AF38Z-30-00-20





AF38Z-30-00-20 12-20VDC Contactor

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General Information

Extended Product Type	AF38Z-30-00-20
Product ID	1SBL296001R2000
EAN	3471523114708
Catalog Description	AF38Z-30-00-20 12-20VDC Contactor
Long Description	AF38Z 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. AFZ contactors include an electronic coil interface accepting a wide control voltage Uc min Uc max. Only four coils cover control voltages between 24250 V 50/60 Hz or 12250 V DC. AFZ contactors can manage large control voltage variations. One coil can be used for different control voltages used worldwide without any coil change. AFZ contactors allow direct control by PLC-output ≥ 24 V DC 500 mA and obtain a reduced holding coil consumption. AFZ contactors withstand short voltage dips and voltage sags (SEMI F47-0706 compliance) between 24250 V 50/60 Hz AFZ 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, 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: DC operated for AFZ-3020 contactors. Only AFZ-3020 contactors need to respect the polarity on the coil terminals (A1+ and A2-) Accessories: a wide range of accessories is available.

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	0.35 kg
Package Level 1 EAN	3471523114708
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

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Package Level 2 Gross Weight	15.75 kg
Package Level 3 Units	1080 piece

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Certificates and Declarations (Document Number)

ABS Certificate	ABS_15-GE1349500-PDA_90682247
BV Certificate	BV_2634H24898B0
CB Certificate	CB_SE-80872M3
CCC Certificate	CCC_2010010304445623
cUL Certificate	UL_20180227_E312527_7_1
Declaration of Conformity - CE	1SBD250000U1000
DNV Certificate	DNV-GL_TAE00001AF-3
DNV GL Certificate	DNV-GL_TAE00001AF-3
EAC Certificate	EAC_RU C-FR ME77 B03597
Environmental Information	1SBD250149E1000
GL Certificate	DNV-GL_TAE00001AF-3
GOST Certificate	GOST_POCCFR.ME77.B07175.pdf
Instructions and Manuals	1SBC101027M6801
KC Certificate	KC_HW02016-15001A
LR Certificate	LRS_1300087E1
RINA Certificate	RINA_ELE240318XG
RMRS Certificate	RMRS_1802705280
RoHS Information	1SBD250000U1000
UL Certificate	UL_20140305-E312527_7_1
UL Listing Card	E312527

Technical UL/CSA

General Use Rating UL/CSA	(600 V AC) 50 A	
Horsepower Rating UL/CSA	(220 240 V AC) Three Phase 10 hp	
	(440 480 V AC) Three Phase 25 hp	
	(550 600 V AC) Three Phase 30 hp	
	(120 V AC) Single Phase 2 hp	
	(200 208 V AC) Three Phase 10 hp	
	(240 V AC) Single Phase 5 hp	
Tightening Torque UL/CSA	Control Circuit 11 IA	
	Main Circuit 22 IA	

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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
Resistance to Vibrations acc. to IEC 60068-2-6	5 300 Hz 4 g closed position / 2 g open position
Resistance to Shock acc. to IEC 60068-2-27	Shock Direction: A 30 K40
	Shock Direction: B2 15 K40
	Shock Direction: C1 25 K40
	Shock Direction: C2 25 K40
	Closed, Shock Direction: B1 25 K40
	Open, Shock Direction: B1 5 K40
RoHS Status	Following EU Directive 2011/65/EU

