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PRODUCT-DETAILS

## AF140-30-11-13 AF140-30-11-13 Contactor



General	Information	

Extended Product Type AF140-30-11-13 1SFL447001R1311 Product ID

EAN 7320500476949 Catalog Description

> The AF140-30-11-13 is a 3 pole - 690 V IEC or 600 V UL contactor with pre-mounted The AF140-30-11-13 is a 3 pole - 690 V IEC or 600 V UL contactor with pre-mounted auxiliary contacts and double clamp, controlling motors up to 75 kW / 400 V AC (AC-3) or 100 hp / 480 V UL and switching power circuits up to 200 A (AC-1) or 200 A UL general use. Thanks to the AF technology, the contactor has a wide control voltage range (100-250 V 50/60 Hz and DC), managing large control voltage variations, reducing panel energy consumptions and ensuring distinct operations in unstable networks. Furthermore, surge protection is built-in, offering a compact solution. AF contactors have a block type design, can be easily extended with add-on auxiliary contact blocks and an additional wide range of

Long Description

Ordering Minimum Order Quantity 1 piece Customs Tariff Number 85364900

## Popular Downloads

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Data Sheet, Technical Information	1SBC100192C0206
Instructions and Manuals	1SFC100003M0201
CAD Dimensional	2CDC001079B0201
Drawing	
Dimension Diagram	1SFB535001G1051
Dimensions	
Product Net Width	90 mm
Product Net Depth / Length	126 mm
Product Net Height	150 mm
Product Net Weight	1.55 kg
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 690 V
Rated Frequency (f)	Main Circuit 50 / 60 Hz
Conventional Free-air Thermal Current (I <sub>th</sub> )	acc. to IEC 60947-4-1, Open Contactors Θ = 40 °C 200 A
Rated Operational Current AC-1 (I <sub>e</sub> )	(690 V) 40 °C 200 A (690 V) 70 °C 160 A
Rated Operational Current AC-3 (I <sub>e</sub> )	(415 V) 55 °C 140 A (440 V) 55 °C 140 A (500 V) 55 °C 130 A (690 V) 55 °C 80 A (380 / 400 V) 55 °C 140 A (220 / 230 / 240 V) 55 °C 140 A
Rated Operational Current AC-3e (I <sub>e</sub> )	(415 V) 60 °C 140 A (440 V) 60 °C 140 A (500 V) 60 °C 130 A (690 V) 60 °C 80 A (380 / 400 V) 60 °C 140 A (220 / 230 / 240 V) 60 °C 140 A
Rated Operational Power AC-3 (P <sub>e</sub> )	(415 V) 75 kW (440 V) 90 kW (500 V) 90 kW (690 V) 75 kW (380 / 400 V) 75 kW (220 / 230 / 240 V) 37 kW
Rated Operational Power AC-3e (P <sub>e</sub> )	(220 / 230 / 240 V) 37 kW (415 V) 75 kW (440 V) 90 kW (500 V) 90 kW (690 V) 75 kW (380 / 400 V) 75 kW (220 / 230 / 240 V) 37 kW
Rated Breaking Capacity AC-3	8 x le AC-3
Rated Breaking Capacity AC-3e	8.5 x le AC-3e
Rated Making Capacity AC-3	10 x le AC-3
Rated Making Capacity AC-3e	12 x le AC-3e
Short-Circuit Protective Devices	gG Type Fuses 315 A
Rated Short-time	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 1168 A

