# AF1250-30-11-69





AF1250-30-11 48-130V 50/60Hz / 48-130V DC Contactor

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#### **General Information**

Extended Product Type	AF1250-30-11-69
Product ID	1SFL647001R6911
EAN	7320500355077
Catalog Description	AF1250-30-11 48-130V 50/60Hz / 48-130V DC Contactor
Long Description	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 48-130 v, AC/DC

#### Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

#### Popular Downloads

Data Sheet, Technical Information	1SBC100122C0202
Instructions and Manuals	1SFC380023-en

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#### Dimensions

Product Net Width	210.0 mm
Product Net Depth / Length	242.0 mm
Product Net Height	344.0 mm
Product Net Weight	15.000 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 1000 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 q = 40 °C 1050 A
Rated Operational Current AC-1 (I <sub>e</sub> )	(690 V) 55 °C 1040 A
	(690 V) 40 °C 1260 A

(1000 V) 40 °C 1260 A

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Rated Breaking Capacity AC-3 acc. to IEC 60947-4-1   30 x is AC-3		(1000 V) 55 °C 1040 A (690 V) 70 °C 875 A (1000 V) 70 °C 875 A
Rated Short-lime Withstand Current (I <sub>cor</sub> )  at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 8000 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 or 8700 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 or 8700 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 or 8700 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 or 8700 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 or 8700 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 or 8700 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 or 8700 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 or 8700 A or 8700 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 or 8700 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 or 8700 A or 8700 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 or 8700 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 or 8700 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 or 8700 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 or 8700 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 or 8700 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 or 8700 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 or 8700 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 or 8700 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 or 8700 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 or 8700 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 or 8700 A at 40 °C 1250 A (200 V) 3 Poles in Series, 40 °C 1250 A (200 V) 4 °C 1250 A (200 V) 3 Poles in Series, 40 °C 1250 A (200 V) 3 Poles in Series, 40 °C 1250 A (200 V) 3 Poles in Series, 40 °C 1250 A (200 V) 3 Poles in Series, 40 °C 1250 A (200 V) 3 Poles in Series, 40 °C 1250 A (200 V) 3 Poles in Series, 40 °C 1250 A (200 V) 3 Poles in Series, 40 °C 1250 A (200 V) 3 Poles in Series, 40 °C 1250 A (200 V) 3 Poles in Series, 40 °C 1250 A (200 V) 3 Poles in Series, 40 °C 1250 A (200 V) 3 Poles in Series, 40 °C 1250 A (200 V) 3 Pole	Rated Breaking Capacity AC-3 acc. to IEC 60947-4-1	8 x le AC-3
All 40 °C Ambient Temp, In Free Air, from a Cold State 10 8 7200 A at 40 °C Ambient Temp, In Free Air, from a Cold State 10 8 7200 A at 40 °C Ambient Temp, In Free Air, from a Cold State 1 min 4000 A at 40 °C Ambient Temp, In Free Air, from a Cold State 1 min 4000 A at 40 °C Ambient Temp, In Free Air, from a Cold State 1 min 4000 A at 40 °C Ambient Temp, In Free Air, from a Cold State 1 min 4000 A cos phile 40 °C Cambient Temp, In Free Air, from a Cold State 1 min 4000 A cos phile 40 °C Cambient Temp, In Free Air, from a Cold State 1 min 4000 A cos phile 40 °C Cambient Temp, In Free Air, from a Cold State 1 min 4000 A cos phile 40 °C Cambient Temp, In Free Air, from a Cold State 1 min 4000 A cos phile 40 °C Cambient Temp, In Free Air, from a Cold State 1 min 4000 A cos phile 40 °C Cambient Temp, In Free Air, from a Cold State 1 min 4000 A cos phile 40 °C Cambient Temp, In Free Air, from a Cold State 1 min 4000 A cos phile 40 °C Cambient Temp, In Free Air, from a Cold State 1 min 4000 A cos phile 40 °C Cambient Temp, In Free Air, from a Cold State 1 min 4000 A cos phile 40 °C Cambient Temp, In Free Air, from a Cold State 1 min 4000 A cos phile 40 °C Cambient Temp, In Free Air, from a Cold State 1 min 4000 A cos phile 40 °C Cambient Temp, In Free Air, from a Cold State 1 min 4000 A cos phile 40 °C Cambient Temp, In Free Air, from a Cold State 1 