

PRODUCT-DETAILS

AX185-30-11-83

AX185-30-11-83 Contactor



General Information

Extended Product Type	AX185-30-11-83
Product ID	1SFL491074R8311
EAN	7320500500231
Catalog Description	AX185-30-11-83 Contactor
Long Description	AX185-30-11-83 Contactor

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
IDEA Granular Category Code (IGCC)	4755 >> Contactors

Container Information

Package Level 1 Units	box 1 piece
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Package Level 1 Width	180 mm
Package Level 1 Depth / Length	245 mm
Package Level 1 Height	175 mm
Package Level 1 Gross Weight	3.8 kg
Package Level 1 EAN	7320500500231

Certificates and Declarations (Document Number)

Declaration of Conformity - CE	2CMT2015-005443
Instructions and Manuals	N/A
RoHS Information	2CMT2015-005443

Environmental

Ambient Air Temperature	Close to Contactor for Storage -40 ... +70 °C Close to Contactor Fitted with Thermal O/L Relay (0.85 ... 1.1 Uc) -25 ... +55 °C Close to Contactor without Thermal O/L Relay (0.85 ... 1.1 Uc) -40 ... +70 °C
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	1
Number of Auxiliary Contacts NC	1
Rated Operational Voltage	Main Circuit 1000 V
Rated Frequency (f)	Main Circuit 60 Hz
Conventional Free-air Thermal Current (I_{th})	acc. to IEC 60947-4-1, Open Contactors q = 40 °C 250 A
Rated Operational Current AC-1 (I_e)	(690 V) 40 °C 250 A (690 V) 55 °C 230 A (690 V) 70 °C 180 A
Rated Operational Current AC-3 (I_e)	(220 / 230 / 240 V) 55 °C 185 A (380 / 400 V) 55 °C 185 A (415 V) 55 °C 185 A (440 V) 55 °C 145 A (500 V) 55 °C 145 A (690 V) 55 °C 120 A
Rated Operational Power AC-3 (P_e)	(220 / 230 / 240 V) 55 KWT (380 / 400 V) 90 KWT (415 V) 90 KWT (440 V) 75 KWT (500 V) 90 KWT (690 V) 110 KWT
Rated Breaking Capacity	8 x Ie AC-3

AC-3 acc. to IEC 60947-4-1

Rated Making Capacity AC-3 acc. to IEC 60947-4-1	10 x Ie AC-3
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Rated Short-time Withstand Current (I_{cw})	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 1200 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 280 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 600 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 1800 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 800 A
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Maximum Electrical Switching Frequency	300 cycles per hour
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Rated Insulation Voltage (U_i)	acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 690 V
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Rated Impulse Withstand Voltage (U_{imp})	8 kV
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Mechanical Durability	5 million
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Maximum Mechanical Switching Frequency	3600 cycles per hour
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Coil Operating Limits	(acc. to IEC 60947-4-1) U_c (at $\theta \leq 70$ °C)
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Rated Control Circuit Voltage (U_c)	50 Hz 48 V 60 Hz 48 V
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Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP20
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Terminal Type	Main Circuit: Bars
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Dimensions

Product Net Width	111.5 mm
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Product Net Depth / Length	162.3 mm
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Product Net Height	196 mm
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Product Net Weight	3.2 kg
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Popular Downloads

Instructions and Manuals	N/A
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Ordering

Minimum Order Quantity	1 piece
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Customs Tariff Number	85364900
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Categories

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

