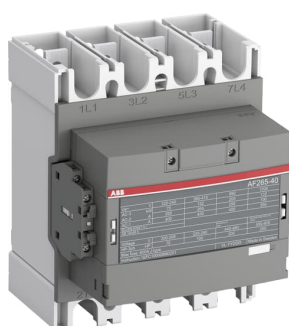


PRODUCT-DETAILS

AF265-40-22-12

AF265-40-22-12 Contactor



General Information

Extended Product Type	AF265-40-22-12
Product ID	1SFL547102R1222
EAN	7320500505144
Catalog Description	AF265-40-22-12 Contactor

Long Description

The AF265-40-22-12 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 (48-130 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 accessories.

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads

Data Sheet, Technical Information	1SBC100192C0206
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Instructions and Manuals

1SFC101066M0201

Dimension Diagram

1SFB535001G1123

Dimensions

Product Net Width	184 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	2
Number of Auxiliary Contacts NC	2
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 °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
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 $I_e > 100$ 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 x U _c Min. ... 1.1 x U _c Max. (at $\theta \leq 70^\circ\text{C}$)
Rated Control Circuit Voltage (U _c)	50 Hz 48 ... 130 V 60 Hz 48 ... 130 V DC Operation 48 ... 130 V
Coil Consumption	Holding at Max. Rated Control Circuit Voltage 50 Hz 17 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 17 V·A Holding at Max. Rated Control Circuit Voltage DC 2.5 W Pull-in at Max. Rated Control Circuit Voltage 50 Hz 180 V·A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 180 V·A Pull-in at Max. Rated Control Circuit Voltage DC 150 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 2x 0.75 ... 2.5 mm ² Flexible 2x0.75 ... 2.5 mm ² Solid 2 x 1 ... 4 mm ² Stranded 1 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

Environmental

Ambient Air Temperature	Close to Contactor Fitted with Thermal O/L Relay (0.85 ... 1.1 U _c) -25 ... 50 °C Close to Contactor without Thermal O/L Relay (0.85 ... 1.1 U _c) -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	2020980304001305

- CCC

Declaration of Conformity - CE	2CMT2015-005439
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Declaration of Conformity - UKCA	2CMT2020-006118
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DNV GL Certificate	DNV_E-14043
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EAC Certificate	9AKK107046A8618
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Instructions and Manuals	1SFC101066M0201
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KC Certificate	9AKK107046A9908
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LR Certificate	LR_14_70011(E1)
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PRS Certificate	TE_2092_880423_16
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RINA Certificate	ELE060313XG_002
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RMRS Certificate	9AKK107045A6978
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RoHS Information	2CMT2015-005439
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Container Information

Package Level 1 Units	box 1 piece
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Package Level 1 Width	212 mm
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Package Level 1 Depth / Length	262 mm
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Package Level 1 Height	212 mm
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Package Level 1 Gross Weight	6.4 kg
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Package Level 1 EAN	7320500505144
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Classifications

Object Classification Code	Q
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ETIM 4	EC000066 - Magnet contactor, AC-switching
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ETIM 5	EC000066 - Magnet contactor, AC-switching
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ETIM 6	EC000066 - Power contactor, AC switching
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ETIM 7	EC000066 - Power contactor, AC switching
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ETIM 8	EC000066 - Power contactor, AC switching
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eClass	V11.0 : 27371003
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UNSPSC	39121529
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IDEA Granular Category Code (IGCC)	4755 >> Contactors
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E-Number (Finland)	3707224
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Categories

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

