

PRODUCT-DETAILS

AFS116-30-12-14 AFS116-30-12-14



| Extended Product Type | AFS116-30-12-14 |
|-----------------------|---|
| Product ID | 1SFL427081R141: |
| EAN | 732050054070 |
| Catalog Description | AFS116-30-12-14 |
| Long Description | The AFS116-30-12-14 is a 3 pole - 1000 V IEC or 600 V UL contactor with pre-mounted 1 left (1 N.O + 1 N.C.) and fixed 1 right (1 N.C.) side mounted auxiliary contact blocks with double clamp connections, controlling motors up to 55 kW / 400 V AC (AC-3) or 75 hp / 480 V UL and switching power circuits up to 160 A (AC-1) or 160 A UL general use. AFS contactors can be easily integrated in machine manufacturer's systems complying with mair standards EN ISO 13849 and EN 62061 - guaranteeing the safe use of your machinery and equipment. An easily identifiable yellow low energy auxiliary contact block ensures the status feedback circuits required in machine safety applications. Thanks to the AF technology, the contactor has a wide control voltage range (250-500 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 extender with add-on auxiliary contact blocks and an additional wide range of accessories |

| Ordering | |
|------------------------|----------|
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85364900 |

| Data Sheet, Technical Information 1SBC100208C00_ Information Instructions and Manuals 1SFC10003M0201 Dimensions | | |
|---|---|---|
| Information 1SFC10003M0201 Instructions and Manuals 1SFC10003M0201 Dimensions 90 mm Product Net Width 90 mm Product Net Weight 135 mm Product Net Height 155 mm Product Net Height 155 kg Technical 3 Number of Main Contacts 3 Number of Main Contacts 0 Number of Auxiliary 1 Contacts NO 1 Number of Auxiliary 1 Contacts NO 1 Number of Auxiliary 2 Contacts NO 1 Stated Operational Voltage Main Circuit 60 V 160 FL Rated Operational Voltage Main Circuit 60 V 160 FL Conventoral Free air acc. to IEC 60947.4.1, Open Contactors (9 40 V 160 V 160 FL Conventoral Free air (680 V 160 FL Rated Operational Current (680 V 160 FL AG4 Operational Current (680 V 160 FL AG4 Operational Current (690 V 160 FC (380 / 400 V 160 FC (380 / 400 V 160 FC (380 / 400 V 170 F | Popular Downloads | |
| Dimensions Product Net Width 90 mm Product Net Depth / 126 mm Length 150 mm Product Net Weight 150 mm Product Net Weight 155 kg Technical 0 Number of Main Contacts 3 No 1 Contacts NO 1 Number of Auxiliary 2 Contacts NO 1 Relet Operational Voltage Main Circuit 600 V Relet Operational Voltage Main Circuit 600 V Relet Operational Voltage Main Circuit 600 V/ 40 °C 160 A AC-3 (l_g) (690 V/) 40 °C 164 A AC-3 (l_g) (690 V/) 40 °C 160 A AC-3 (l_g) (690 V/) 70 °C 130 A AC-3 (l_g) <t< td=""><td>Data Sheet, Technical Information</td><td>1SBC100208C02</td></t<> | Data Sheet, Technical Information | 1SBC100208C02 |
| Product Net Width 90 mm Product Net Depth / 126 mm Length 150 mm Product Net Weight 155 kg Technical 155 kg Technical 3 Number of Main Contacts 3 Number of Main Contacts 0 Number of Auxiliary 1 Contacts NO 1 Number of Auxiliary 2 Contacts NO 1 Number of Auxiliary 2 Contacts NO 1 Reled Operational Voltage Main Circuit 50 / 60 Hz Conventional Free-air acc. to IEC 60947-4-1, Open Contactors q = 40 °C 160 A Conventional Free-air (690 V) 40 °C 160 A AC-1 (l_j) (690 V) 40 °C 160 A Conventional Current (690 V) 50 °C 116 A AC-2 (l_g) (690 V) 70 °C 130 A Conventional Current | Instructions and Manuals | 1SFC100003M0201 |
