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## General Information

<b>Extended Product Type:</b>	AS12-30-01-20
<b>Product ID:</b>	1SBL111001R2001
<b>EAN:</b>	3471523035201
<b>Catalog Description:</b>	AS12-30-01-20 24V50/60HZ Contactor
<b>Long Description:</b>	AS12 contactors are mainly used for controlling 3-phase motors and generally for controlling power circuits up to 690 V AC or 220 V DC. They are mainly used for controlling 3-phase motors, non-inductive or slightly inductive loads. The AS... 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-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 operated with laminated magnet circuit - Accessories: a wide range of accessories is available.

## Ordering

<b>Minimum Order Quantity:</b>	1 piece
<b>Customs Tariff Number:</b>	85364900

## Popular Downloads

<b>Data Sheet, Technical Information:</b>	1SBC100173C0201
<b>Instructions and Manuals:</b>	1SBC101020M9701

## Dimensions

<b>Product Net Width:</b>	45 mm
<b>Product Net Depth / Length:</b>	72.5 mm
<b>Product Net Height:</b>	68 mm
<b>Product Net Weight:</b>	0.220 kg

## Technical

<b>Number of Main Contacts NO:</b>	3
<b>Number of Main Contacts NC:</b>	0
<b>Number of Auxiliary Contacts NO:</b>	0
<b>Number of Auxiliary Contacts NC:</b>	1
<b>Standards:</b>	IEC 60947-1 / 60947-4-1 and EN 60947-1 / 60947-4-1, UL 508, CSA C22.2 N°14
<b>Rated Operational Voltage:</b>	Auxiliary Circuit 690 V Main Circuit 690 V

<b>Rated Frequency (f):</b>	Auxiliary Circuit 50 / 60 Hz Main Circuit 50 / 60 Hz
<b>Conventional Free-air Thermal Current (<math>I_{th}</math>):</b>	acc. to IEC 60947-4-1, Open Contactors $q = 40\text{ °C}$ 25 A acc. to IEC 60947-5-1, $q = 40\text{ °C}$ 10 A
<b>Rated Operational Current AC-1 (<math>I_e</math>):</b>	(690 V) $40\text{ °C}$ 24 A (690 V) $60\text{ °C}$ 20 A (690 V) $70\text{ °C}$ 16 A
<b>Rated Operational Current AC-3 (<math>I_e</math>):</b>	(220 / 230 / 240 V) $60\text{ °C}$ 12 A (380 / 400 V) $60\text{ °C}$ 12 A (415 V) $60\text{ °C}$ 12 A (440 V) $60\text{ °C}$ 11 A (500 V) $60\text{ °C}$ 11 A (690 V) $60\text{ °C}$ 7 A
<b>Rated Operational Power AC-3 (<math>P_e</math>):</b>	(220 / 230 / 240 V) 3 kW (400 V) 5.5 kW (415 V) 5.5 kW (440 V) 5.5 kW (500 V) 5.5 kW (690 V) 5.5 kW
<b>Rated Operational Current AC-15 (<math>I_e</math>):</b>	(220 / 240 V) 4 A (24 / 127 V) 6 A (400 / 440 V) 3 A (500 V) 2 A (690 V) 2 A
<b>Rated Short-time Withstand Current (<math>I_{cw}</math>):</b>	at $40\text{ °C}$ Ambient Temp, in Free Air, from a Cold State 10 s 124 A at $40\text{ °C}$ Ambient Temp, in Free Air, from a Cold State 15 min 24 A at $40\text{ °C}$ Ambient Temp, in Free Air, from a Cold State 1 min 55 A at $40\text{ °C}$ Ambient Temp, in Free Air, from a Cold State 1 s 250 A at $40\text{ °C}$ Ambient Temp, in Free Air, from a Cold State 30 s 75 A for 0.1 s 140 A for 1 s 100 A
<b>Maximum Breaking Capacity:</b>	$\cos\phi=0.45$ ( $\cos\phi=0.35$ for $I_e > 100\text{ A}$ ) at 440 V 155 A $\cos\phi=0.45$ ( $\cos\phi=0.35$ for $I_e > 100\text{ A}$ ) at 690 V 90 A
<b>Maximum Electrical Switching Frequency:</b>	AC-1 600 cycles per hour AC-15 1200 cycles per hour AC-2 / AC-4 300 cycles per hour AC-3 1200 cycles per hour DC-13 900 cycles per hour
<b>Rated Operational Current DC-13 (<math>I_e</math>):</b>	(110 V) 0.55 A / 60 A (125 V) 0.55 A / 69 A (220 V) 0.27 A / 60 A (24 V) 6 A / 144 A (250 V) 0.27 A / 68 A (48 V) 2.8 A / 134 A (72 V) 1 A / 72 A