
Maximum Electrical Switching Frequency:	AC-1 300 cycles per hour
Rated Insulation Voltage (U_i):	acc. to UL/CSA 600 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:	5 million
Maximum Mechanical Switching Frequency:	300 cycles per hour
Coil Operating Limits:	(acc. to IEC 60947-4-1)0.85 x Uc Min. ... 1.1 x Uc Max. (at θ ≤ 70 °C) °C
Rated Control Circuit Voltage (U_c):	60 Hz 48…130 V 50 Hz 48…130 V DC Operation 48…130 V

Coil Consumption:	Pull-in at Max. Rated Control Circuit Voltage 60 Hz 340 V·A Holding at Max. Rated Control Circuit Voltage DC 2.5 W Holding at Max. Rated Control Circuit Voltage 50 Hz 17 V·A Pull-in at Max. Rated Control Circuit Voltage DC 360 W Pull-in at Max. Rated Control Circuit Voltage 50 Hz 340 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 17 V·A
Operate Time:	Between Coil Energization and NO Contact Closing 30...60 ms Between Coil De-energization and NO Contact Opening 45...80 ms
Connecting Capacity-Main Circuit:	Rigid Al-Cable 1x185...240 mm² Rigid Cu-Cable 2x70...185 mm² Flexible 2x70...185 mm²
Connecting Capacity-Auxiliary Circuit:	Solid 2x1...4 mm² Flexible with Insulated Ferrule 2x0.75...2.5 mm² Stranded 1x1...4 mm² Flexible 2x0.75...2.5 mm² Flexible with Ferrule 2x0.75...2.5 mm²
Degree of Protection:	acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP00
Terminal Type:	Main Circuit: Bars

Environmental

Ambient Air Temperature:	Close to Contactor Fitted with Thermal O/L Relay (0.85 ... 1.1 Uc) -25...+50 °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

Technical UL/CSA

Maximum Operating Voltage UL/CSA:	Main Circuit 600 V

Classifications

ETIM 5:	EC000066 - Magnet contactor, AC-switching