| Product Net Width 90 mm Product Net Depth / 126 mm Length 150 mm Product Net Weight 155 kg Technical 155 kg Technical 3 Number of Main Contacts 3 Number of Main Contacts 0 Number of Auxiliary 1 Contacts NO 1 Number of Auxiliary 2 Contacts NO 1 Number of Auxiliary 2 Contacts NO 1 Reled Operational Voltage Main Circuit 50 / 60 Hz Conventional Free-air acc. to IEC 60947-4-1, Open Contactors q = 40 °C 160 A Conventional Free-air (690 V) 40 °C 160 A AC-1 (l_j) (690 V) 40 °C 160 A Conventional Current (690 V) 50 °C 116 A AC-2 (l_g) (690 V) 70 °C 130 A Conventional Current | | |
| Product Net Depth / Length 126 mm Product Net Height 150 mm Product Net Weight 1.55 kg Technical Number of Main Contacts Number of Main Contacts 0 NC 0 Number of Main Contacts 0 NC 1 Number of Auxiliary 1 Contacts NO 1 Number of Auxiliary 2 Contacts NO 2 Contacts NO Main Circuit 500 / 0 Number of Auxiliary 2 Contacts NO Main Circuit 500 / 0 Rated Operational Votage Main Circuit 500 / 0 Rated Coperational Votage (690 V) 40 °C 160 A Contacts NO (690 V) 50 °C 145 A Rated Operational Current (690 V) 60 °C 150 A AC-1 (l _µ) (690 V) 60 °C 165 A Rated Operational Current (690 V) 60 °C 116 A AC-3 (l _µ) (500 V) 60 °C 116 A Conventional Free-Air (500 V) 60 °C 116 A AC-3 (l _µ) (500 V) 75 °C 116 A Contact No (600 V) 75 KW <td>Dimensions</td> <td></td> | Dimensions | |
| Length Product Net Height Product Net Height 150 mm Product Net Weight 155 kg Technical Number of Main Contacts NO Number of Main Contacts NO Number of Auxiliary Contacts NO Number of Auxiliary Contacts NO Rated Operational Voltage Main Circuit 50 / 60 Hz Conventional Free-air Rated Operational Current (690 V) 40 °C 116A AC-3 (Lg) (690 V) 70 °C 130 Rated Operational Current (415 V) 60 °C 116A AC-3 (Lg) (690 V) 70 °C 130 Rated Operational Current (415 V) 55 kW (690 V) 90 °C 116A AC-3 (Lg) (690 V) 90 °C (6 | Product Net Width | 90 mm |
| Product Net Weight 1.55 kg Product Net Weight 1.55 kg Technical Number of Main Contacts 3 NO NC Number of Main Contacts 1 Number of Auxiliary 1 Contacts NO NC Rated Operational Votage Main Circuit 50 / 50 Hz Conventional Frequency (f) Rated Operational Votage Main Circuit 50 / 50 Hz Conventional Frequency (f) Rated Operational Current (#150 / 50 Hz Conventional Frequency (f) Rated Operational Current (#150 / 50 Hz Conventional Frequency (f) Rated Operational Current (#150 / 50 Hz Conventional Frequency (f) Rated Operational Current (#150 / 50 Hz Conventional Frequency (f) Rated Operational Current (#150 / 50 Hz Conventional Frequency (f) Rated Operational Current (#150 / 50 Hz Conventional Frequency (f) Rated Operational Current (#150 / 50 Hz Conventional Frequency (f) Rated Operational Current (#150 / 50 Hz Conventional Frequency (f) Rated Operational Current (#150 / 50 Hz Conventional Frequency (f) Rated Operational Current (#150 / 50 Hz Conventional Frequency (f) Rated Operational Current (#150 / 50 Hz Conventional Frequency (f) Rated Operational Current (#150 / 50 Hz Conventional Frequency (f) Rated Operational Current (#150 / 50 Hz Conventional Frequency (#150 / 55 HX (C20 / 20 / 24 V) 93 HX Rated Making Capacity Conventional Current Current (#150 / 55 HX Conventional Current Current (#150 / 55 HX Conventional Frequency (#150 / 55 HX Conventional Freq Ar, fron a Cold State 10 s 928 A #10 Transfer Art | Product Net Depth / Length | 126 mm |
