

A63-30-11 48V 50Hz / 48V 60Hz



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

General Information

Extended Product Type:	A63-30-11 48V 50Hz / 48V 60Hz
Product ID:	1SBL371001R8311
EAN:	3471522088833
Catalog Description:	A63-30-11 48V 50Hz / 48V 60Hz Contactor
Long Description:	A63 contactors are mainly used for controlling 3-phase motors and generally for controlling power circuits up to 690 V AC / 1000 V AC or 220 V DC. The contactors can also be used for many other applications such as isolation, capacitor switching, lighting. The A... series 1-stack 3-pole contactors are of the block type design. - Main poles and auxiliary contact blocks: 3 main poles and 2 built-in auxiliary contacts, front and side-mounted add-on auxiliary contact blocks - Control circuit: AC operated with laminated magnet circuit - Accessories: a wide range of accessories is available.

Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85364900

Popular Downloads

Data Sheet, Technical Information:	1SBC100122C0202_Ch02
Instructions and Manuals:	FPTC407700P0003

Dimensions

Product Net Width:	82 mm
Product Net Depth:	108 mm
Product Net Height:	110 mm
Product Net Weight:	1.200 kg

Technical

Number of Main Contacts NO:	3
Number of Main Contacts NC:	0
Number of Auxiliary Contacts NO:	1
Number of Auxiliary Contacts NC:	1
Standards:	Devices complying with international standards IEC 947-1 / 947-4-1, and European standards EN 60 947-1 / 60 947-4-1. Electromagnetic compatibility (EMC) acc. to amendment A11 to IEC 947-1; EN 60 947-1 and amendment 2 to IEC 947-4-1
Rated Operational Voltage:	Main Circuit 1000 V

Rated Frequency (f):	Supply Circuit 50 Hz Supply Circuit 60 Hz
Conventional Free-air Thermal Current (I_{th}):	acc. to IEC 60947-4-1, Open Contactors $q = 40\text{ °C}$ 125 A acc. to IEC 60947-5-1, $q = 40\text{ °C}$ 16 A
Rated Operational Current AC-1 (I_e):	(690 V) 40 °C 115 A (690 V) 55 °C 95 A (690 V) 70 °C 80 A
Rated Operational Current AC-3 (I_e):	(1000 V) 55 °C 25 A (220 / 230 / 240 V) 55 °C 65 A (380 / 400 V) 55 °C 65 A (415 V) 55 °C 65 A (440 V) 55 °C 65 A (500 V) 55 °C 55 A (690 V) 55 °C 43 A
Rated Operational Power AC-3 (P_e):	(220 / 230 / 240 V) 18.5 kW (380 / 400 V) 30 kW (415 V) 37 kW (440 V) 37 kW (500 V) 37 kW (690 V) 37 kW
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
Rated Operational Current AC-15 (I_e):	(220 / 240 V) 4 A (24 / 127 V) 6 A (380 / 440 V) 3 A (500 V) 2 A (690 V) 2 A
Short-Circuit Protective Devices:	Auxiliary Circuit - gG Type Fuses 10 A gG Type Fuses 125 A
Rated Short-time Withstand Current (I_{cw}):	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 650 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 135 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 250 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 1000 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 370 A for 0.1 s 140 A for 1 s 100 A
Maximum Breaking Capacity:	$\cos\phi=0.45$ ($\cos\phi=0.35$ for $I_e > 100\text{ A}$) at 440 V 1300 A $\cos\phi=0.45$ ($\cos\phi=0.35$ for $I_e > 100\text{ A}$) at 690 V 630 A
Maximum Electrical Switching Frequency:	AC-1 600 cycles per hour AC-2 / AC-4 150 cycles per hour AC-3 600 cycles per hour

Rated Operational Current DC-13 (I_e):	(125 V) 0.55 / 69 A (24 V) 6 / 144 A (250 V) 0.3 / 75 A (48 V) 2.8 / 134 A (72 V) 1 / 72 A
Rated Insulation Voltage (U_i):	acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 690 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 θ ≤ 55 °C) °C
Rated Control Circuit Voltage (U_c):	50 Hz 48 V 60 Hz 48 V
Coil Consumption:	Average Holding Value 50 / 60 Hz 18 V·A Average Holding Value 50 / 60 Hz 5.5 W Average Pull-in Value 50 Hz 190 V·A Average Pull-in Value 60 Hz 180 V·A
Operate Time:	Between Coil Energization and NO Contact Closing 8 ... 27 ms Between Coil De-energization and NO Contact Opening 4 ... 11 ms Between Coil De-energization and NC Contact Closing 7 ... 14 ms Between Coil Energization and NC Contact Opening 7 ... 22 ms
Connecting Capacity Main Circuit:	Flexible with Cable End 6 ... 16 mm ² Rigid Cable 6 ... 25 mm ²
Connecting Capacity Auxiliary Circuit:	Flexible with Cable End 0.75 ... 2.5 mm ² Rigid Cable 1 ... 4 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 6 (+,-) pozidriv 2 screws with 1x (13 x 10 mm) connector
Terminal Type:	Screw Terminals

Environmental

Ambient Air Temperature:	Close to Contactor Fitted with Thermal O/L Relay -25 ... +55 °C Close to Contactor for Storage -60 ... +80 °C Close to Contactor without Thermal O/L Relay (0.85 ... 1.1 U _c) -40 ... +55 °C Close to Contactor without Thermal O/L Relay (U _c) -40 ... +70 °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
RoHS Status:	Following EU Directive 2002/95/EC August 18, 2005 and amendment

Certificates and Declarations (Document Number)

ASEFA Certificate:	ASEFA_05403BT
BV Certificate:	BV_2634H07559D0
CB Certificate:	CB_FR_602227A
CCC Certificate:	CCC_2006010304213057 CCC_2008010309289461
CSA Certificate:	CSA_1033838_LR056745
Declaration of Conformity - CE:	1SBD250801U1000
DNV Certificate:	DNV-GL_TAE00000TX
DNV GL Certificate:	DNV-GL_TAE00000TX
EAC Certificate:	EAC_RU C-FR ME77 B01010
Environmental Information:	1SBD250009E1003
GOST Certificate:	GOST_POCCFRME77B07175
Instructions and Manuals:	FPTC407700P0003
LOVAG Certificate:	LOVAG_FR03031
LR Certificate:	LRS_9830011E4
RINA Certificate:	RINA_ELE128713XG001
RMRS Certificate:	RMRS_0507015250
RoHS Information:	1SBD350061R1000
UL Certificate:	UL_20120830-E312527-10-1
UL Listing Card:	UL_E312527

Container Information

Package Level 1 Units:	1 piece
Package Level 1 Width:	140 mm
Package Level 1 Length:	146 mm
Package Level 1 Height:	96 mm
Package Level 1 Gross Weight:	1.2 kg
Package Level 1 EAN:	3471522088833
Package Level 2 Units:	63 piece
Package Level 3 Units:	160 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

