

A300-30-11-88



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

General Information

Extended Product Type:	A300-30-11-88
Product ID:	1SFL551001R8811
EAN:	7320500214206
Catalog Description:	A300-30-11 230-240V 50Hz / 240-260V 60Hz Contactor
Long Description:	A 3-phase Contactor suitable for various applications such as Motor starting, Isolation, By-pass and Distribution application up to max 690 V. Operated with control voltage, versions from 24...690 AC, 50 and 60 Hz

Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85364900
Replacement Product ID (NEW):	1SFL587002R1311

Popular Downloads

Data Sheet, Technical Information:	1SBC100122C0202
Instructions and Manuals:	1SFC380003-89
Dimension Diagram:	53540930-2

Dimensions

Product Net Width:	140.0 mm
Product Net Depth:	180.5 mm
Product Net Height:	227.0 mm
Product Net Weight:	6.100 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
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 500 A
Rated Operational Current AC-1 (I_e):	(690 V) 55 °C 400 A (690 V) 40 °C 500 A (690 V) 70 °C 325 A

Rated Operational Current AC-3 (I_e):	(690 V) 55 °C 280 A (220 / 230 / 240 V) 55 °C 305 A (415 V) 55 °C 300 A (440 V) 55 °C 280 A (380 / 400 V) 55 °C 305 A (500 V) 55 °C 280 A
Rated Operational Power AC-3 (P_e):	(500 V) 200 kW (220 / 230 / 240 V) 90 kW (690 V) 250 kW (380 / 400 V) 160 kW (440 V) 160 kW (415 V) 160 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
Short-Circuit Protective Devices:	gG Type Fuses 500 A
Rated Short-time Withstand Current (I_{cw}):	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 2400 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 500 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 1500 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 3500 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 1100 A
Maximum Breaking Capacity:	cos phi=0.45 (cos phi=0.35 for I _e > 100 A) at 440 V 3000 A cos phi=0.45 (cos phi=0.35 for I _e > 100 A) at 690 V 2500 A
Maximum Electrical Switching Frequency:	AC-3 300 cycles per hour AC-1 300 cycles per hour AC-2 / AC-4 150 cycles per hour
Rated Operational Current DC-1 (I_e):	(110 V) 2 Poles in Series, 40 °C 450 A (220 V) 3 Poles in Series, 40 °C 450 A
Rated Operational Current DC-3 (I_e):	(110 V) 2 Poles in Series, 40 °C 450 A (220 V) 3 Poles in Series, 40 °C 450 A
Rated Operational Current DC-5 (I_e):	(110 V) 2 Poles in Series, 40 °C 450 A (220 V) 3 Poles in Series, 40 °C 450 A
Rated Insulation Voltage (U_i):	acc. to UL/CSA 600 V acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V
Rated Impulse Withstand Voltage (U_{imp}):	Main Circuit 8 kV
Mechanical Durability:	5 million
Maximum Mechanical Switching Frequency:	3600 cycles per hour
Coil Operating Limits:	(acc. to IEC 60947-4-1) 0.85 x U _c Min. ... 1.1 x U _c Max. (at θ ≤ 70 °C) °C
Rated Control Circuit Voltage (U_c):	60 Hz 240 ... 260 V 50 Hz 230 ... 240 V