min 4000 A cos phile 40 °C Cambient Temp, In Free Air, from a Cold State 1 min 4000 A cos phile 40 °C Cambient Temp, In Free Air, from a Cold State 1 min 4000 A cos phile 40 °C Cambient Temp, In Free Air, from a Cold State 1 min 4000 A cos phile 40 °C Cambient Temp, In Free Air, from a Cold State 1 min 4000 A cos phile 40 °C Cambient Temp, In Free Air, from a Cold State 1 min 4000 A cos phile 40 °C Cambient Temp, In Free Air, from a Cold State 1 min 4000 A cos phile 40 °C Cambient Temp, In Free Air, from a Cold State 1 min 4000 A cos phile 40 °C Cambient Temp, In Free Air, from a Cold State 1 min 4000 A cos phile 40 °C Cambient Temp, In Free Air, from a Cold State 1 min	Rated Making Capacity AC-3 acc. to IEC 60947-4-1	10 x le AC-3
cos phi=0.45 (cos phi=0.35 for le > 100 A) at 690 V 7000 A	Rated Short-time Withstand Current (I <sub>cw</sub> )	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 7200 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 5200 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 4000 A
Rated Operational Current DC-1 (I <sub>R</sub> )  (850 V) 3 Poles in Series, 40 °C 1250 A (600 V) 3 Poles in Series, 40 °C 1250 A (70 °C 1250 A)  Rated Operational Current DC-3 (I <sub>R</sub> )  (850 V) 3 Poles in Series, 40 °C 1250 A (70 °C 1250 A)  (850 V) 3 Poles in Series, 40 °C 1250 A (70 °C 1250 A)  (850 V) 3 Poles in Series, 40 °C 1250 A (70 °C 1250 A)  (850 V) 3 Poles in Series, 40 °C 1250 A (70 °C 1250 A)  (850 V) 3 Poles in Series, 40 °C 1250 A (70 °C 1250 A)  (850 V) 3 Poles in Series, 40 °C 1250 A (70 °C 1250 A)  (850 V) 3 Poles in Series, 40 °C 1250 A (70 °C 1250 A)  (850 V) 3 Poles in Series, 40 °C 1250 A (70 °C 1250 A)  (850 V) 3 Poles in Series, 40 °C 1250 A (70 °C 1250 A)  (850 V) 3 Poles in Series, 40 °C 1250 A (70 °C 1250 A)  (850 V) 3 Poles in Series, 40 °C 1250 A (70 °C 1250 A)  (850 V) 3 Poles in Series, 40 °C 1250 A (70 °C 1250 A)  (850 V) 3 Poles in Series, 40 °C 1250 A (70 °C 1000 V)  Rated Insulation Voltage (U <sub>III</sub> )  Main Circuit 8 kV  Mechanical Durability  0.5 million  Maximum Mechanical Switching Frequency  300 cycles per hour  Coil Operating Limits  (860 V) 3 Poles in Series, 40 °C 1250 A  (860 V) 4 °C 1250 A  (860	Maximum Breaking Capacity	
(600 V) 3 Poles in Series, 40 °C 1250 A (220 V) 3 Poles in Series, 40 °C 1250 A (850 V) 3 Poles in Series, 40 °C 1250 A (800 V) 3 Poles in Series, 40 °C 1250 A (800 V) 3 Poles in Series, 40 °C 1250 A (800 V) 3 Poles in Series, 40 °C 1250 A (800 V) 3 Poles in Series, 40 °C 1250 A (800 V) 3 Poles in Series, 40 °C 1250 A (800 V) 3 Poles in Series, 40 °C 1250 A (800 V) 3 Poles in Series, 40 °C 1250 A (800 V) 3 Poles in Series, 40 °C 1250 A (800 V) 3 Poles in Series, 40 °C 1250 A (800 V) 3 Poles in Series, 40 °C 1250 A (800 V) 3 Poles in Series, 40 °C 1250 A (800 V) 3 Poles in Series, 40 °C 1250 A (800 V) (800 V) 400 Volume Vol	Maximum Electrical Switching Frequency	AC-1 300 cycles per hour
(800 V) 3 Poles in Series, 40 °C 1250 A (220 V) 3 Poles in Series, 40 °C 1250 A (800 V) 4 Poll 10 (Creative Moles in Series, 40 °C 1250 A (800 V) 4 Poll 10 (Creative Moles in Series, 10 V) 4 (800 V) 4 Poll 10 (Creative Moles in Series, 10 V) 4 (800 V) 4 Poll 10 (Creative Moles in Series in Series (10 V) 4 (800 V) 4 Poll 10 (Creative Moles in Series in Series (10 V) 4 (800 V) 4 Poll 10 (Creative Moles i	Rated Operational Current DC-1 (I <sub>e</sub> )	(600 V) 3 Poles in Series, 40 °C 1250 A
(600 V) 3 Poles in Series, 40 °C 1250 A  Rated Insulation Voltage (U <sub>i</sub> )  acc. to UL/CSA 600 V acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V  Rated Impulse Withstand Voltage (U <sub>imp</sub> )  Main Circuit 8 kV  Mechanical Durability  0.5 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 <sub>o</sub> )  60 Hz 48 130 V 50 Hz 48 130 V DC Operation 40 130 DC Operation 40	Rated Operational Current DC-3 (I <sub>e</sub> )	(600 V) 3 Poles in Series, 40 °C 1250 A
acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V  Rated Impulse Withstand Voltage (U <sub>imp</sub> )  Main Circuit 8 kV  Mechanical Durability  0.5 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 <sub>c</sub> )  60 Hz 48 130 V  DC Operation 48 130 V  Pull-in at Max. Rated Control Circuit Voltage 60 Hz 1100 V-A Holding at Max. Rated Control Circuit Voltage 60 Hz 1100 V-A Holding at Max. Rated Control Circuit Voltage BC 122 V-A Pull-in at Max. Rated Control Circuit Voltage BC 122 V-A Pull-in at Max. Rated Control Circuit Voltage BC 122 V-A Holding at Max. Rated Control Circuit Voltage BC	Rated Operational Current DC-5 (I <sub>e</sub> )	(600 V) 3 Poles in Series, 40 °C 1250 A