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Technical

Number of Main Contacts NC 0	- Commodi	
Number of Auxillary Contacts NO 0 Number of Auxillary Contacts NC 0 Standardras IEC 60947-11 60947-4-1 and EN 80947-1-4, 50947-4-1, UL 508, CSA C222 N°14 Rated Operational Voltage Main Circuit 690 V Rated Prepartors (Papachery) acc. to IEC 60947-41, Open Contactors q = 40 °C 50 A Rated Operational Current AC-1 (I _p) (680 V) 40 °C 25 A (890 V) 70 °C 37 A (890 V) 80 °C 32 A (890 V) 70 °C 38 A (890 V) 80 °C 38 A (890 V) 80 °C 38 A (890 V) 80 °C 38 A (890 V) 80 °C 38 A (890 V) 80 °C 38 A (890 V) 80 °C 38 A (890 V) 80 °C 38 A (890 V) 80 °C 38 A (890 V) 80 °C 38 A (890 V) 80 °C 38 A (890 V) 80 °C 38 A (890 V) 80 °C 38 A (890 V) 80 °C 38 A (890 V) 80 °C 38 A (890 V) 80 °C 38 A (890 V) 80 °C 38 A (890 V) 80 °C 38 A (890 V) 80 °C 38 A (890 V) 80 °C 38 A (890 V) 80 °C 38 A (890 V) 80 °C 38 A (890 V) 80 °C 38 A (890 V) 80 °C 38 A (890 V) 80 °C 38 A (890 V) 80 °C 38 A (890 V) 80 °C 38 A (890 V) 80 °C 38 A (Number of Main Contacts NO	3
Number of Auxiliary Contacts NC 0 IEC 60947-11 60947-4-1 and EN 60947-1-1 60947-4-1, UL 508, CSA C22.2 N°14 Rated Operational Voltage Main Circuit 50 / 80 Hz Conventional Free air Thermal Current (I _m) acc. to IEC 60947-4-1, Open Contactors q = 40 °C 50 A Rated Operational Current AC-1 (I _m) (899 V) 40 °C 50 A Rated Operational Current AC-1 (I _m) (899 V) 40 °C 50 A Rated Operational Current AC-3 (I _m) (290 J) 290 °C 42 A (890 V) 80 °C 42 A (890 V) 90 °C 33 A (490 V) 80 °C 34 A (490 V) 80 °C 34 A (490 V) 80 °C 34 A (490 V) 80 °C 35 A (490 V) 80 °C 34 A (490 V) 80 °C 35 A (490 V) 80 °C	Number of Main Contacts NC	0
Standards IEC 80947-1 / 80947-4 1 and EN 80947-1 / 80947-4-1, UL 508, CSA C22 2 N°14	Number of Auxiliary Contacts NO	0
Rated Operational Voltage Main Circuit 690 V Rated Frequency (f) Main Circuit 600 V E Conventional Free-air Thermal Current (ft_m) acc. to IEC 60947-4-1, Open Contactors q = 40 °C 50 A Rated Operational Current AC-1 (ft_m) (690 V) 90 °C 42 A (890 V) 90 °C 42 A (890 V) 90 °C 42 A (890 V) 90 °C 42 A (890 V) 90 °C 43 A (380 V) 90 °C 38 A (415 V) 80 °C 38 A (415 V) 80 °C 38 A (490 V) 90 °C 23 A (800 V) 90 °C 23 A (800 V) 90 °C 24 OV 91 KWT (380 V) 90 °C 24 OV 91 KWT (380 V) 90 °C 24 OV 91 KWT (380 V) 90 °C 23 A (800 V) 90 °C 24 OV 91 KWT (380 V) 90 °C 24 OV 91 KWT (380 V) 90 °C 24 OV 91 KWT (380 V) 90 °C 23 A (800 V) 90 °C 24 OV 91 KWT (380 V) 90 °C 24 OV 91 KWT (380 V) 90 °C 24 OV 91 KWT (480 V) 90 °C 24 OV 91 KWT (480 V) 90 °C 24 OV 91 KWT (480 V) 90 °C 24 OV 91 KWT (480 V) 90 °C 24 OV 91 KWT (480 V) 90 °C 24 OV 91 KWT (480 V) 90 °C 24 OV 91 KWT (480 V) 90 °C 24 OV 91 KWT (480 V) 90 °C 24 OV 91 KWT (480 V) 91 °C 24 OV 91 KWT (480 V) 91 °C 24 OV 91 KWT (480 V) 91 °C 24 OV 91 KWT (480 V)	Number of Auxiliary Contacts NC	0
