

AF116-40-00-13

Información general

Tipo de producto extendido:	AF116-40-00-13
ID del Producto:	1SFL427101R1300
EAN:	7320500503966
Descripción del catálogo:	Contactor AF116-40-00-13
Descripción larga:	Un contactor trifásico adecuado para diversas aplicaciones, como arranque de motor, aislamiento, derivación y aplicación de distribución hasta un máximo de 690 V. Operado con un amplio rango de voltaje de control de 100-250 V, 50/60 Hz y CC

Categorías

Productos »Productos y sistemas de bajo voltaje» Productos de control »Contactores»
Contactores a través de la línea

Clasificaciones

Código de clasificación de objetos: Q

ETIM 4:	EC000066 - Contactor magnético, conmutación CA
ETIM 5:	EC000066 - Contactor magnético, conmutación CA
ETIM 6:	EC000066 - Contactor de potencia, conmutación de CA
ETIM 7:	EC000066 - Power contactor, AC switching
IDEA Granular Category Code (IGCC):	4755 >> Contactors

Container Information

Package Level 1 Units:	box 1 piece
Package Level 1 Width:	147 mm
Package Level 1 Depth / Length:	197 mm
Package Level 1 Height:	155 mm
Package Level 1 Gross Weight:	2.25 kg
Package Level 1 EAN:	7320500503966

Certificates and Declarations (Document Number)

ABS Certificate:	<u>14-LD1092198-PDA</u>
BV Certificate:	<u>BV_36353_A0BV</u>
CB Certificate:	<u>SEMKO_SE-70479M1</u>
CCC Certificate:	<u>2013010304604055</u>
cUL Certificate:	<u>E73397_20140710</u>
Declaration of Conformity - CE:	<u>2CMT2015-005440</u>

DNV GL Certificate:	<u>DNV_E-14043</u>
EAC Certificate:	<u>9AKK107046A8618</u>
Instructions and Manuals:	<u>1SFC101065M0201</u>
KC Certificate:	<u>9AKK107046A9911</u>
LR Certificate:	<u>LR_14_70011(E1)</u>
PRS Certificate:	<u>TE_2092_880423_16</u>
RINA Certificate:	<u>ELE060313XG_002</u>
RMRS Certificate:	<u>9AKK107045A6978</u>
RoHS Information:	<u>2CMT2015-005440</u>

Technical UL/CSA

Maximum Operating Voltage UL/CSA: Main Circuit 600 V

General Use Rating UL/CSA: (600 V AC) 160 A

Environmental

Ambient Air Temperature: Close to Contactor for Storage -40 ... +70 °C
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

Maximum Operating Altitude Permissible: 3000 m

RoHS Status: Following EU Directive 2015/863 July 22, 2019 (RoHS 3)

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 60 Hz

Conventional Free-air Thermal Current (I_{th}): acc. to IEC 60947-4-1, Open Contactors q = 40 °C 160 A

Rated Operational Current AC-1 (I_e): (690 V) 40 °C 160 A
(690 V) 60 °C 145 A
(690 V) 70 °C 130 A

Rated Operational Current AC-3 (I_e): (220 / 230 / 240 V) 55 °C 116 A
(380 / 400 V) 55 °C 116 A
(415 V) 55 °C 116 A
(440 V) 55 °C 116 A

Rated Operational Power AC-3 (P_e):	(220 / 230 / 240 V) 30 kW (380 / 400 V) 55 kW (415 V) 55 kW (440 V) 75 kW
Rated Breaking Capacity AC-3 acc. to IEC 60947-4-1:	8 x I_e AC-3
Rated Making Capacity AC-3 acc. to IEC 60947-4-1:	10 x I_e AC-3
Short-Circuit Protective Devices:	gG Type Fuses 200 A
Rated Short-time Withstand Current (I_{cw}):	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 928 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 160 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 379 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 1300 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 536 A
Maximum Breaking Capacity:	$\cos \phi = 0.45$ ($\cos \phi = 0.35$ for $I_e > 100$ A) at 440 V 2000 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 U_c Min. ... 1.1 x U_c Max. (at $\theta \leq 70$ °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 Holding at Max. Rated Control Circuit Voltage DC 3 W 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 40 ... 70 ms Between Coil Energization and NO Contact Closing 20 ... 55 ms
Connecting Capacity Main Circuit:	Flexible 1 x 10 ... 70 m ² Rigid Cu-Cable 2 x 10 ... 95 m ²
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 m ² Solid 2 x 1 ... 4 m ² Stranded 1 x 1 ... 4 m 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: Double Clamp

Dimensions

Product Net Width: 120 mm

Product Net Depth / Length: 128 mm

Product Net Height: 150 mm

Product Net Weight: 2.05 kg

Popular Downloads

Data Sheet, Technical Information: [1SBC100192C0206](#)

Instructions and Manuals: [1SFC101065M0201](#)

Ordering

Minimum Order Quantity: 1 piece

Customs Tariff Number: 85364900



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