

AF12Z-30-10-21

**General Information**

Extended Product Type:	AF12Z-30-10-21
Product ID:	1SBL156001R2110
EAN:	3471523113510
Catalog Description:	AF12Z-30-10-21 24-60V50/60HZ 20-60VDC Contactor
Long Description:	AF12Z contactors are used for controlling power circuits up to 690 V AC and 220 V DC. They are mainly used for controlling 3-phase motors, non-inductive or slightly inductive loads. AF..Z contactors include an electronic coil interface accepting a wide control voltage U_c min. ... U_c max. Only four coils cover control voltages between 24...250 V 50/60 Hz or 12...250 V DC. AF..Z contactors can manage large control voltage variations. One coil can be used for different control voltages used worldwide without any coil change. AF..Z contactors allow direct control by PLC-output ≥ 24 V DC 500 mA and obtain a reduced holding coil consumption. AF..Z contactors withstand short voltage dips and voltage sags (SEMI F47-0706 compliance) between 24...250 V 50/60 Hz AF..Z contactors have built-in surge protection and do not require additional surge suppressors The AF... series 1-stack 3-pole contactors are of the block type design. - Main poles and auxiliary contact blocks: 3 main poles, 1 built-in auxiliary contact, front and side-mounted add-on auxiliary contact blocks. (mechanically-linked auxiliary contacts compliant with Annex L of IEC 60947-5-1. N.C. mirror contacts compliant with Annex F of IEC 60947-4-1) - Control circuit: AC or DC operated - Accessories: a wide range of accessories is available.

Categories

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

Ordering

EAN:	3471523113510
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85369085

Dimensions

Product Net Width:	45.0 mm
Product Net Depth:	77.0 mm
Product Net Height:	86.0 mm
Product Net Weight:	0.310 kg

Container Information

Package Level 1 Units:	1 piece
Package Level 1 Width:	87 mm
Package Level 1 Length:	79 mm
Package Level 1 Height:	47 mm
Package Level 1 Gross Weight:	0.31000 kg
Package Level 1 EAN:	3471523113510
Package Level 2 Units:	54 piece
Package Level 3 Units:	1296 piece

Environmental

Ambient Air Temperature:	Close to Contactor for Storage -60...+80 °C Close to Contactor Fitted with Thermal O/L Relay -25 ... +60 °C Close to Contactor without Thermal O/L Relay -40 ... +70 °C
Maximum Operating Altitude Permissible:	3000 m
Resistance to Shock acc. to 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 Vibrations acc. to IEC 60068-2-6: 5...300 Hz 4 g closed position / 2 g open position

RoHS Status: Planned to follow EU Directive 2002/95/EC August 18, 2005 and amendment after 2008 Q1

Technical

Rated Operational Power AC-3 (P_e): (220 / 230 / 240V) 3 kW
(380 / 400V) 5.5 kW
(415V) 5.5 kW
(440V) 5.5 kW
(500V) 7.5 kW
(690V) 7.5 kW

Rated Operational Current AC-1 (I_e): (690V) 40°C 28 A
(690V) 60°C 28 A
(690V) 70°C 24 A

Number of Main Contacts NO: 3

Number of Main Contacts NC: 0

Number of Auxiliary Contacts NO: 1

Number of Auxiliary Contacts NC: 0

Rated Control Circuit Voltage (U_c): 50 Hz 24...60 V
60 Hz 24...60 V
DC Operation 20...60 V

Terminal Type: Screw Terminals

Technical UL/CSA

Tightening Torque UL/CSA: Auxiliary Circuit 11 in·lb
Control Circuit 11 in·lb
Main Circuit 13 in·lb

Certificates and Declarations (Document Number)

CB Certificate: CB_SE_70855M1
CCC Certificate: CCC_2010010304445624
cUL Certificate: UL_20091124-E312527-7-1
Declaration of Conformity - CE: 1SBD250164C3000
DNV Certificate: DNV_E12810
EAC Certificate: EAC_RU C-FR ME77 B01010
GL Certificate: GL_3786412HH
GOST Certificate: GOST_POCCFR.ME77.B07175.pdf
LR Certificate: LRS_1300087E1
RINA Certificate: RINA_ELE084013XG
RMRS Certificate: RMRS_1400682124
RoHS Information: 1SBD251013E1000

Classifications

E-nummer: 3211360
UNSPSC: 39121529