



## contactor AF265-30-11-13

URL:<https://www.sxplc.com/contactor-af265-30-11-13>

### Product data sheet

Dimensions

Product Net Width:

140 mm

Product Net Depth / Length:

180 mm

Product Net Height:

225 mm

Product Net Weight:

3.9 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  $\Theta = 40\text{ °C}$  400 A

Rated Operational Current AC-1 (I<sub>e</sub>):

(1000 V) 40 °C 350 A

(1000 V) 55 °C 300 A

(1000 V) 60 °C 300 A

(1000 V) 70 °C 240 A

(690 V) 40 °C 400 A

(690 V) 55 °C 350 A

(690 V) 70 °C 290 A

Rated Operational Current AC-3 (I<sub>e</sub>):

(415 V) 55 °C 265 A

(440 V) 55 °C 265 A

(500 V) 55 °C 250 A

(690 V) 55 °C 250 A

(1000 V) 55 °C 113 A

(380 / 400 V) 55 °C 265 A

(220 / 230 / 240 V) 55 °C 265 A

Rated Operational Power AC-3 (Pe):

(415 V) 132 kW

(440 V) 160 kW

(500 V) 160 kW

(690 V) 200 kW

(1000 V) 160 kW

(380 / 400 V) 132 kW

(220 / 230 / 240 V) 75 kW

Rated Breaking Capacity AC-3:

8 x I<sub>e</sub> AC-3

Rated Making Capacity AC-3:

10 x I<sub>e</sub> AC-3

Short-Circuit Protective Devices:

gG Type Fuses 500 A

Rated Short-time Withstand Current Low Voltage (I<sub>lcw</sub>):

at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 2120 A

at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 400 A

at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 865 A

at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 2650 A

at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 1224 A

Maximum Breaking Capacity:

cos phi=0.45 (cos phi=0.35 for I<sub>e</sub> > 100 A) at 440 V 3800 A

cos phi=0.45 (cos phi=0.35 for I<sub>e</sub> > 100 A) at 690 V 3300 A

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 DC-1 (I<sub>e</sub>):

(110 V) 2 Poles in Series, 40 °C 350 A

(220 V) 3 Poles in Series, 40 °C 350 A

Rated Operational Current DC-3 (Ie):

(110 V) 2 Poles in Series, 40 °C 350 A

(220 V) 3 Poles in Series, 40 °C 350 A

Rated Operational Current DC-5 (Ie):

(110 V) 2 Poles in Series, 40 °C 350 A

(220 V) 3 Poles in Series, 40 °C 350 A

Rated Insulation Voltage (Ui):

acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V

acc. to UL/CSA 600 V

Rated Impulse Withstand Voltage (Uimp):

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)  $0.85 \times U_c \text{ Min.} \dots 1.1 \times U_c \text{ Max.}$  (at  $\theta \leq 70 \text{ }^\circ\text{C}$ )

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 17.5 V·A

Holding at Max. Rated Control Circuit Voltage 60 Hz 17.5 V·A

Holding at Max. Rated Control Circuit Voltage DC 4.5 W

Pull-in at Max. Rated Control Circuit Voltage 50 Hz 385 V·A

Pull-in at Max. Rated Control Circuit Voltage 60 Hz 385 V·A

Pull-in at Max. Rated Control Circuit Voltage DC 410 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 Circuit:

Flexible 2 x 70 ... 185 mm<sup>2</sup>

Rigid Al-Cable 1 x 185 ... 240 mm<sup>2</sup>

Rigid Cu-Cable 2 x 70 ... 185 mm<sup>2</sup>

Connecting Capacity Auxiliary Circuit:

Flexible with Ferrule 2x 0.75 ... 2.5 mm<sup>2</sup>

Flexible with Insulated Ferrule 2x 0.75 ... 2.5 mm<sup>2</sup>

Flexible 2x0.75 ... 2.5 mm<sup>2</sup>

Solid 2 x 1 ... 4 mm<sup>2</sup>

Stranded 1 x 1 .... 4 mm<sup>2</sup>

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

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