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Withstand Current Low	Mah at a d O	-1 40 °C Ambient Terre in Free Air free - Cold Chat 15 min 200 A		
at 40 °C Ambent Temp, in Free Air, from a Cold State 1 s 1460 A Capacity cos phill-0.45 (cos phill-0.35 for le > 100 A) at 440 V 3000 A Capacity cos phill-0.45 (cos phill-0.35 for le > 100 A) at 440 V 3000 A Maximum Electrical Michigan Frequency (AC-27, AC-4) 150 (296 be) 150 phill-0.35 for le > 100 A) at 480 V 1500 A Maximum Electrical Rated Operational Current (AC-3) 300 cycles per hour (AC-3)		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		
Caspacity		at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 1460 A		
Switching Frequency				
Rated Operational Current				
DC-1 (I <sub>D</sub> )   (220 V) 3 Poles in Series, 40 °C 160 A DC-3 (I <sub>D</sub> )   (220 V) 3 Poles in Series, 40 °C 160 A DC-3 (I <sub>D</sub> )   (220 V) 3 Poles in Series, 40 °C 160 A DC-3 (I <sub>D</sub> )   (220 V) 3 Poles in Series, 40 °C 160 A DC-3 (I <sub>D</sub> )   (220 V) 3 Poles in Series, 40 °C 160 A DC-3 (I <sub>D</sub> )   (220 V) 3 Poles in Series, 40 °C 160 A DC-3 (I <sub>D</sub> )   (220 V) 3 Poles in Series, 40 °C 160 A DC-3 (I <sub>D</sub> )   (220 V) 3 Poles in Series, 40 °C 160 A DC-3 (I <sub>D</sub> )   (220 V) 3 Poles in Series, 40 °C 160 A DC-3 (I <sub>D</sub> )   (220 V) 3 Poles in Series, 40 °C 160 A DC-3 (I <sub>D</sub> )   (220 V) 3 Poles in Series, 40 °C 160 A DC-3 (I <sub>D</sub> )   (220 V) 3 Poles in Series, 40 °C 160 A DC-3 (I <sub>D</sub> )   (220 V) 3 Poles in Series, 40 °C 160 A DC-3 (I <sub>D</sub> )   (220 V) 3 Poles in Series, 40 °C 160 A DC-3 (I <sub>D</sub> )   (220 V) 3 Poles in Series, 40 °C 160 A DC-3 (I <sub>D</sub> )   (220 V) 4	Switching Frequency	(AC-3) 300 cycles per hour		
DC-3 (I <sub>p</sub> )   (220 V) 3 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles in Series, 40 °C 160 A DC-5 (I <sub>p</sub> )   (110 V) 2 Poles				
DC-5 (I <sub>0</sub> )   (220 V) 3 Poles in Series, 40 °C 160 A Pated Insulation Voltage (U <sub>1</sub> )   acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V (U <sub>1</sub> )   acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V (U <sub>1</sub> )   acc. to IULCSA 600 V Rated Impulse Withstand Voltage (U <sub>Imp</sub> )   Main Circuit 8 kV Voltage (U <sub>Imp</sub> )   Mechanical Durability   5 million Maximum Mechanical Solve per hour Switching Frequency   Coil Operating Limits   (acc. to IEC 60947-4-1) 0.85 x Uc Min 1.1 x Uc Max. (at € s.70 °C) Coil Operating Limits   (acc. to IEC 60947-4-1) 0.85 x Uc Min 1.1 x Uc Max. (at € s.70 °C) Gol + 12 100 250 V Gol + 12 100 V Gol +				
(LJ)				
Rated Impulse Withstand Voltage (Ump)         Main Circuit 8 kV Voltage (Ump)           Mechanical Durability         5 million           Maximum Mechanical Switching Frequency         300 cycles per hour Switching Frequency           Call Operating Limits         (acc. to IEC 60947-4-1) 0.85 x Uc Min 1.1 x Uc Max. (at 6 ≤ 70 °C)           Rated Control Circuit         5 0H z 100 250 V C 60 Hz 100 250 V DC Operation 100 2	<del>-</del>			
Mechanical Durability         5 million           Maximum Mechanical         300 cycles per hour           Switching Frequency         300 cycles per hour           Coil Operating Limits         (acc. to IEC 60947-4-1) 0.85 x Ue Min 1.1 x Ue Max. (at 8 ≤ 70 °C)           Rated Control Circuit         50 Hz 100 250 V           Vollage (U <sub>c</sub> )         DC Operation In 00 250 V           Coil Consumption         Holding at Max. Rated Control Circuit Voltage 50 Hz 6 V-A           Holding at Max. Rated Control Circuit Voltage 50 Hz 6 V-A         Holding at Max. Rated Control Circuit Voltage 50 Hz 6 V-A           Pull-in at Max. Rated Control Circuit Voltage 50 