



PRODUCT-DETAILS

AF26-40-00-12

AF26-40-00-12 48-130V50/60HZ-DC Contactor



Informações gerais

Tipo de produto alargado	AF26-40-00-12
ID do produto	1SBL237201R1200
EAN	3471523115224
Descrição do catálogo	AF26-40-00-12 48-130V50/60HZ-DC Contactor

Descrição longa	The AF26-40-00-12 is a 4 pole - 690 V IEC or 600 UL contactor with screw terminals, controlling motors up to 11 kW / 400 V AC (AC-3) and switching power circuits up to 45 A (AC-1) or 45 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.
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Ordering

Quantidade Mínima de Encomenda	1 piece
Número de tarifa aduaneira	85364900

Popular Downloads

Instruções e Manuais	1SBC101027M6801
CAD Dimensional Drawing	2CDC001079B0201

Dimensions

Largura Líquida do Produto	45 mm
Profundidade/Compriment o Líquidos do Produto	101 mm
Altura Líquida do Produto	86 mm
Peso Líquido do Produto	0.36 kg

Technical

Number of Main Contacts NO	4
Number of Main Contacts NC	0
Number of Auxiliary Contacts NO	0
Number of Auxiliary Contacts NC	0
Normas	IEC/EN 60947-1, IEC/EN 60947-4-1, UL 60947-1, UL 60947-4-1, CAN/CSA C22.2 No.60947-1, CAN/CSA C22.2 No.60947-4-1
Tensão operacional nominal	Main Circuit 690 V
Frequência nominal (f)	Control Circuit 50 / 60 Hz Main Circuit 50 / 60 Hz
Conventional Free-air Thermal Current (I_{th})	acc. to IEC 60947-4-1, Open Contactors $\Theta = 40\text{ }^{\circ}\text{C}$ 55 A
Rated Operational Current AC-1 (I_e)	(690 V) 40 $^{\circ}\text{C}$ 45 A (690 V) 60 $^{\circ}\text{C}$ 40 A (690 V) 70 $^{\circ}\text{C}$ 32 A
Rated Operational Current AC-3 (I_e)	(415 V) 60 $^{\circ}\text{C}$ 21.2 A (440 V) 60 $^{\circ}\text{C}$ 20 A (500 V) 60 $^{\circ}\text{C}$ 17.6 A (690 V) 60 $^{\circ}\text{C}$ 10.5 A (380 / 400 V) 60 $^{\circ}\text{C}$ 22 A (220 / 230 / 240 V) 60 $^{\circ}\text{C}$ 23.2 A
Rated Operational Power AC-3 (P_e)	(400 V) 11 kW (415 V) 11 kW (440 V) 11 kW (500 V) 11 kW (690 V) 9 kW (220 / 230 / 240 V) 5.5 kW
Rated Short-time Withstand Current Low Voltage (I_{cw})	at 40 $^{\circ}\text{C}$ Ambient Temp, in Free Air, from a Cold State 10 s 300 A at 40 $^{\circ}\text{C}$ Ambient Temp, in Free Air, from a Cold State 15 min 55 A at 40 $^{\circ}\text{C}$ Ambient Temp, in Free Air, from a Cold State 1 min 150 A at 40 $^{\circ}\text{C}$ Ambient Temp, in Free Air, from a Cold State 1 s 450 A at 40 $^{\circ}\text{C}$ Ambient Temp, in Free Air, from a Cold State 30 s 225 A
Maximum Electrical Switching Frequency	(AC-1) 600 cycles per hour
Rated Operational Current DC-1 (I_e)	(110 V) 2 Poles in Series, 40 $^{\circ}\text{C}$ 45 A (110 V) 2 Poles in Series, 60 $^{\circ}\text{C}$ 40 A (110 V) 2 Poles in Series, 70 $^{\circ}\text{C}$ 32 A (110 V) 3 Poles in Series, 40 $^{\circ}\text{C}$ 45 A (110 V) 3 Poles in Series, 60 $^{\circ}\text{C}$ 40 A (110 V) 3 Poles in Series, 70 $^{\circ}\text{C}$ 32 A (110 V) 4 Poles in Series, 40 $^{\circ}\text{C}$ 45 A (110 V) 4 Poles in Series, 60 $^{\circ}\text{C}$ 40 A (110 V) 4 Poles in Series, 70 $^{\circ}\text{C}$ 32 A (220 V) 3 Poles in Series, 40 $^{\circ}\text{C}$ 45 A (220 V) 3 Poles in Series, 60 $^{\circ}\text{C}$ 40 A (220 V) 3 Poles in Series, 70 $^{\circ}\text{C}$ 32 A (220 V) 4 Poles in Series, 40 $^{\circ}\text{C}$ 45 A (220 V) 4 Poles in Series, 60 $^{\circ}\text{C}$ 40 A