Rated Proquency (f) Main Circuit 50 / 60 Hz Conventional Free-air Thermal Current (I _m) acc. to IEC 08047-41. Open Contactors q = 40 °C 50 A Rated Operational Current AC-1 (I _m) (890 V) 60 °C 42 A (890 V) 90 °C 32 A (890 V) 60 °C 32 A Rated Operational Current AC-3 (I _m) (20 230 /240 V) 60 °C 30 A 4 (40 V) 90 °C 38 A (416 V) 90 °C 38 A 4 (40 V) 90 °C 38 A (416 V) 90 °C 38 A 4 (40 V) 90 °C 38 A (416 V) 90 °C 38 A 4 (40 V) 90 °C 38 A (416 V) 90 °C 38 A 4 (40 V) 90 °C 38 A (416 V) 90 °C 38 A 4 (40 V) 90 °C 38 A (416 V) 90 °C 38 A 4 (40 V) 90 °C 38 A (416 V) 90 °C 38 A 4 (40 V) 90 °C 38 A (416 V) 90 °C 38 A 4 (40 V) 90 °C 38 A (416 V) 90 °C 38 A 4 (40 V) 90 °C 38 A (416 V) 90 °C 38 A 4 (40 V) 90 °C 38 A (416 V) 90 °C 38 A 4 (40 V) 90 °C 38 A (416 V) 90 °C 38 A 4 (40 V) 90 °C 38 A (416 V) 90 °C 38 A 4 (40 V) 90 °C 38 A (416 V) 90 °C 38 A 4 (40 V) 90 °C 38 A (416 V) 90 °C 38 A 4 (40 V) 90 °C 38 A (416 V) 90 °C 38 A	Standards	IEC 60947-1 / 60947-4-1 and EN 60947-1 / 60947-4-1, UL 508, CSA C22.2 N°14
Conventional Free-air Thermal Current (I _m) acc. to IEC 60947-4-1, Open Contactors q = 40 °C 50 A Rated Operational Current AC-1 (I _m) (690 V) 80 °C 42 A (690 V) 70 °C 37 A (690 V) 80 °C 42 A (690 V) 80 °C 38 A (444 V) 80 °C 38 A (415 V) 80 °C 38 A (444 V) 80 °C 38 A (416 V) 80 °C 38 A (690 V) 80 °C 33 A (690 V) 80 °C 33 A (690 V) 80 °C 34 A (800 V) 80 °C 24 A (490 V) 80 °C 24 A Rated Operational Power AC-3 (P _m) (202 220 220 /240 V) 11 KVT (800 V) 22 KWT (490 V) 22 KWT (800 V) 22 KWT	Rated Operational Voltage	Main Circuit 690 V
Rated Operational Current AC-1 (I _a) (680 V) 40 °C S0 A (680 V) 60 °C 42 A (680 V) 60 °C 42 A (680 V) 60 °C 42 A (680 V) 60 °C 37 A (680 V) 60 °C 38 A (445 V) 60 °	Rated Frequency (f)	Main Circuit 50 / 60 Hz
(860 V) Ro "C 42 A	Conventional Free-air Thermal Current (I_{th})	acc. to IEC 60947-4-1, Open Contactors q = 40 °C 50 A
(380 / 400 V) 60 °C 38 A (440 V) 80 °C 38 A (440 V) 80 °C 38 A (500 V) 60 °C 23 A (500 V) 60 °C 24 A Rated Operational Power AC-3 (P _m) (220 / 230 / 240 V) 11 KWT (380 / 400 V) 18.5 KWT (415 V) 18.5 KWT (440 V) 22 KWT (500 V) 22 KWT (500 V) 22 KWT (500 V) 22 KWT (400 V) 18.5	Rated Operational Current AC-1 (I _e)	(690 V) 60 °C 42 A
(380 / 400 V) 18.5 KWT (415 V) 18.5 KWT (440 V) 22 KWT (600 V) 22 KWT (600 V) 22 KWT (600 V) 22 KWT (400 V) 18.5 KWT 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 15 min 50 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 18 min 50 A at 40 °C Ambient Temp, in Free Air, from a Cold State 18 min 50 A at 40 °C Ambient Temp, in Free Air, from a Cold State 18 min 50 A at 40 °C Ambient Temp, in Free Air, from a Cold State 18 min 50 A at 40 °C Ambient Temp, in Free Air, from a Cold State 18 min 50 A at 40 °C Ambient Temp, in Free Air, from a Cold State 18 min 50 A at 40 °C Ambient Temp, in Free Air, from a Cold State 18 min 50 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 AC-1 600 cycles per hour AC-2 IAC-4 150 cycles per hour AC-3 1200 A) at 690 V 200 A AC-1 600 cycles per hour AC-3 1200 Cycles per hour AC-1 AC-4 150 cycles per hour AC-1 AC-4 150 cycles per hour AC-3 1200 Cycles per hour AC-1 AC-4 150 cycles per hour AC-1 AC-4 150 cycles per hour AC-1 AC-4 150 cycles per hour