Hz 30 V-A         Pull-in at Max. Rated Control Circuit Voltage 50 Hz 130 V-A           Operate Time         Between Coil Energization and No Contact Opening 37 ··· 47 ms         Pull-in at Max. Rated Control Circuit Voltage 50 Hz 30 V-A           Connecting Capacity Main         Retween Coil Energization and No Contact Opening 37 ··· 47 ms         Pull-in at Max. Rated Control Circuit Voltage 50 Hz 30 V-A           Connecting Capacity Main         Retween Coil Energization and No Contact Closing 25 ··· 55 ms         Between Coil Energization and No Contact Closing 37 ··· 47 ms         Between Coil Energization and No Contact Closing 37 ··· 47 ms         Between Coil Energization and No Contact Closing 25 ··· 55 mm         Flexible with insulated Ferrule 2 v. 75 ··· 2.5 mm²         Flexible 2 v. 10 ··· 37 ··· 37 ·· 37 ms         Flexible vibral series of the Standard S	Rated Impulse Withstand			
Maximum Mechanical Switching Frequency         300 cycles per hour Switching Frequency           Coil Operating Limits         (acc. to IEC 60947-4-1) 0.85 x Uc Min 1.1 x Uc Max. (at 0 ≤ 70 °C)           Rated Control Circuit         50 Hz 100 250 V 60 Hz 100 250 V 9 CO Deperation 100 250 V 9 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 50 Hz 6 V-A Holding at Max. Rated Control Circuit Voltage 50 Hz 6 V-A Holding at Max. Rated Control Circuit Voltage 50 Hz 130 V-A Pull-in at Max. Rated Control Circuit Vol	· · · · · · · · · · · · · · · · · · ·	5 million		
Switching Frequency	-			
Rated Control Circuit				
Voltage (U <sub>c</sub> )         60 Hz 100 250 V DC Operation 100 250 V DC Operation 100 250 V Coil Consumption         A 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 60 Hz 6 V-A Holding at Max. Rated Control Circuit Voltage 60 Hz 130 V-A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 140 V-A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 140 V-A Pull-in at Max. Rated Cont	Coil Operating Limits	(acc. to IEC 60947-4-1) 0.85 x Uc Min 1.1 x Uc Max. (at $\theta \le 70$ °C)		
Coliconsumption				
Holding at Max. Rated Control Circuit Voltage 60 Hz 6 V-A Holding at Max. Rated Control Circuit Voltage 50 Hz 6 V-A Holding at Max. Rated Control Circuit Voltage 50 Hz 130 V-A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 130 V-A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 130 V-A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 130 V-A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 130 V-A 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 60 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 60 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 60 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 60 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 60 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 60 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 60 Hz 130 V-A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 130 V-A Pull-in at Max. Rated Control Circuit File Pull-in at Max. Rated C	voltage (O <sub>C</sub> )			
Holding at Max. Rated Control Circuit Voltage DC 3 W Pull-in at Max. Rated Control Circuit Voltage 50 Hz 130 VA Pull-in at Max. Rated Control Circuit Voltage 50 Hz 130 VA Pull-in at Max. Rated Control Circuit Voltage 50 Hz 130 VA Pull-in at Max. Rated Control Circuit Voltage 60 Hz 130 VA Pull-in at Max. Rated Control Circuit Voltage 60 Hz 130 VA Pull-in at Max. Rated Control Circuit Voltage 60 Hz 130 VA Pull-in at Max. Rated Control Circuit Voltage 60 Hz 130 VA Pull-in at Max. Rated Control Circuit Voltage 60 Hz 130 VA Pull-in at Max. Rated Control Circuit Voltage 60 Hz 130 VA Pull-in at Max. Rated Control Circuit Voltage 60 Hz 130 VA Pull-in at Max. Rated Control Circuit Voltage 60 Hz 130 VA Dram? Retain 20 Hz 10 70 mm² Retween Coil Energization and NO Contact Closing 25 55 ms Retween	Coil Consumption			