	(220 V) 4 Poles in Series, 70 °C 32 A (72 V) 1-Pole, 40 °C 45 A (72 V) 1-Pole, 60 °C 40 A (72 V) 1-Pole, 70 °C 32 A (72 V) 2 Poles in Series, 40 °C 45 A (72 V) 2 Poles in Series, 60 °C 40 A (72 V) 2 Poles in Series, 70 °C 32 A (72 V) 3 Poles in Series, 40 °C 45 A (72 V) 3 Poles in Series, 60 °C 40 A (72 V) 3 Poles in Series, 70 °C 32 A (72 V) 4 Poles in Series, 40 °C 45 A (72 V) 4 Poles in Series, 60 °C 40 A (72 V) 4 Poles in Series, 70 °C 32 A
Rated Insulation Voltage (U _i)	acc. to IEC 60947-4-1 690 V acc. to UL/CSA 600 V
Rated Impulse Withstand Voltage (U _{imp})	6 kV
Maximum Mechanical Switching Frequency	3600 cycles per hour
Rated Control Circuit Voltage (U _c)	50 Hz 48 ... 130 V 60 Hz 48 ... 130 V DC Operation 48 ... 130 V
Operate Time	Between Coil De-energization and NC Contact Closing 13 ... 98 ms Between Coil De-energization and NO Contact Opening 11 ... 95 ms Between Coil Energization and NC Contact Opening 38 ... 90 ms Between Coil Energization and NO Contact Closing 40 ... 95 ms
Montagem na calha DIN	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715
Mounting by Screws (not supplied)	2 x M4 screws placed diagonally
Connecting Capacity Main Circuit	Flexible with Ferrule 1/2x 1.5 ... 16 mm² Flexible with Insulated Ferrule 1/2x 1.5 ... 16 mm² Rigid Solid 1/2x 1.5 ... 4 mm² Rigid Stranded 1/2x 1.5 ... 16 mm²
Connecting Capacity Control Circuit	Flexible with Ferrule 1/2x 0.75 ... 2.5 mm² Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm² Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm² Rigid Solid 1/2x 1 ... 2.5 mm² Rigid Stranded 1/2x 1 ... 2.5 mm²
Wire Stripping Length	Control Circuit 10 mm Main Circuit 12 mm
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 IP20
Tipo de terminal	Screw Terminals

Technical UL/CSA

Maximum Operating Voltage UL/CSA	Main Circuit 600 V
General Use Rating UL/CSA	(600 V AC) 45 A
Connecting Capacity Main Circuit UL/CSA	Rigid Solid 1/2x 16-10 AWG Rigid Stranded 1/2x 16-6 AWG
Connecting Capacity Control Circuit UL/CSA	Rigid Solid 1/2x 18-14 AWG Rigid Stranded 1/2x 18-14 AWG
Tightening Torque UL/CSA	Control Circuit 11 in-lb Main Circuit 22 in-lb

Environmental

Temperatura do ar ambiente	Close to Contactor for Storage -60 ... +80 °C Near Contactor for Operation in Free Air -40 ... 70 °C
Climatic Withstand	Category B according to IEC 60947-1 Annex Q
Altitude de operação máxima permissível	Without Derating 3000 m
Resistência ao Choque de acordo com IEC 60068-2-27	Closed, Shock Direction: B1 25 g Open, Shock Direction: B1 5 g Shock Direction: A 30 g

Shock Direction: B2 15 g
Shock Direction: C1 25 g
Shock Direction: C2 25 g

Resistance to Vibrations4g Closed Position & 2g Open position 5 ... 300 Hz

Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	2CMT2021-006202
Informação RoHS	2CMT2021-006277
Estado RoHS	Following EU Directive 2011/65/EU
Toxic Substances Control Act - TSCA	2CMT2023-006525
REEE B2C / B2B	Business To Business
Categoria REEE	5. Small Equipment (No External Dimension More Than 50 cm)

Certificates and Declarations

Certificado ABS	ABS_20-2060694-PDA
Certificado BV	BV_2634H24898C0
CB Certificate	CB_SE-96553M1
CCC Certificate	CCC_2010010304445623
CQC Certificate	CQC2010010304445623 CQC2020010304294316
Declaration of Conformity - CCC	2020980304001254 2020980304001052
Declaração de conformidade -CE	1SBD250001U1000
Declaration of Conformity - UKCA	1SBD250032U1000
Certificado DNV	DNV_TAE00001AF-4
EAC Certificate	EAC_RU_FRME77B03447
Certificado GOST	GOST_POCCFR.ME77.B07175.pdf
KC Certificate	KC_HW02016-15002C
Certificado LR	LRS_LR23403517TA-02
Certificado RINA	RINA_ELE240318XG
Certificado RMRS	RMRS_1802705280
Certificado UL	UL-US-L319322-13-72119002-5 UL-CA-L319322-43-72119002-6
UL Listing Card	UL_E319322

Container Information

Unidades de embalagem Nível 1	box 1 piece
Largura da embalagem Nível 1	87 mm
Profundidade/Comprimento da embalagem Nível 1	103 mm
Altura da embalagem Nível 1	47 mm
Peso bruto da embalagem Nível 1	0.36 kg
Nível de Embalagem 1 EAN	3471523115224
Unidades de embalagem Nível 2	box 18 piece
Largura da embalagem Nível 2	250 mm
Profundidade/Comprimento	300 mm

o da embalagem Nível 2	
Altura da embalagem Nível 2	315 mm
Peso bruto da embalagem Nível 2	12.96 kg
Package Level 3 Units	864 piece

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)	4758 >> Iec Contactors
E-Number (Finland)	3705829
E-Number (Sweden)	3211510

Categorias

Produtos e Sistemas de Baixa Tensão → Produtos para controle → Contatores → Contatores → AF Contactors → AF26