Mechanical Durability  0.5 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 8 ≤ 70 °C) °C  Rated Control Circuit Voltage (U <sub>c</sub> )  60 Hz 48 130 V  DC Operation 48 130 V  Pull-in at Max. Rated Control Circuit Voltage 60 Hz 1100 V·A Holding at Max. Rated Control Circuit Voltage DC 5 V·A Holding at Max. Rated Control Circuit Voltage DC 12 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 12 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 12 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 12 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 12 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 12 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 12 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 12 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 12 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 12 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 12 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 12 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 100 V·A Holding at Max. Rated Control Circuit Voltage 50 Hz 100 V·A Holding at Max. Rated Control Circuit Voltage 50 Hz 100 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 100 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 100 V·A Holding at Max. Rated Control Circuit Voltage 50 Hz 100 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 100 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 100 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 100 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 100 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 100 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 100 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 100 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 100 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 100 V·A Pull-in at Max. Rated Control Circuit Volta	Rated Insulation Voltage $(U_i)$	
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 <sub>c</sub> )       60 Hz 48 130 V 50 Hz 48 130 V DC Operation 14 Max. Rated Control Circuit Voltage 60 Hz 1100 V·A Holding at Max. Rated Control Circuit Voltage 50 Hz 12 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 12 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 12 V·A Depart of the folion of	Rated Impulse Withstand Voltage ( $\mathbf{U}_{\mathrm{imp}}$ )	Main Circuit 8 kV
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 <sub>c</sub> )  60 Hz 48 130 V  50 Hz 48 130 V  DC Operation 48 130 V  Pull-in at Max. Rated Control Circuit Voltage 60 Hz 1100 V-A Holding at Max. Rated Control Circuit Voltage 50 Hz 12 V-A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 12 V-A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 12 V-A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 12 V-A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 12 V-A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 1100 V-A Holding at Max. Rated Control Circuit Voltage 60 Hz 12 V-A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 1100 V-A Holding at Max. Rated Control Circuit Voltage 60 Hz 12 V-A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 1100 V-A Holding at Max. Rated Con	Mechanical Durability	0.5 million
Rated Control Circuit Voltage (U <sub>C</sub> )  60 Hz 48 130 V  50 Hz 48 130 V  DC Operation 48 130 V  DC Operation 48 130 V  Coil Consumption  Pull-in at Max. Rated Control Circuit Voltage 60 Hz 1100 V·A Holding at Max. Rated Control Circuit Voltage DC 5 V·A Holding at Max. Rated Control Circuit Voltage 50 Hz 12 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 12 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 12 V·A Holding at Max. Rated Control Circuit Voltage 50 Hz 12 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 12 V·A  Operate Time  Between Coil De-energization and NC Contact Closing 50 70 ms Between Coil Energization and NC Contact Opening 53 73 ms Between Coil Energization and NC Contact Opening 45 115 ms Between Coil Energization and NC Contact Closing 50 120 ms  Connecting Capacity Main Circuit  Bar 50 mm  Connecting Capacity Auxiliary Circuit  Solid 2 x 1 4 mm² Flexible with Insulated Ferrule 2 x 0.75 2.5 mm² Stranded 1 x 1 4 mm² Flexible xxv.75 2.5 mm² Flexible with Ferrule 2 x 0.75 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  Connecting terminals (delivered in open position) Main M 3.5 (+,-) pozidriv 2 screw with cable clamp	Maximum Mechanical Switching Frequency	300 cycles per hour