Pull- in at Max. Rated Control Circuit Voltage 60 Hz 130 V-A Pull- in at Max. Rated Control Circuit Voltage DC 135 W Pull- in at Max. Rated Control Circuit				
Pull-in at Max. Rated Control Circuit Voltage DC 135 W				
Operate Time         Between Coil De-energization and NO Contact Opening 37 47 ms Between Coil Energization and NO Contact Closing 25 55 ms           Connecting Capacity Main         Flexible 2 x 10 70 mm² Rigid Cu-Cable 2 x 10 95 mm² Rigid Cu-Cable 2 x 10 95 mm²           Connecting Capacity         Flexible with Ferrule 2 x 0.75 25 mm² Flexible with Insulated Ferrule 2 x 0.75 25 mm² Solid 2 x 1 4 mm²           Auxiliary Circuit         Flexible with Insulated Ferrule 2 x 0.75 25 mm² Solid 2 x 1 4 mm² Stranded 2 x 1 4 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 IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529				
Circuit         Rigid Cu-Cable 2 x 10 95 mm²           Connecting Capacity         Flexible with Ferrule 2 x 0.75 2.5 mm²           Auxiliary Circuit         Flexible with Insulated Ferrule 2 x 0.75 2.5 mm²           Solid 2 x 1 4 mm²         Stranded 2 x 1 4 mm²           Stranded 2 x 1 4 mm²         Stranded 2 x 1 4 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           Double Clamp           Technical UL/CSA           NEMA Size         4           Continuous Current         135 A           Rating NEMA         (200 V AC) Three Phase 40 Hp         (230 V AC) Three Phase 40 Hp           Use of Continuous Current         (230 V AC) Three Phase 100 Hp         (575 V AC) Three Phase 100 Hp           Maximum Operating         Main Circuit 600 V           Voltage UL/CSA         Main Circuit 600 V           General Use Rating         (600 V AC) 200 A           UL/CSA         (208 V AC) Three Phase 40 hp           Horsepower Rating         (208 V AC) Three Phase 50 hp           UL/CSA         (208 V AC) Three Phase 50 hp           Horsepower Rating         (208 V AC) Three Phase 50 hp           With the proper ser	Operate Time	Between Coil De-energization and NO Contact Opening 37 47 ms		
Auxiliary Circuit    Flexible with Insulated Ferrule 2x 0.75 2.5 mm² Flexible v2x 0.75 2.5 mm² Flexible v2x 0.75 2.5 mm² Flexible v2x 0.75 2.5 mm² Solid 2x 1 4 mm² Stranded 2 x 1 4 mm² Stranded 2 x 1 4 mm² Degree of Protection   acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP200 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP00 Terminal Type   Double Clamp				
Flexible 2x0.75 2.5 mm²   Solid 2 x 1 4 mm²				
Solid 2 x 1 4 mm²   Stranded 2 x 1 4 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	Auxiliary Circuit			
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 IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60929, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60929, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60929, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60929, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60929, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60929, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60929, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60929, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60929, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60929, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60929, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60929, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60929, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60929, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60929, IEC 60947-1, EN 60529 Main Terminals IP20 acc. to IEC 60929, IEC 60947-1, EN 60529 Main Terminals IP00 Terminals IP00 acc. to IEC 60929, IEC 60947-1, EN 60529 Main Terminals IP00 acc. to IEC 60929, IEC 60947-1, EN 60529 Main Terminals IP00 acc. to IEC 60929, IEC 60947-1, EN 60529 Main Terminals IP00 acc. to IEC 60929, IEC		Solid 2 x 1 4 mm <sup>2</sup>		