Between Coil De-energization and NC Contact Closing 13 98 ms Between Coil De-energization and NC Contact Closing 14 95 ms Between Coil De-energization and NC Contact Closing 40 95 ms Between Coil De-energization and NC Contact Closing 40 95 ms Between Coil Energization and NC Contact Closing 40 95 ms Between Coil Energization and NC Contact Closing 40 95 ms Between Coil Energization and NC Contact Closing 40 95 ms Between Coil Energization and NC Contact Closing 40 95 ms Between Coil Energization and NC Contact Closing 40 95 ms Flexible with Insulated Ferrule 1x 1.5 10 m² Flexible with Insulated Ferrule 1x 1.5 10 m² Flexible with Insu	Rated Operational Current AC-3 (I $_{\rm e}$)	(380 / 400 V) 60 °C 38 A (415 V) 60 °C 38 A (440 V) 60 °C 38 A (500 V) 60 °C 33 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 15 min 50 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 is 700 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 is 700 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 is 700 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 is 700 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 225 A for 1 s - empty- A cos phi=0.45 (cos phi=0.35 for le > 100 A) at 440 V 500 A cos phi=0.45 (cos phi=0.35 for le > 100 A) at 440 V 500 A cos phi=0.45 (cos phi=0.35 for le > 100 A) at 690 V 200 A A C-1 600 cycles per hour AC-2 / AC-4 150 cycles per hour AC-3 1200 cy	Rated Operational Power AC-3 (P _e)	(380 / 400 V) 18.5 KWT (415 V) 18.5 KWT (440 V) 22 KWT (500 V) 22 KWT (690 V) 22 KWT
Cos phi=0.45 (cos phi=0.35 for le > 100 A) at 690 V 200 A AC-1 600 cycles per hour AC-2 / AC-4 150 cycles per hour AC-3 1200 cycles per hour Ac-4 150 cycles per hour Ac-5 1200 cycles per hour Rated Impulse Withstand Voltage (U _{imp}) 6 kV Maximum Mechanical Switching Frequency 3600 cycles per hour Rated Control Circuit Voltage (U _c) DC Operation 12 20 V Operate Time Between Coil De-energization and NC Contact Closing 13 98 ms Between Coil Energization and NC Contact Opening 38 99 ms Between Coil Energization and NC Contact Opening 38 99 ms Between Coil Energization and NO Contact Closing 40 95 ms Connecting Capacity Main Circuit Rigid 1/2x.25 10 m² Flexible with Insulated Ferrule 1/2x 1.5 10 m² Flexible with Insulated Ferrule 1x.1.5 10 m² Flexible with Insulated Ferrule 1x.1.5 10 m² Flexible with Insulated Ferrule 2x.1.5 4 m² Connecting Capacity Control Circuit Flexible with Ferrule 1/2x 0.75 2.5 m² Flexible with Insulated Ferrule 2x 0.75 1.5 m² Rigid 1/2x 1 2.5 m² Flexible with Insulated Ferrule 2x 0.75 1.5 m² Rigid 1/2x 1 2.5 m² Flexible with Insulated Ferrule 2x 0.75 1.5 m² Rigid 1/2x 1 2.5 m² Flexible with Insulated Ferrule 2x 0.75 1.5 m² Rigid 1/2x 1 2.5 m² Flexible with Insulated Ferrule 2x 0.75 1.5 m² Rigid 1/2x 1 2.5 m² Flexible with Insulated Ferrule 2x 0.75 1.5 m² Rigid 1/2x 1 2.5 m² Flexible with Insulated Ferrule 2x 0.75 1.5 m² Rigid 1/2x 1 2.5 m² Flexible with Insulated Ferrule 2x 0.75 1.5 m² Rigid 1/2x 1 2.5 m² Flexible with Insulated Ferrule 2x 0.75 1.5 m² Rigid 1/2x 1 2.5 m² Flexible with Insulated Ferrule 2x 0.75 1.5 m² Rigid 1/2x 1 2.5 m² Flexible with Insulated Ferrule 2x 0.75 1.5 m² Rigid 1/2x 1 2.5 m² Flexible with Insulated Ferrule 2x 0.75 1.5 m² Flexible with Insulated Ferrule 2x 0.75 1.5 m² Flexible with Insulated	Rated Short-time Withstand Current (I _{cw})	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