| Technical Number of Main Contacts 3 No 0 Number of Main Contacts 0 Number of Auxillary 0 Contacts NO 1 Rated Operational Voltage Main Circuit 600 V Rated Frequency (f) Main Circuit 600 V Conventional Free-air acc. to IEC 60947-4-1, Open Contactors q = 40 °C 160 A Thermal Current (Im) (690 V) 40 °C 160 A Rated Operational Current A (690 V) 40 °C 160 A AC-1 (Ig) (690 V) 40 °C 116 A Rated Operational Current A (630 V) 40 °C 116 A AC-3 (Ig) (440 V) 60 °C 116 A (G30 V / 00 °C 116 A (G30 V / 00 °C 116 A (G30 V / 00 °C 116 A (G30 V / 00 °C 116 A (G30 V / 00 °C 116 A (G30 V / 00 °C 116 A (G30 V / 00 °C 116 A (G30 V / 00 °C 116 A (G30 V / 00 °C 116 A (G30 V / 00 °C 116 A (G30 V / 00 °C 116 A (G30 V / 00 °C 116 A (G30 V / 00 °C 116 A (G30 V / 00 °C 116 A (G30 V / 00 °C 116 A (G30 V / 00 °C 116 A (G30 V / 00 °C 116 A (G30 V / 00 °C 116 A | Product Net Height | 150 mm |
| Number of Main Contacts 0 0 Number of Main Contacts 0 0 Number of Main Contacts 0 0 Nc Number of Auxiliary 1 Contacts NO Number of Auxiliary 2 Contacts NC Rated Operational Voltage Main Circuit 630 V Rated Frequency (f) Main Circuit 50 / 60 Hz Conventional Free-air acc. to IEC 60947-4-1, Open Contactors q = 40 °C 160 A Thermal Current ($_{\rm th}$) (690 V) 40 °C 160 AC-1 ($_{\rm th}$) (690 V) 40 °C 160 AC-3 ($_{\rm th}$) (690 V) 50 °C 145 AC-3 ($_{\rm th}$) (690 V) 50 °C 145 AC-3 ($_{\rm th}$) (690 V) 50 °C 145 AC-3 ($_{\rm th}$) (690 V) 55 kW (220 / 230 / 240 V) 30 kW (220 / 230 / 240 V) | Product Net Weight | 1.55 kg |
| NO Number of Main Contacts Number of Auxiliary Contacts NO Rated Operational Voltage Rated Operational Voltage Rated Operational Current (h_n) Rated Operational Power AC-3 (h_g) Rated Operational Power Rated Northine (h_n) Rated Short-tine Rated Making Capacity AC-3 acc. to IEC 60947-4- 1 Short-Circuit Protective gG Type Fuses 250 A Rated Short-tine At 40 °C Ambient Temp, in Free Air, form a Cold State 10 s 928 A at 40 °C Ambient Temp, in Free Air, form a Cold State 10 s 928 A at 40 °C Ambient Temp, in Free Air, form a Cold State 10 s 928 A at 40 °C Ambient Temp, in Free Air, form a Cold State 1 s 1160 A | Technical | |
| NC Number of Auxiliary Contacts NO Number of Auxiliary Contacts NC Rated Operational Voltage Rated Operational Voltage Main Circuit 50 / 60 Hz Conventional Free-air Thermal Current (I _m) Rated Operational Current AC-1 (I _e) Rated Operational Current AC-3 (I _e) Rated Operational Current Rated Operational Current AC-3 (I _e) Rated Operational Power AC-3 (I _e) Rated Operational Power AC-3 (I _e) Rated Devaler Rated Breaking Capacity AC-3 acc. to IEC 60947-4- 1 Short-Circuit Protective Devices Rated Short-time Withstand Current Low Voltage (I _{ew}) Rated Vortent Low Voltage (I _{ew}) Rated National Current Low Voltage (I _{ew}) Rated National Current Low Voltage (I _{ew}) Rated National Current Low Voltage (I _{ew}) Rated Short-time Rated Short-ti | Number of Main Contacts NO | 3 |
