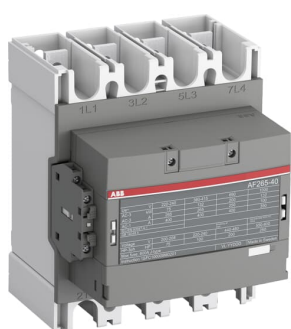


PRODUCT-DETAILS

AF265-40-11-11

AF265-40-11-11 Contactor



General Information

Extended Product Type	AF265-40-11-11
Product ID	1SFL547102R1111
EAN	7320500505502
Catalog Description	AF265-40-11-11 Contactor

Long Description

The AF265-40-11-11 is a 4 pole - 1000 V IEC or 600 V UL contactor with pre-mounted auxiliary contacts and Main Circuit Bars, controlling motors up to 132 kW / 400 V AC (AC-3) / and switching power circuits up to 400 A (AC-1) or 300 A UL general use. Thanks to the AF technology, the contactor has a wide control voltage range (24-60 V 50/60 Hz and 20-60 V 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 accessories.

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads

Data Sheet, Technical Information	1SBC100192C0206
Instructions and Manuals	1SFC101066M0201
Dimension Diagram	1SFB535001G1123

Dimensions

Product Net Width	184.4 mm
Product Net Depth / Length	180 mm
Product Net Height	225 mm
Product Net Weight	5.7 kg

Technical

Number of Main Contacts NO	4
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 60 Hz
Conventional Free-air Thermal Current (I_{th})	acc. to IEC 60947-4-1, Open Contactors $q = 40^\circ\text{C}$ 400 A
Rated Operational Current AC-1 (I_e)	(1000 V) 40°C 350 A (1000 V) 60°C 300 A (1000 V) 70°C 240 A (690 V) 40°C 400 A (690 V) 60°C 350 A (690 V) 70°C 290 A
Rated Operational Current AC-3 (I_e)	(415 V) 55°C 265 A (440 V) 55°C 265 A (500 V) 55°C 250 A (690 V) 55°C 250 A (380 / 400 V) 55°C 265 A (220 / 230 / 240 V) 55°C 265 A
Rated Operational Power AC-3 (P_e)	(415 V) 132 kW (440 V) 160 kW (380 / 400 V) 132 kW (220 / 230 / 240 V) 75 kW
Rated Breaking Capacity AC-3	8 x I_e AC-3
Rated Making Capacity AC-3	10 x I_e AC-3
Short-Circuit Protective Devices	gG Type Fuses 630 A
Rated Short-time Withstand Current Low Voltage (I_{cw})	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 $I_e > 100\text{ A}$) at 440 V 3800 A
Maximum Electrical Switching Frequency	(AC-1) 300 cycles per hour
Rated Insulation Voltage (U_i)	acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V acc. to UL/CSA 600 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) $0.85 \times U_c$ Min. ... $1.1 \times U_c$ Max. (at $\theta \leq 70^\circ\text{C}$)
Rated Control Circuit Voltage (U_c)	50 Hz 24 ... 60 V 60 Hz 24 ... 60 V DC Operation 20 ... 60 V

Coil Consumption	Holding at Max. Rated Control Circuit Voltage 50 Hz 8.5 V-A Holding at Max. Rated Control Circuit Voltage 60 Hz 8.5 V-A Holding at Max. Rated Control Circuit Voltage DC 3 W Pull-in at Max. Rated Control Circuit Voltage 50 Hz 475 V-A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 475 V-A Pull-in at Max. Rated Control Circuit Voltage DC 400 W
Operate Time	Between Coil De-energization and NO Contact Opening 45 ... 80 ms Between Coil Energization and NO Contact Closing 30 ... 60 ms
Connecting Capacity Main Circuit	Flexible 2 x 70 ... 185 mm ² Rigid Al-Cable 1 x 185 ... 240 mm ² Rigid Cu-Cable 2 x 70 ... 185 mm ²
Connecting Capacity Auxiliary Circuit	Flexible with Ferrule 2x 0.75 ... 2.5 mm ² Flexible with Insulated Ferrule 1x 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	Main Circuit: Bars

Technical UL/CSA

NEMA Size	5
Maximum Operating Voltage UL/CSA	Main Circuit 1000 V
General Use Rating UL/CSA	(600 V AC) 300 A

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	Without Derating 3000 m
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

Certificates and Declarations (Document Number)

ABS Certificate	14-LD1092198-PDA
BV Certificate	BV_36353_A0BV
CB Certificate	SE-89316
CQC Certificate	CQC2014010304676670
cUL Certificate	20140910-E73397
Declaration of Conformity - CCC	2020980304001305
Declaration of Conformity - CE	2CMT2015-005439
Declaration of Conformity - UKCA	2CMT2020-006118
DNV GL Certificate	DNV_E-14043
EAC Certificate	9AKK107046A8618
Instructions and Manuals	1SFC101066M0201
KC Certificate	9AKK107046A9908
LR Certificate	LR_14_70011(E1)
PRS Certificate	TE_2092_880423_16
RINA Certificate	ELE060313XG_002
RMRS Certificate	9AKK107045A6978
RoHS Information	2CMT2015-005439

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	212 mm
Package Level 1 Depth / Length	262 mm
Package Level 1 Height	212 mm
Package Level 1 Gross Weight	6.4 kg
Package Level 1 EAN	7320500505502

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)	4755 >> Contactors
E-Number (Finland)	3707220
E-Number (Norway)	4117786
E-Number (Sweden)	3210338

Categories

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