AC-2 / AC-4 150 cycles per hour AC-3 1200 cycles per hour acc. to UL/CSA 600 V 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) DC Operation 12 20 V Operate Time Between Coil De-energization and NC Contact Closing 13 98 ms Between Coil De-energization and NC Contact Opening 11 95 ms Between Coil Energization and NC Contact Opening 38 90 ms Between Coil Energization and NO Contact Opening 38 90 ms Between Coil Energization and NO Contact Closing 40 95 ms Connecting Capacity Main Circuit Rigid 1/2x 2.5 10 m² Flexible with Insulated Ferrule 1x 1.5 10 m² Flexible with Insulated Ferrule 2x 1.5 4 m² Connecting Capacity Control Circuit Flexible with Insulated Ferrule 1x 0.75 2.5 m² Flexible with Insulated Ferrule 1x 0.75 2.5 m² Flexible with Insulated Ferrule 2x 0.75 1.5 m² Rigid 1/2x 1 2.5 m² Rigid 1	Maximum Breaking Capacity	
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) DC Operation 12 20 V Operate Time Between Coil De-energization and NC Contact Closing 13 98 ms Between Coil De-energization and NC Contact Opening 11 95 ms Between Coil Energization and NC Contact Opening 38 90 ms Between Coil Energization and NO Contact Opening 38 90 ms Between Coil Energization and NO Contact Closing 40 95 ms Connecting Capacity Main Circuit Rigid 1/2x 2.5 10 m² Flexible with Ferrule 1/2x 1.5 10 m² Flexible with Insulated Ferrule 1x 1.5 10 m² Flexible with Insulated Ferrule 2x 1.5 4 m² Connecting Capacity Control Circuit Flexible with Insulated Ferrule 1x 0.75 2.5 m² Flexible with Insulated Ferrule 2x 0.75 2.5 m² Flexible with Insulated Ferrule 2x 0.75 1.5 m² Rigid 1/2x 1 2.5 m² Rigid 1/2x 1 2.5 m² Rigid 1/2x 1 2.5 m² Control Circuit 10 mm Main Circuit 14 mm 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	Maximum Electrical Switching Frequency	AC-2 / AC-4 150 cycles per hour
Maximum Mechanical Switching Frequency 3600 cycles per hour Rated Control Circuit Voltage (U _c) DC Operation 12 20 V Operate Time Between Coil De-energization and NC Contact Closing 13 98 ms	Rated Insulation Voltage (U _i)	
Pated Control Circuit Voltage (U _c) DC Operation 12 20 V Degrate 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 Connecting Capacity Main Circuit Rigid 1/2x 2.5 10 m² Flexible with Ferrule 1/2x 1.5 10 m² Flexible with Insulated Ferrule 2x 1.5 4 m² Connecting Capacity Control Circuit Flexible with Ferrule 1/2x 0.75 2.5 m² Flexible with Insulated Ferrule 2x 0.75 2.5 m² Flexible with Insulated Ferrule 2x 0.75 1.5 m² Rigid 1/2x 1 2.5 m² Wire Stripping Length Control Circuit 10 mm Main Circuit 14 mm 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	Rated Impulse Withstand Voltage ($\mathbf{U}_{\mathrm{imp}}$)	6 kV