| Contacts NO Number of Auxiliary Contacts NC Rated Operational Voltage Rated Frequency (f) Conventional Free-air Conventional Free-air Conventional Free-air Conventional Free-air Conventional Current ((h_n)) Rated Operational Current AC-1 (l_o) Rated Operational Current AC-3 (l_o) Rated Operational Power AC-3 (l_o) Rated Operational Power AC-3 (l_o) Rated Sperational Power AC-3 (l_o) Rated AD (l_o) Rated Sperational Power AC-3 (l_o) Rated AD (l_o) Rated | Number of Main Contacts NC | 0 |
| Contacts NC Main Circuit 690 V Rated Operational Voltage Main Circuit 50 / 60 Hz Conventional Free-air acc. to IEC 60947-4-1, Open Contactors q = 40 °C 160 A Thermal Current (I _{th}) (690 V) 40 °C 160 A Rated Operational Current (690 V) 40 °C 160 A AC-1 (I _g) (690 V) 40 °C 160 A Rated Operational Current (690 V) 40 °C 160 A AC-3 (I _g) (690 V) 70 °C 130 A Rated Operational Current (415 V) 60 °C 116 A AC-3 (I _g) (500 V) 80 °C 116 A AC-3 (I _g) (500 V) 80 °C 116 A Rated Operational Power (415 V) 56 °C 116 A AC-3 (P _g) (500 V) 75 W (500 V) 55 W (500 V) 75 W (500 V) 75 W (500 V) 75 W (200 / 230 / 240 | Number of Auxiliary Contacts NO | 1 |
| Rated Frequency (f) Main Circuit 50 / 60 Hz Conventional Free-air Thermal Current (I _{th}) Rated Operational Current (690 V) 40 °C 160 AC-1 (I _e) (690 V) 60 °C 145 (690 V) 60 °C 145 (690 V) 70 °C 130 Rated Operational Current (415 V) 60 °C 116 AC-3 (I _e) (690 V) 60 °C 116 (500 V) 56 °C (380 / 400 V) 60 °C 116 (380 / 400 V) 56 °C (380 / 400 V) 55 KW (380 / 400 V) 56 KW (380 / 400 V) 55 KW (380 / 400 V) 56 KW (380 / 400 | Number of Auxiliary Contacts NC | 2 |
| 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 (690 V) 70 °C 145 A Rated Operational Current AC-3 (I _e) (415 V) 60 °C 116 A Rated Operational Current AC-3 (I _e) (415 V) 60 °C 116 A Rated Operational Current AC-3 (I _e) (414 V) 60 °C 116 A Rated Operational Power (380 / 400 V) 60 °C 116 A (500 V) 60 °C 116 A Rated Operational Power AC-3 (P _e) (415 V) 55 KW Rated Operational Power AC-3 (P _e) (415 V) 55 KW Rated Preaking Capacity AC-3 acc. to IEC 60947-4-1 8 x le AC-3 1 10 x le AC-3 Stort-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 sig 928 A at 40 °C Ambient Temp, in Free Air, from a Cold State 11 min 370 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 370 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 370 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 370 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 370 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 370 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 370 A | Rated Operational Voltage | Main Circuit 690 V |
| Thermal Current (I _{th}) Rated Operational Current (690 V) 40 °C 160 AC-1 (I _e) (690 V) 60 °C 145 A (690 V) 60 °C 145 A (690 V) 60 °C 145 A (690 V) 60 °C 130 Rated Operational Current AC-3 (I _e) (690 V) 60 °C 16 (690 V) 60 °C 110 A (690 V) 50 °C 10 A (690 V) 55 kW (380 / 400 V) 56 kW (380 / 400 V) 55 kW (380 / 400 V) 55 kW (380 / 400 V) 56 kW (380 / 400 V) 55 kW (380 | Rated Frequency (f) | Main Circuit 50 / 60 Hz |