Terminal Type   Double Clamp	Dograp of Protection			
Technical UL/CSA				
NEMA Size  Continuous Current Rating NEMA  Horsepower Rating NEMA  Horsepower Rating NEMA  (200 V AC) Three Phase 40 Hp (230 V AC) Three Phase 50 Hp (460 V AC) Three Phase 100 Hp (575 V AC) Three Phase 100 Hp (575 V AC) Three Phase 100 Hp (600 V AC) AC)  Maximum Operating Wain Circuit 600 V Voltage UL/CSA  General Use Rating (600 V AC) 200 A UL/CSA  Horsepower Rating (200 V AC) Three Phase 40 hp (220 240 V AC) Three Phase 40 hp (220 240 V AC) Three Phase 50 hp (440 480 V AC) Three Phase 100 hp	Terminal Type	Double Clamp		
NEMA Size  Continuous Current Rating NEMA  Horsepower Rating NEMA  Horsepower Rating NEMA  (200 V AC) Three Phase 40 Hp (230 V AC) Three Phase 50 Hp (460 V AC) Three Phase 100 Hp (575 V AC) Three Phase 100 Hp (575 V AC) Three Phase 100 Hp  Maximum Operating Voltage UL/CSA  General Use Rating UL/CSA  General Use Rating (600 V AC) 200 A UL/CSA  Horsepower Rating (200 V AC) Three Phase 40 hp (208 V AC) Three Phase 40 hp (220 240 V AC) Three Phase 50 hp (440 480 V AC) Three Phase 50 hp (440 480 V AC) Three Phase 100 hp				
NEMA Size  Continuous Current Rating NEMA  Horsepower Rating NEMA  Horsepower Rating NEMA  (200 V AC) Three Phase 40 Hp (230 V AC) Three Phase 50 Hp (460 V AC) Three Phase 100 Hp (575 V AC) Three Phase 100 Hp (575 V AC) Three Phase 100 Hp  Maximum Operating Voltage UL/CSA  General Use Rating UL/CSA  General Use Rating (600 V AC) 200 A UL/CSA  Horsepower Rating (200 V AC) Three Phase 40 hp (208 V AC) Three Phase 40 hp (220 240 V AC) Three Phase 50 hp (440 480 V AC) Three Phase 50 hp (440 480 V AC) Three Phase 100 hp	Technical UL/CSA			
Rating NEMA         (200 V AC) Three Phase 40 Hp (230 V AC) Three Phase 50 Hp (460 V AC) Three Phase 100 Hp (575 V AC) Three Phase 100 Hp (575 V AC) Three Phase 100 Hp           Maximum Operating Voltage UL/CSA         Main Circuit 600 V VOltage UL/CSA           General Use Rating UL/CSA         (600 V AC) 200 A UL/CSA           Horsepower Rating UL/CSA         (200 V AC) Three Phase 40 hp (208 V AC) Three Phase 40 hp (208 V AC) Three Phase 40 hp (220 240 V AC) Three Phase 50 hp (440 480 V AC) Three Phase 100 hp	NEMA Size	4		
(230 V AC) Three Phase 50 Hp (460 V AC) Three Phase 100 Hp (575 V AC) Three Phase 100 Hp (575 V AC) Three Phase 100 Hp (575 V AC) Three Phase 100 Hp Main Circuit 600 V Voltage UL/CSA		135 A		
Maximum Operating Voltage UL/CSA General Use Rating UL/CSA Horsepower Rating UL/CSA G(200 V AC) Three Phase 100 Hp (600 V AC) 200 A UL/CSA (200 V AC) Three Phase 40 hp (208 V AC) Three Phase 40 hp (200 W AC) Three Phase 50 hp (440 480 V AC) Three Phase 100 hp	Horsepower Rating NEMA			
Maximum Operating Voltage UL/CSA  General Use Rating UL/CSA  Horsepower Rating UL/CSA  (600 V AC) 200 A (600 V AC) 200 A (200 V AC) Three Phase 40 hp (208 V AC) Three Phase 40 hp (220 240 V AC) Three Phase 50 hp (440 480 V AC) Three Phase 100 hp		(460 V AC) Three Phase 100 Hp		
General Use Rating UL/CSA  Horsepower Rating UL/CSA  (600 V AC) 200 A (200 V AC) Three Phase 40 hp (208 V AC) Three Phase 40 hp (208 V AC) Three Phase 50 hp (220 240 V AC) Three Phase 50 hp (440 480 V AC) Three Phase 100 hp		, , ,		
UL/CSA (208 V AC) Three Phase 40 hp (220 240 V AC) Three Phase 50 hp (440 480 V AC) Three Phase 100 hp	General Use Rating	(600 V AC) 200 A		
(220 240 V AC) Three Phase 50 hp (440 480 V AC) Three Phase 100 hp				
(440 480 V AC) Three Phase 100 hp	UL/CSA			
(550 600 V AC) Three Phase 125 hp		(440 480 V AC) Three Phase 100 hp		
		(550 600 V AC) Three Phase 125 hp		