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 Connecting Capacity Main Circuit Rigid 1/2x 2.5 10 m² Flexible with Ferrule 1/2x 1.5 10 m² Flexible with Insulated Ferrule 1x 1.5 10 m² Flexible with Insulated Ferrule 2x 1.5 4 m² Connecting Capacity Control Circuit Flexible with Ferrule 1/2x 0.75 2.5 m² Flexible with Insulated Ferrule 2x 0.75 2.5 m² Flexible with Insulated Ferrule 2x 0.75 1.5 m² Rigid 1/2x 1 2.5 m² Wire Stripping Length Control Circuit 10 mm Main Circuit 14 mm 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	Maximum Mechanical Switching Frequency	3600 cycles per hour
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 Connecting Capacity Main Circuit Rigid 1/2x 2.5 10 m² Flexible with Ferrule 1/2x 1.5 10 m² Flexible with Insulated Ferrule 1x 1.5 10 m² Flexible with Insulated Ferrule 2x 1.5 4 m² Connecting Capacity Control Circuit Flexible with Ferrule 1/2x 0.75 2.5 m² Flexible with Insulated Ferrule 1x 0.75 2.5 m² Flexible with Insulated Ferrule 2x 0.75 1.5 m² Rigid 1/2x 1 2.5 m² Wire Stripping Length Control Circuit 10 mm Main Circuit 14 mm 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	Rated Control Circuit Voltage (U _c)	DC Operation 12 20 V
Flexible with Ferrule 1/2x 1.5 10 m² Flexible with Insulated Ferrule 1x 1.5 10 m² Flexible with Insulated Ferrule 2x 1.5 4 m² Connecting Capacity Control Circuit Flexible with Ferrule 1/2x 0.75 2.5 m² Flexible with Insulated Ferrule 1x 0.75 2.5 m² Flexible with Insulated Ferrule 2x 0.75 1.5 m² Rigid 1/2x 1 2.5 m² Wire Stripping Length Control Circuit 10 mm Main Circuit 10 mm Main Circuit 14 mm 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	Operate Time	Between Coil De-energization and NO Contact Opening 11 95 ms Between Coil Energization and NC Contact Opening 38 90 ms
Flexible with Insulated Ferrule 1x 0.75 2.5 m² Flexible with Insulated Ferrule 2x 0.75 1.5 m² Rigid 1/2x 1 2.5 m² Wire Stripping Length Control Circuit 10 mm Main Circuit 14 mm 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 Capacity Main Circuit	Flexible with Ferrule 1/2x 1.5 10 m ² Flexible with Insulated Ferrule 1x 1.5 10 m ²
Main Circuit 14 mm 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 Capacity Control Circuit	Flexible with Insulated Ferrule 1x 0.75 2.5 m ² Flexible with Insulated Ferrule 2x 0.75 1.5 m ²
acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20	Wire Stripping Length	
Terminal Type Screw Terminals	Degree of Protection	
	Terminal Type	Screw Terminals

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Dimensions

Product Net Width	45 mm	
Product Net Depth / Length	86 mm	
Product Net Height	86 mm	
Product Net Weight	0.35 kg	

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Popular Downloads

Instructions and Manuals	1SBC101027M6801	

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

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Categories

Low Voltage Products and Systems \rightarrow Control Products \rightarrow Contactors \rightarrow Block Contactors