| AC-1 (I _e) (690 V) 60 °C 145 A (890 V) 70 °C 130 Rated Operational Current AC-3 (I _e) (690 V) 60 °C 164 AC-3 (I _e) (600 V) 60 °C 116 A (690 V) 60 °C 116 A (690 V) 60 °C 65 A (380 / 400 V) 60 °C 116 A (690 V) 50 °C 116 A (690 V) 50 °C 116 A (690 V) 50 °C 116 A (380 / 400 V) 50 °C 116 A (380 / 400 V) 55 kW (580 V) 75 kW (690 V) 55 kW (| Conventional Free-air Thermal Current (I _{th}) | acc. to IEC 60947-4-1, Open Contactors q = 40 °C 160 A |
| AC-3 (Ie) (440 V) 60 °C 116 A (500 V) 60 °C 116 A (690 V) 60 °C 116 A (690 V) 60 °C 116 A (690 V) 60 °C 116 A (380 / 400 V) 60 °C 116 A (690 V) 60 °C 116 A (690 V) 60 °C 116 A (380 / 400 V) 60 °C 116 A (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 1 s in 160 A Voltage (I _{cw}) | Rated Operational Current AC-1 (I _e) | (690 V) 40 °C 160 (690 V) 60 °C 145 A (690 V) 70 °C 130 |
| AC-3 (P _e) (440 V) 75 kW (500 V) 75 kW (690 V) 55 kW (380 / 400 V) 55 kW (380 / 400 V) 55 kW (220 / 230 / 240 V) 30 kW Rated Breaking Capacity AC-3 acc. to IEC 60947-4- 1 Rated Making Capacity AC-3 acc. to IEC 60947-4- 1 Short-Circuit Protective gG Type Fuses 250 A Devices Rated Short-time Rated Short-time Rated Short-time tat 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 928 A Withstand Current Low Voltage (I _{cw}) at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s min 160 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s min 379 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 1160 A | Rated Operational Current AC-3 (I _e) | (415 V) 60 °C 116 A (440 V) 60 °C 116 A (500 V) 60 °C 110 A (690 V) 60 °C 65 A (380 / 400 V) 60 °C 116 A |
| Rated Breaking Capacity 8 x le AC-3 AC-3 acc. to IEC 60947-4- 1 Rated Making Capacity 10 x le AC-3 AC-3 acc. to IEC 60947-4- 1 1 10 x le AC-3 AC-3 acc. to IEC 60947-4- 1 1 10 x le AC-3 Short-Circuit Protective gG Type Fuses 250 A Devices 2 Rated Short-time at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 928 A Withstand Current Low at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 160 A Voltage (I _{cw}) 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 1160 A | Rated Operational Power AC-3 (P _e) | (415 V) 55 kW (440 V) 75 kW (500 V) 75 kW (690 V) 55 kW (380 / 400 V) 55 kW (220 / 230 / 240 V) 30 kW |
| AC-3 acc. to IEC 60947-4- 1 Short-Circuit Protective gG Type Fuses 250 A Devices Rated Short-time at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 928 A Withstand Current Low Voltage (I _{cw}) 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 1160 A | Rated Breaking Capacity AC-3 acc. to IEC 60947-4- 1 | 8 x le AC-3 |
| Devices at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 928 A Withstand Current Low at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 160 A Voltage (I _{cw}) 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 min 379 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 1160 A | Rated Making Capacity AC-3 acc. to IEC 60947-4- 1 | 10 x le AC-3 |
| Withstand Current Lowat 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 160 AVoltage (I _{cw})at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 379 Aat 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 1160 A | 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 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 1160 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 536 A |