50 Hz 48 130 V DC Operation 48 130 V Coil Consumption  Pull-in at Max. Rated Control Circuit Voltage 60 Hz 1100 V·A Holding at Max. Rated Control Circuit Voltage DC 5 V·A Holding at Max. Rated Control Circuit Voltage DC 1020 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 12 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 12 V·A Holding at Max. Rated Control Circuit Voltage 50 Hz 120 V·A Holding at Max. Rated Control Circuit Voltage 50 Hz 120 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 12 V·A  Operate Time  Between Coil De-energization and NC Contact Closing 50 70 ms Between Coil De-energization and NC Contact Opening 53 73 ms Between Coil Energization and NC Contact Opening 45 115 ms Between Coil Energization and NC Contact Closing 50 120 ms  Connecting Capacity Main Circuit  Bar 50 mm  Connecting Capacity Auxiliary Circuit  Solid 2 x 1 4 mm² Flexible with Insulated Ferrule 2 x 0.75 2.5 mm² Stranded 1 x 1 4 mm² Flexible vith Insulated Ferrule 2 x 0.75 2.5 mm² Stranded 1 x 1 4 mm² Flexible with Ferrule 2 x 0.75 2.5 mm² Connecting Capacity Main 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 IP00  Connecting terminals (delivered in open position) Main poles	Coil Operating Limits	(acc. to IEC 60947-4-1) 0.85 x Uc Min 1.1 x Uc Max. (at $\theta \le 70$ °C) °C
Holding at Max. Rated Control Circuit Voltage DC 5 V-A Holding at Max. Rated Control Circuit Voltage 50 Hz 12 V-A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 12 V-A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 1100 V-A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 1100 V-A Holding at Max. Rated Control Circuit Voltage 60 Hz 12 V-A  Operate Time  Between Coil De-energization and NC Contact Closing 50 70 ms Between Coil De-energization and NC Contact Opening 53 73 ms Between Coil Energization and NC Contact Opening 45 115 ms Between Coil Energization and NC Contact Opening 45 115 ms Between Coil Energization and NC Contact Closing 50 120 ms  Connecting Capacity Main Circuit  Bar 50 mm  Connecting Capacity Auxiliary Circuit  Solid 2 x 1 4 mm² Flexible with Insulated Ferrule 2 x 0.75 2.5 mm² Stranded 1 x 1 4 mm² Flexible with Ferrule 2 x 0.75 2.5 mm² Flexible with Ferrule 2 x 0.75 2.5 mm² Connecting Capacity Auxiliary Circuit  acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP00  Connecting terminals (delivered in open position) Main M 3.5 (+,-) pozidriv 2 screw with cable clamp	Rated Control Circuit Voltage (U <sub>c</sub> )	50 Hz 48 130 V
Between Coil De-energization and NO Contact Opening 53 73 ms Between Coil Energization and NC Contact Opening 45 115 ms Between Coil Energization and NO Contact Closing 50 120 ms  Connecting Capacity Main Circuit  Bar 50 mm  Connecting Capacity Auxiliary Circuit  Solid 2 x 1 4 mm² Flexible with Insulated Ferrule 2 x 0.75 2.5 mm² Stranded 1 x 1 4 mm² Flexible 2x0.75 2.5 mm² Flexible with Ferrule 2 x 0.75 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  Connecting terminals (delivered in open position) Main M 3.5 (+,-) pozidriv 2 screw with cable clamp	Coil Consumption	Holding at Max. Rated Control Circuit Voltage DC 5 V·A Holding at Max. Rated Control Circuit Voltage 50 Hz 12 V·A Pull-in at Max. Rated Control Circuit Voltage DC 1020 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 1100 V·A
Connecting Capacity Auxiliary Circuit  Solid 2 x 1 4 mm² Flexible with Insulated Ferrule 2 x 0.75 2.5 mm² Stranded 1 x 1 4 mm² Flexible 2x0.75 2.5 mm² Flexible 2x0.75 2.5 mm² Flexible with Ferrule 2 x 0.75 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  Connecting terminals (delivered in open position) Main M 3.5 (+,-) pozidriv 2 screw with cable clamp	Operate Time	Between Coil De-energization and NO Contact Opening 53 73 ms Between Coil Energization and NC Contact Opening 45 115 ms
Flexible with Insulated Ferrule 2 x 0.75 2.5 mm² Stranded 1 x 1 4 mm² Flexible 2x0.75 2.5 mm² Flexible 2x0.75 2.5 mm² Flexible with Ferrule 2 x 0.75 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  Connecting terminals (delivered in open position) Main M 3.5 (+,-) pozidriv 2 screw with cable clamp poles	Connecting Capacity Main Circuit	Bar 50 mm
acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP00  Connecting terminals (delivered in open position) Main M 3.5 (+,-) pozidriv 2 screw with cable clamp poles	Connecting Capacity Auxiliary Circuit	Flexible with Insulated Ferrule 2 x 0.75 2.5 mm² Stranded 1 x 1 4 mm² Flexible 2x0.75 2.5 mm²
poles	Degree of Protection	
Terminal Type Main Circuit: Bars		M 3.5 (+,-) pozidriv 2 screw with cable clamp
	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
Resistance to Shock acc. to IEC 60068-2-27	Shock Direction: A 5 a

