

PRODUCT-DETAILS

AL26-22-00 48V DC

AL26-22-00 48V DC Contactor



General Information

Extended Product Type	AL26-22-00 48V DC
Product ID	1SBL243501R8300
EAN	3471522284839
Catalog Description	AL26-22-00 48V DC Contactor

Long Description

AL26 4-pole contactors are mainly used for controlling non-inductive or slightly inductive loads (i.e. resistance furnaces...) and generally for controlling power circuits up to 690 V AC and 440 V DC. The contactors can also be used for many other applications such lighting... The AL... series 4-pole contactors are of the block type design. - Main poles and auxiliary contact blocks: 2 N.O. + 2 N.C. main poles, front and side-mounted add-on auxiliary contact blocks - Control circuit: DC operated with solid core magnet circuit. The polarity on the coil terminals (A1+ and A2-) must be respected - Accessories: a wide range of accessories is available. AL... contactors are fitted with low consumption DC coils and are suitable for a direct control by PLC outputs.

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads

Data Sheet, Technical Information	1SBC100122C0202_Ch02
Instructions and Manuals	1SBC101007M5501
Dimension Diagram	FPTE307866

Dimensions

Product Net Width	54 mm
Product Net Depth / Length	110.6 mm
Product Net Height	90 mm
Product Net Weight	0.75 kg

Technical

Number of Main Contacts NO	2
Number of Main Contacts NC	2
Number of Auxiliary Contacts NO	0
Number of Auxiliary Contacts NC	0
Rated Operational Voltage	Main Circuit 690 V
Conventional Free-air Thermal Current (I_{th})	acc. to IEC 60947-4-1, Open Contactors $q = 40^\circ\text{C}$ 45 A
Rated Operational Current AC-1 (I_e)	(690 V) 40°C 45 (690 V) 55°C 40 (690 V) 70°C 32
Short-Circuit Protective Devices	gG Type Fuses 50 A
Maximum Breaking Capacity	$\cos \phi = 0.45$ ($\cos \phi = 0.35$ for $I_e > 100$ A) at 440 V 420 A $\cos \phi = 0.45$ ($\cos \phi = 0.35$ for $I_e > 100$ A) at 690 V 106 A
Maximum Electrical Switching Frequency	(AC-1) 600 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})	8 kV
Mechanical Durability	10 million
Maximum Mechanical Switching Frequency	3600 cycles per hour
Rated Control Circuit Voltage (U_c)	DC Operation 48 V
Coil Consumption	Average Holding Value, from Warm State 3.5 W Average Pull-in Value, from Cold State 3.5 W
Operate Time	Between Coil De-energization and NC Contact Closing 18 ... 28 ms Between Coil De-energization and NO Contact Opening 12 ... 18 ms Between Coil Energization and NC Contact Opening 25 ... 75 ms Between Coil Energization and NO Contact Closing 55 ... 110 ms
Connecting Capacity Main Circuit	Flexible with Cable End 0.75 ... 4 mm ² Rigid Cable 1.5 ... 6 mm ²
Connecting Capacity Auxiliary Circuit	Flexible with Cable End 0.75 ... 2.5 mm ² Rigid Cable 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 IP20
Connecting Terminals (delivered in open position) Main Poles	M 4 (+,-) pozidriv 2 screw with cable clamp
Terminal Type	Screw Terminals

Technical UL/CSA

General Use Rating	(600 V AC) 40 A
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UL/CSA

Environmental

Ambient Air Temperature	Close to Contactor for Storage -60 ... +80 °C Near Contactor for Operation in Free Air (0.85 ... 1.1 Uc) -40 ... 55 °C Near Contactor for Operation in Free Air (Uc) -40 ... 70 °C
Climatic Withstand	acc. to IEC 60068-2-30 and 60068-2-11 - UTE C 63-100 specification II
Maximum Operating Altitude Permissible	Without Derating 3000 m
Resistance to Shock acc. to IEC 60068-2-27	Closed, Shock Direction: A 20 g Closed, Shock Direction: B1 15 g Closed, Shock Direction: C1 20 g Closed, Shock Direction: C2 14 g Open, Shock Direction: A 10 g Open, Shock Direction: B1 5 g Open, Shock Direction: C1 8 g Open, Shock Direction: C2 8 g Shock Direction: B2 10 g
RoHS Status	Following EU Directive 2011/65/EU

Certificates and Declarations (Document Number)

CCC Certificate	CCC_2004010304112231
CQC Certificate	CQC2004010304112231
Declaration of Conformity - CCC	2020980304001611
Declaration of Conformity - CE	1SBD250804U1000
Environmental Information	1SBD250122E1002
GOST Certificate	GOST_POCCFRME77B07175
Instructions and Manuals	1SBC101007M5501
RoHS Information	1SBD250804U1000

Container Information

Package Level 1 Units	1 piece
Package Level 1 Width	100 mm
Package Level 1 Depth / Length	134 mm
Package Level 1 Height	62 mm
Package Level 1 Gross Weight	0.75 kg
Package Level 1 EAN	3471522284839
Package Level 2 Units	box 20 piece
Package Level 2 Width	300 mm
Package Level 2 Depth / Length	245 mm
Package Level 2 Height	308 mm
Package Level 2 Gross Weight	15 kg
Package Level 3 Units	384 piece

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

Categories

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