## Environmental

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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	Without Derating 3000 m

Material Compliance	
Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	2CMT2021-006202
RoHS Information	2CMT2021-006277
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Toxic Substances Control Act - TSCA	2CMT2023-006525
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Circular Value	
ABB EcoSolutions	Yes
Circular Design Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 87.8 %
End of Life Instructions	1SFC100112M0001
Group Waste to Landfill Target	Non-hazardous waste is sent to a landfill, where there is no alternative option available within 100km of a facility
Improved Resource Efficiency for Customers	Product Efficiency - Product requires less energy to operate compared to similar product on market or older products from the same line
Sustainable Material Content	Recycled Metal - 37 %

Eco Transparency	
Environmental Product Declaration - EPD	1SFC100092D0201
Declaration - EPD	

Certificates and Declarations	
A2L Certificate - UL	9AKK108468A6693
ABS Certificate	14-LD1092198-PDA
BV Certificate	BV_36353_A0BV
CB Certificate	SEMKO_SE-70479M1
CCS Certificate	GB14T00030
CQC Certificate	CQC2013010304604055
Declaration of Conformity - CCC	2020980304001304
Declaration of Conformity - CE	2CMT2015-005439
Declaration of Conformity - UKCA	2CMT2020-006118
DNV Certificate	DNV_E-14043
DNV GL Certificate	DNV_E-14043
EAC Certificate	9AKK107046A8618
GL Certificate	DNV_E-14043
LR Certificate	LR_14_70011(E1)
PRS Certificate	TE_2092_880423_16
RINA Certificate	ELE060313XG_002
RMRS Certificate	9AKK107045A6978

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 UL Certificate
 20120925-E36588

 UL Listing Card
 UL E36588

Container Information	
Package Level 1 Units	box 1 piece
Package Level 1 Width	207 mm
Package Level 1 Depth / Length	216 mm
Package Level 1 Height	150 mm
Package Level 1 Gross Weight	1.75 kg
Package Level 1 EAN	7320500476949

Classifications	
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)	4758 >> lec Contactors
E-Number (Finland)	3706192
E-Number (Norway)	4117619

Accessories				
Identifier	Description	Туре	Quantity	Unit Of Measure
1SFN034403R1000	VM140/190 Mechanical Interlock Unit	VM140/190	1	piece
1SFN074203R1000	LY140 Connecting Strip	LY140	1	piece
1SFN074207R1000	LW140 Terminal Enlargement	LW140	1	piece
1SFN074208R1000	LD146-30 Connection Module	LD146-30	1	piece
1SFN074210R1000	LX140 Terminal Extension	LX140	1	piece
1SFN074211R1000	LL146-30 Connection Socket	LL146-30	1	piece
1SFN084206R1000	BEA140/XT2 Connection Set	BEA140/XT2	1	piece
1SFN084206R1001	BEA140/XT4 Connection Set	BEA140/XT4	1	piece
1SFN084206R1002	BEA140/XT3 Connection Set	BEA140/XT3	1	piece
1SFN084211R1000	BER140-4 Connection Set	BER140-4	1	piece
1SFN084214R1000	BEP140-30 Connection Set	BEP140-30	1	piece
1SFN084413R1000	BEY140-4 Connection Set	BEY140-4	1	piece
1SFN094200R1000	PR146-1 Adapter Plate	PR146-1	1	piece
1SFN124203R1000	LT140-30L Terminal Shroud	LT140-30L	1	piece
1SFN074208R2000	LD146-40 Connection Module	LD146-40	1	piece
1SFN074211R2000	LL146-40 connection sockets kit	LL146-40	1	piece
1SFN084214R2000	BEP140-40 Connection Set	BEP140-40	1	piece
1SFN124203R2000	LT140-40L Terminal Shroud	LT140-40L	1	piece

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## Categories

 $Low\ Voltage\ Products\ \rightarrow\ Control\ Products\ \rightarrow\ Contactors\ \rightarrow\ AF\ Contactors\ \rightarrow\ AF\ Contactors\ \rightarrow\ AF\ 140$ 

