

PRODUCT-DETAILS

AF205B-40-22-12

AF205B-40-22-12 Contactor



General Information

Extended Product Type	AF205B-40-22-12
Product ID	1SFL527263R1222
EAN	7320500511176
Catalog Description	AF205B-40-22-12 Contactor
Long Description	The AF205B-40-22-12 is a 4 pole - 1000 V IEC or 600 V UL contactor with pre-mounted auxiliary contacts and standard ferrules, controlling motors up to 110 kW / 400 V AC (AC-3) / and switching power circuits up to 350 A (AC-1) or 250 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	1SBC100192C0204
Instructions and Manuals	N/A

Dimensions

Product Net Width	140 mm
Product Net Depth / Length	152.5 mm
Product Net Height	196 mm
Product Net Weight	3.3 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 Current AC-1 (I_e)	(1000 V) 40 °C 275 A (1000 V) 60 °C 250 A (1000 V) 70 °C 200 A (690 V) 40 °C 350 A (690 V) 60 °C 300 A (690 V) 70 °C 240 A
Rated Operational Current AC-3 (I_e)	(415 V) 55 °C 205 A (440 V) 55 °C 205 A (380 / 400 V) 55 °C 205 A (220 / 230 / 240 V) 55 °C 205 A
Rated Short-time Withstand Current (I_{cw})	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 1640 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 350 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 670 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 2050 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 947 A
Mechanical Durability	5 million
Maximum Mechanical Switching Frequency	300 cycles per hour
Rated Control Circuit Voltage (U_c)	50 Hz / 60 Hz 48 ... 130 V DC Operation 48 ... 130 V
Coil Consumption	Holding at Max. Rated Control Circuit Voltage 50 Hz 4 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 4 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 175 V·A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 175 V·A Pull-in at Max. Rated Control Circuit Voltage DC 130 W
Terminal Type	Main Circuit: Bars

Environmental

RoHS Status	Following EU Directive 2011/65/EU
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Certificates and Declarations (Document Number)

CB Certificate	SE-82315
CCC Certificate	CQC_2014010304676685
CQC Certificate	CQC2014010304676685
cUL Certificate	20150602-E73397_1
Declaration of Conformity - CCC	2020980304001306
Declaration of Conformity - CE	2CMT2015-005440
EAC Certificate	9AKK107046A8618
Instructions and	N/A

Manuals

RoHS Information2CMT2015-005440

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	166 mm
Package Level 1 Depth / Length	238 mm
Package Level 1 Height	180 mm
Package Level 1 Gross Weight	3.9 kg
Package Level 1 EAN	7320500511176

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

Categories

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

