

PRODUCT-DETAILS

A210-30-22-36

A210-30-22 190V 50Hz / 220V 60Hz Contactor



Informações gerais

Tipo de produto alargado	A210-30-22-36
ID do produto	1SFL511001R3622
EAN	7320500212646
Descrição do catálogo	A210-30-22 190V 50Hz / 220V 60Hz Contactor
Descrição longa	A 3-phase Contactor suitable for various applications such as Motor starting, Isolation, By-pass and Distribution application up to max 690 V. Operated with control voltage, versions from 24...690 AC, 50 and 60 Hz

Ordering

Quantidade Mínima de Encomenda	1 piece
Número de tarifa aduaneira	85364900
ID de Substituição do Produto (NOVA)	1SFL527002R1322

Popular Downloads

Ficha de dados, informação técnica	1SBC100192C0206
Instruções e Manuais	1SFC380003-89
Diagrama de medidas	53540930-2

Dimensions

Largura Líquida do Produto	140 mm
Profundidade/Comprimento Líquidos do Produto	180.5 mm
Altura Líquida do Produto	227 mm
Peso Líquido do Produto	5.4 kg

Technical

Number of Main Contacts NO	3
Number of Main Contacts NC	0
Number of Auxiliary Contacts NO	2
Number of Auxiliary Contacts NC	2
Tensão operacional nominal	Main Circuit 690 V
Frequência nominal (f)	Main Circuit 50 / 60 Hz
Conventional Free-air Thermal Current (I_{th})	acc. to IEC 60947-4-1, Open Contactors q = 40 °C 350 A
Rated Operational Current AC-1 (I_e)	(690 V) 40 °C 350 A (690 V) 55 °C 300 A (690 V) 70 °C 240 A
Rated Operational Current AC-3 (I_e)	(415 V) 55 °C 210 A (440 V) 55 °C 210 A (500 V) 55 °C 210 A (690 V) 55 °C 210 A (380 / 400 V) 55 °C 210 A (220 / 230 / 240 V) 55 °C 210 A
Rated Operational Power AC-3 (P_e)	(415 V) 110 kW (440 V) 110 kW (500 V) 132 kW (690 V) 160 kW (380 / 400 V) 110 kW (220 / 230 / 240 V) 59 kW
Rated Breaking Capacity AC-3	8 x Ie AC-3
Rated Making Capacity AC-3	10 x Ie AC-3
Dispositivos com proteção de curto-circuito	gG Type Fuses 400 A
Rated Short-time Withstand Current Low Voltage (I_{cw})	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 1700 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 1000 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 2500 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 1200 A
Maximum Breaking Capacity	cos phi=0.45 (cos phi=0.35 for Ie > 100 A) at 440 V 2200 A cos phi=0.45 (cos phi=0.35 for Ie > 100 A) at 690 V 2000 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_e)	(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 (I_e)	(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 (I_e)	(110 V) 2 Poles in Series, 40 °C 350 A (220 V) 3 Poles in Series, 40 °C 350 A
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	3600 cycles per hour
Coil Operating Limits	(acc. to IEC 60947-4-1) 0.85 x Uc Min. ... 1.1 x Uc Max. (at $\theta \leq 70^\circ\text{C}$)
Rated Control Circuit Voltage (U_c)	50 Hz 190 V 60 Hz 220 V
Coil Consumption	Holding at Max. Rated Control Circuit Voltage 50 Hz 60 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 65 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 1350 V·A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 1550 V·A
Operate Time	Between Coil De-energization and NC Contact Closing 7 ... 13 ms Between Coil De-energization and NO Contact Opening 10 ... 16 ms Between Coil Energization and NC Contact Opening 12 ... 30 ms Between Coil Energization and NO Contact Closing 17 ... 35 ms
Connecting Capacity Main Circuit	Bar 32 mm ² Rigid Al-Cable 2 x 95 ... 120 mm ² Rigid Cu-Cable 16 ... 240 mm ²
Connecting Capacity Auxiliary Circuit	Flexible with Ferrule 1x 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 1 x 1 ... 4 mm ² Stranded 2 x 1 ... 4 mm ²
Grau de proteção	acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP00
Connecting Terminals (delivered in open position) Main Poles	Flat type c/w screws and bolts
Tipo de terminal	Main Circuit: Bars

Technical UL/CSA

Maximum Operating Voltage UL/CSA	Main Circuit 600 V
General Use Rating UL/CSA	(600 V AC) 300 A
Classificação de potência UL/CSA	(200 V AC) Three Phase 60 hp (208 V AC) Three Phase 60 hp (220 ... 240 V AC) Three Phase 75 hp (440 ... 480 V AC) Three Phase 150 hp (550 ... 600 V AC) Three Phase 200 hp

Environmental

Temperatura do ar ambiente	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
Altitude de operação máxima permissível	Without Derating 3000 m
Resistência ao Choque de acordo com IEC 60068-2-27	Shock Direction: A 5 g Shock Direction: B1 5 g Shock Direction: B2 5 g Shock Direction: C1 5 g Shock Direction: C2 5 g
Estado RoHS	Following EU Directive 2011/65/EU

Certificates and Declarations (Document Number)

Certificado BV	09826/C0 BV
CQC Certificate	CQC2008010304279325
Declaration of Conformity - CCC	2020980304001552
Declaração de conformidade -CE	2CMT2015-005436
Declaration of Conformity	2CMT2020-006118

- UKCA

Certificado DNV	DNV_E-12191
Informação ambiental	1SFC101003D0201
Certificado GL	GL_15529-00HH
Instruções e Manuais	1SFC380003-89
LOVAG Certificate	IT99036
Certificado LR	LR_12-70003
Certificado RINA	ELE060313XG/001
Certificado RMRS	RMRS_12-03683-315
Informação RoHS	2CMT2015-005436

Container Information

Unidades de embalagem Nível 1	box 1 piece
Largura da embalagem Nível 1	203 mm
Profundidade/Comprimento da embalagem Nível 1	245 mm
Altura da embalagem Nível 1	188 mm
Peso bruto da embalagem Nível 1	6.1 kg
Nível de Embalagem 1 EAN	7320500212646

Classifications

Código de classificação do objeto	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
Código de Categoria Granular IDEA (IGCC)	4755 >> Contactors

Categorias

Produtos e Sistemas de Baixa Tensão → Produtos para controle → Contatores → Contatores

