

AF26ZB-30-00RT-21



AF26ZB-30-00RT-21 24-60V50/60HZ 20-60VDC Contactor

General Information

Extended Product Type	AF26ZB-30-00RT-21
Product ID	1SBL236060R2100
EAN	3471523128514
Catalog Description	AF26ZB-30-00RT-21 24-60V50/60HZ 20-60VDC Contactor
Long Description	AF26ZB..RT 3-pole contactors comply with the latest railway rolling stock standards and allow installation in passengers or driver cabins for trains frequently operating tunnels or undergrounds. They are mainly used for controlling 3-phase motors and power circuits up to 690 V AC and 220 V DC. Improve the compactness of the installations thanks to reduced dimension and side-by-side mounting requiring less 15% width (without spacing) from -40 °C up to +70 °C. Meet all main rolling stocks standards: IEC 60947-4-1, IEC 60947-5-1, IEC 60077-1/-2 and applicable parts of EN 50155 standards, shocks and vibration withstand conforming to IEC 61373 cat. 1, class B. Reach the highest levels in fire and smoke behaviour with compliance to European standard EN 45545-2 (HL2, HL3 hazard levels) in group mounting Reduce train energy with lighter devices and requiring 68% less coil energy consumption in operation. Electronic coil interface handling large DC voltage fluctuation voltage, including several U _c DC control voltages used for battery supply and accepting sinusoidal AC 50/60 Hz control supplies included inside U _{cmin} ... U _{cmax} voltage range. Max permitted AC 50/60 Hz control voltage must not be exceeded (see technical data). Wide range of auxiliary contact blocks for front and side mounting.

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
UNSPSC	39121529

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	87 mm
Package Level 1 Depth / Length	87 mm
Package Level 1 Height	47 mm
Package Level 1 Gross Weight	0.36 kg
Package Level 1 EAN	3471523128514
Package Level 2 Units	21 piece
Package Level 2 Width	250 mm
Package Level 2 Depth / Length	300 mm
Package Level 2 Height	315 mm
Package Level 2 Gross Weight	16.2 kg

Package Level 3 Units

1080 piece

Certificates and Declarations (Document Number)

CB Certificate	CB_SE-80872M3
CCC Certificate	CCC_2010010304445623
Declaration of Conformity - CE	1SBD250004U1000
EAC Certificate	EAC_RU C-FR ME77 B03597
Environmental Information	1SBD250165E1000
Instructions and Manuals	1SBC101035M6801
RoHS Information	1SBD250004U1000
UL Certificate	UL_20121122-E312527_9_5
UL Listing Card	UL_E312527

Technical UL/CSA

General Use Rating UL/CSA	(600 V AC) 45 A
Horsepower Rating UL/CSA	(220 ... 240 V AC) Three Phase 7-1/2 hp (440 ... 480 V AC) Three Phase 15 hp (550 ... 600 V AC) Three Phase 20 hp (120 V AC) Single Phase 2 hp (200 ... 208 V AC) Three Phase 7-1/2 hp (240 V AC) Single Phase 3 hp

Environmental

Ambient Air Temperature	Close to Contactor for Storage -60 ... +80 °C Close to Contactor without Thermal O/L Relay -40 ... +70 °C Close to Contactor Fitted with Thermal O/L Relay -25 ... +60 °C
Climatic Withstand	Category B according to IEC 60947-1 Annex Q
Maximum Operating Altitude Permissible	3000 m
RoHS Status	Following EU Directive 2011/65/EU

Technical

Number of Main Contacts NO	3
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
Rated Frequency (f)	Main Circuit 50 / 60 Hz
Conventional Free-air Thermal Current (I_{th})	acc. to IEC 60947-4-1, Open Contactors $q = 40$ °C 50 A
Rated Operational Current AC-1 (I_e)	(690 V) 40 °C 45 A (690 V) 60 °C 40 A (690 V) 70 °C 32 A
Rated Operational Current AC-3 (I_e)	(220 / 230 / 240 V) 60 °C 26 A (380 / 400 V) 60 °C 26 A (415 V) 60 °C 26 A (440 V) 60 °C 26 A (500 V) 60 °C 23 A (690 V) 60 °C 17 A
Rated Operational Power AC-3 (P_e)	(220 / 230 / 240 V) 6.5 KWT (380 / 400 V) 11 KWT (415 V) 11 KWT

	(440 V) 15 KWT (500 V) 15 KWT (690 V) 15 KWT
Rated Short-time Withstand Current (I_{cw})	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 350 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 50 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 150 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 700 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 225 A for 1 s -empty- A
Maximum Breaking Capacity	cos phi=0.45 (cos phi=0.35 for $I_e > 100$ A) at 440 V 500 A cos phi=0.45 (cos phi=0.35 for $I_e > 100$ A) at 690 V 200 A
Maximum Electrical Switching Frequency	AC-1 600 cycles per hour AC-2 / AC-4 150 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) 690 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 24 ... 60 V 60 Hz 24 ... 60 V DC Operation 20 ... 60 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
Terminal Type	Ring-Tongue Terminals

Dimensions

Product Net Width	45 mm
Product Net Depth / Length	86 mm
Product Net Height	86 mm
Product Net Weight	0.36 kg

Popular Downloads

Instructions and Manuals	1SBC101035M6801
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Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Categories

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