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Shock Direction: C2 5 g Shock Direction: C1 5 g Shock Direction: B2 5 g Shock Direction: B1 5 g

RoHS Status Following EU Directive 2002/95/EC August 18, 2005 and amendment

#### Technical UL/CSA

Maximum Operating Voltage UL/CSA	Main Circuit 600 V
General Use Rating UL/CSA	(600 V AC) 1210 A

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# Certificates and Declarations (Document Number)

ABS Certificate	15-LD1408622-PDA
BV Certificate	BV_13409-C0BV
CB Certificate	SE-82865
CCC Certificate	CQC_2006010304213519
CCS Certificate	GB14T00030
cUL Certificate	UL_20130930-E73397
Declaration of Conformity - CE	1SFA1-88
DNV GL Certificate	TAE00001W1
EAC Certificate	EAC_RUC-SE.ME77.B.01005
Environmental Information	1SFC101037D0201
Instructions and Manuals	1SFC380023-en
LR Certificate	16-20064
PRS Certificate	TE_2092_880423_16
RINA Certificate	ELE060313XG_002
RMRS Certificate	9AKK107045A6978
RoHS Information	1SFC101055D0202
UL Listing Card	UL_E73397

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#### **Container Information**

Package Level 1 Units	1 piece
Package Level 1 Width	290 mm
Package Level 1 Depth / Length	270 mm
Package Level 1 Height	350 mm
Package Level 1 Gross Weight	15 kg
Package Level 1 EAN	7320500355077

### 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
UNSPSC	39121529

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# Categories

Low Voltage Products and Systems → Control Products → Contactors → Block Contactors

