

General Information

Extended Product Type:	AL26-40-00 24V DC
Product ID:	1SBL243201R8100
EAN:	3471522283818
Catalog Description:	AL26-40-00 24V 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: 4 N.O. 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.

Categories

Products » Low Voltage Products and Systems » Control Products » Contactors » Across the Line Contactors
 Parts & Services » Robotics » Service » Spares and Consumables

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:	110.6 mm
Product Net Height:	90 mm
Product Net Weight:	0.750 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
Rated Operational Voltage:	Main Circuit 690 V
Conventional Free-air Thermal Current (I_{th}):	acc. to IEC 60947-4-1, Open Contactors q = 40 °C 45 A
Rated Operational Current AC-1 (I_e):	(690 V) 40 °C 45 A (690 V) 55 °C 40 A (690 V) 70 °C 32 A
Rated Operational Current AC-3 (I_e):	(220 / 230 / 240 V) 55 °C 26 A (380 / 400 V) 55 °C 26 A (415 V) 55 °C 26 A (440 V) 55 °C 26 A (500 V) 55 °C 22 A (690 V) 55 °C 13 A
Rated Breaking Capacity AC-3 acc. to IEC 60947-4-1:	8 x I _e AC-3
Rated Making Capacity AC-3 acc. to IEC 60947-4-1:	10 x I _e AC-3
Short-Circuit Protective Devices:	gG Type Fuses 50 A
Rated Short-time Withstand Current (I_{cw}):	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 210 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 45 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 90 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 400 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 110 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 AC-2 / AC-4 300 cycles per hour AC-3 1200 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
Coil Operating Limits:	(acc. to IEC 60947-4-1) 0.85 ... 1.1 x U _c (at $\theta \leq 55$ °C) °C
Rated Control Circuit Voltage (U_c):	DC Operation 24 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 Energization and NO Contact Closing 55 ... 110 ms Between Coil De-energization and NO Contact Opening 12 ... 18 ms
Connecting Capacity Main Circuit:	Rigid Cable 1.5 ... 6 mm ² Flexible with Cable End 0.75 ... 4 mm ²
Connecting Capacity Auxiliary Circuit:	Rigid Cable 1 ... 4 mm ² Flexible with Cable End 0.75 ... 2.5 mm ²
Degree of Protection:	acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20
Connecting terminals (delivered in open position) Main poles:	M 4 (+,-) pozidriv 2 screw with cable clamp
Terminal Type:	Screw Terminals

Environmental

Ambient Air Temperature:	Near Contactor for Operation in Free Air (0.85 ... 1.1 U _c) -40 ... +55 °C Near Contactor for Operation in Free Air (U _c) -40 ... +70 °C Close to Contactor for Storage -60 ... +80 °C
Climatic Withstand:	acc. to IEC 60068-2-30 and 60068-2-11 - UTE C 63-100 specification II
Maximum Operating Altitude Permissible:	3000 m
Resistance to Shock acc. to IEC 60068-2-27:	Closed, Shock Direction: A 20 g Open, Shock Direction: A 10 g Closed, Shock Direction: B1 15 g Open, Shock Direction: B1 5 g Shock Direction: B2 10 g Closed, Shock Direction: C1 20 g Open, Shock Direction: C1 8 g Closed, Shock Direction: C2 14 g Open, Shock Direction: C2 8 g
RoHS Status:	Following EU Directive 2002/95/EC August 18, 2005 and amendment

Certificates and Declarations (Document Number)

CCC Certificate:	CCC_2004010304112231
CSA Certificate:	CSA_1033838_LR056745
Declaration of Conformity - CE:	1SBD250804U1000
GL Certificate:	GL_26417_05HH
GOST Certificate:	GOST_POCCFRME77B07175
RoHS Information:	1SBD350055R1000

Container Information

Package Level 1 Units:	1 piece
Package Level 1 Width:	100 mm
Package Level 1 Length:	134 mm
Package Level 1 Height:	62 mm
Package Level 1 Gross Weight:	0.75 kg
Package Level 1 EAN:	3471522283818
Package Level 2 Units:	20 piece
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
UNSPSC:	39121529

