

PRODUCT-DETAILS

AF140-40-00B-12 AF140-40-00B-12 Contactor



Extended Product Type	AF140-40-00B-12
Product ID	1SFL447102R1200
EAN	7320500505243
Catalog Description	AF140-40-00B-12 Contactor
Long Description Long Descrip	
Ordering	1 pigge
Minimum Order Quantity	1 piece
	1 piece 85364900
Minimum Order Quantity	· · · · · · · · · · · · · · · · · · ·
Minimum Order Quantity Customs Tariff Number Popular Downloads Data Sheet, Technical	· · · · · · · · · · · · · · · · · · ·
Minimum Order Quantity Customs Tariff Number	85364900

Dimensions	
Product Net Width	120 mm
Product Net Depth / Length	128 mm
Product Net Height	150 mm
Product Net Weight	1.95 kg

Technical		
Number of Main Contacts NO	4	
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 Hz	
Conventional Free-air Thermal Current (I _{th})	acc. to IEC 60947-4-1, Open Contactors q = 40 °C 200 A	
Rated Operational Current AC-1 (I _e)	(690 V) 40 °C 200 A (690 V) 60 °C 175 A (690 V) 70 °C 160 A	
Rated Operational Current AC-3 (I _e)	(415 V) 55 °C 140 A (440 V) 55 °C 140 A (380 / 400 V) 55 °C 140 A (220 / 230 / 240 V) 55 °C 140	
Rated Operational Power AC-3 (P _e)	(415 V) 75 kW (440 V) 90 kW (380 / 400 V) 75 kW (220 / 230 / 240 V) 37 kW	
Rated Breaking Capacity AC-3	8 x le AC-3	
Rated Making Capacity AC-3	10 x le AC-3	
Short-Circuit Protective Devices	gG Type Fuses 250 A	
Rated Short-time Withstand Current Low Voltage (I _{cw})	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	
Maximum Breaking Capacity	cos phi=0.45 (cos phi=0.35 for le > 100 A) at 440 V 3000 A	
Maximum Electrical Switching Frequency	(AC-1) 300 cycles per hour	
Rated Insulation Voltage (U_i)	acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V acc. to UL/CSA 600 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 $\theta \le 70$ °C)	
Rated Control Circuit Voltage (U _c)	50 Hz 48 130 V 60 Hz 48 130 V DC Operation 48 130 V	
Coil Consumption	Holding at Max. Rated Control Circuit Voltage 50 Hz 4 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 4 V·A Holding at Max. Rated Control Circuit Voltage DC 2.5 W Pull-in at Max. Rated Control Circuit Voltage 50 Hz 180 V·A	

Pull-in at Max. Rated Control Circuit Voltage 50 Hz 180 V/A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 180 V/A

	Pull-in at Max. Rated Control Circuit Voltage DC 150 W	
Operate Time	Between Coil De-energization and NO Contact Opening 40 70 ms Between Coil Energization and NO Contact Closing 20 55 ms	
Connecting Capacity Main Circuit	Flexible 2 x 10 70 mm² Rigid Cu-Cable 2 x 10 95 mm²	
Connecting Capacity Auxiliary Circuit	Flexible with Ferrule 1x 0.75 2.5 mm ² Flexible with Insulated Ferrule 2x 0.75 2.5 mm ² Flexible 2x0.75 2.5 mm ² Solid 2 x 1 4 mm ² Stranded 2 x 1 4 mm ²	
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	
Technical UL/CSA		
NEMA Size	4	
Maximum Operating Voltage UL/CSA	Main Circuit 600 V	
General Use Rating UL/CSA	(600 V AC) 200 A	
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	Without Derating 3000 m	
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019	
Certificates and Declarations (E	Jocument Number) 14-LD1092198-PDA	
BV Certificate	BV_36353_A0BV	
CB Certificate	SEMKO SE-70479M1	
CQC Certificate	CQC2013010304604055	
cUL Certificate	E73397_20140710	
Declaration of Conformity - CCC	2020980304001304	
Declaration of Conformity - CE	2CMT2015-005440	
Declaration of Conformity - UKCA	2CMT2020-006118	
DNV GL Certificate	DNV_E-14043	
EAC Certificate	9AKK107046A8618	
Instructions and Manuals	1SFC101065M0201	

9AKK107046A9911

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9AKK107045A6978

2CMT2015-005440

Container Information

Package Level 1 Units

KC Certificate

PRS Certificate

RINA Certificate

RoHS Information

Package Level 1 Width	147 mm
Package Level 1 Depth / Length	197 mm
Package Level 1 Height	155 mm
Package Level 1 Gross Weight	2.15 kg
Package Level 1 EAN	7320500505243

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U	ass	ITICa	ntions

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
ETIM 8	EC000066 - Power contactor, AC switching
eClass	V11.0 : 27371003
UNSPSC	39121529
IDEA Granular Category Code (IGCC)	4755 >> Contactors
E-Number (Finland)	3706096

Categories

Low Voltage Products and Systems \rightarrow Control Products \rightarrow Contactors \rightarrow Block Contactors