 Maximum Breaking
 cos phi=0.45 (cos phi=0.35 for le > 100 A) at 440 V 2000 A

 Capacity
 cos phi=0.45 (cos phi=0.35 for le > 100 A) at 690 V 1000 A

| | (AC 1) 200 surles as hour |
|---|--|
| Maximum Electrical Switching Frequency | (AC-1) 300 cycles per hour (AC-2 / AC-4) 150 cycles per hour |
| | (AC-3) 300 cycles per hour |
| Rated Operational Current | (110 V) 2 Poles in Series, 40 °C 145 A |
| DC-1 (I _e) | (220 V) 3 Poles in Series, 40 °C 145 A |
| Rated Operational Current | (110 V) 2 Poles in Series, 40 °C 145 A |
| DC-3 (I _e) | (220 V) 3 Poles in Series, 40 °C 145 A |
| Rated Operational Current | (110 V) 2 Poles in Series, 40 °C 145 A |
| DC-5 (I _e) | (220 V) 3 Poles in Series, 40 °C 145 A |
| Rated Insulation Voltage | acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 690 V |
| (U _i) | acc. to UL/CSA 600 V |
| Rated Impulse Withstand | Main Circuit 8 kV |
| Voltage (U _{imp}) | |
| Mechanical Durability | 5 million |
| Maximum Mechanical | 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 $\theta \le 70$ °C) |
| Rated Control Circuit | 50 Hz 250 500 V |
| Voltage (U _c) | 60 Hz 250 500 V DC Operation 250 500 V |
| | • |
| Coil Consumption | Average Pull-in Value 50 Hz 260 V·A Average Pull-in Value 60 Hz 260 V·A |
| | Holding at Max. Rated Control Circuit Voltage 50 Hz 16.1 VA |
| | Holding at Max. Rated Control Circuit Voltage 60 Hz 16.1 V·A |
| | Holding at Max. Rated Control Circuit Voltage DC 2.5 W Pull-in at Max. Rated Control Circuit Voltage 50 Hz 205 V·A |
| | Pull-in at Max. Rated Control Circuit Voltage 50 Hz 205 V·A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 205 V·A |
| | Pull-in at Max. Rated Control Circuit Voltage DC 230 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 mm ² |
| Circuit | Rigid Cu-Cable 1 x 10 95 mm ² |
| Connecting Capacity | Flexible with Ferrule 2x 0.75 2.5 mm ² |
| Auxiliary Circuit | 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 | Double Clamp |
| | |

| Technical UL/CSA | |
|-------------------------------------|-----------------------------------|
| Maximum Operating Voltage UL/CSA | Main Circuit 600 V |
| General Use Rating UL/CSA | (600 V AC) 160 A |
| Horsepower Rating | (200 208 V AC) Three Phase 30 hp |
| UL/CSA | (220 240 V AC) Three Phase 40 hp |
| | (440 480 V AC) Three Phase 75 hp |
| | (550 600 V AC) Three Phase 100 hp |

| 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

RoHS Status

Without Derating 3000 m

Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

| Certificates and Declarations (Document Number) | |
|---|---------------------|
| CB Certificate | SEMKO_SE-70479M1 |
| CQC Certificate | CQC2013010304604055 |
| cUL Certificate | 20120925-E36588 |
| Declaration of Conformity - CCC | 2020980304001304 |
| Declaration of Conformity - CE | 2CMT2018-005695 |
| EAC Certificate | 1SFC101360D1101 |
| Instructions and Manuals | 1SFC100003M0201 |
| RoHS Information | 2CMT2018-005695 |
| SUVA Certificate | 2CMT2019-005856 |

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 | 7320500540701 |

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 |
| eClass | V11.0 : 27371003 |
| UNSPSC | 39121529 |
| IDEA Granular Category Code (IGCC) | 4755 >> Contactors |
| E-Number (Finland) | 3708093 |

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

