

## PRODUCT-DETAILS

# AX185-30-11-80

## AX185-30-11-80 Contactor



### General Information

Extended Product Type	AX185-30-11-80
Product ID	1SFL491074R8011
EAN	7320500500255
Catalog Description	AX185-30-11-80 Contactor
Long Description	AX185-30-11-80 Contactor

### Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

### Popular Downloads

Instructions and Manuals	9AKK107492A7061
CAD Dimensional Drawing	2CDC001079B0201

## Dimensions

Product Net Width	111.5 mm
Product Net Depth / Length	162.3 mm
Product Net Height	196 mm
Product Net Weight	3.2 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 1000 V
Rated Frequency (f)	Main Circuit 60 Hz
Conventional Free-air Thermal Current ( $I_{th}$ )	acc. to IEC 60947-4-1, Open Contactors $\Theta = 40\text{ °C}$ 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 ( $I_e$ )	(415 V) 55 °C 185 A (440 V) 55 °C 145 A (500 V) 55 °C 145 A (690 V) 55 °C 120 A (380 / 400 V) 55 °C 185 A (220 / 230 / 240 V) 55 °C 185 A
Rated Operational Power AC-3 ( $P_e$ )	(415 V) 90 kW (440 V) 75 kW (500 V) 90 kW (690 V) 110 kW (380 / 400 V) 90 kW (220 / 230 / 240 V) 55 kW
Rated Breaking Capacity AC-3	8 x $I_e$ AC-3
Rated Making Capacity AC-3	10 x $I_e$ AC-3
Rated Short-time Withstand Current Low Voltage ( $I_{cw}$ )	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
Maximum Electrical Switching Frequency	300 cycles per hour
Rated Insulation Voltage ( $U_i$ )	acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 690 V
Rated Impulse Withstand Voltage ( $U_{imp}$ )	8 kV
Mechanical Durability	5 million
Maximum Mechanical	3600 cycles per hour

Switching Frequency	
Coil Operating Limits	(acc. to IEC 60947-4-1) Uc (at $\theta \leq 70^\circ\text{C}$ )
Rated Control Circuit Voltage ( $U_c$ )	50 Hz 220 ... 230 V 60 Hz 230 ... 240 V
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP40
Terminal Type	Main Circuit: Bars

## Environmental

Ambient Air Temperature	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 Close to Contactor for Storage -40 ... 70 °C
Maximum Operating Altitude Permissible	Without Derating 3000 m

## Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	2CMT2021-006202
RoHS Information	2CMT2021-006277
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Toxic Substances Control Act - TSCA	2CMT2023-006525
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

## Certificates and Declarations

CQC Certificate	CQC2013010304646598
Declaration of Conformity - CCC	2020980304001070
Declaration of Conformity - CE	2CMT2015-005443
UL Certificate	20160920-E36588

## Container Information

Package Level 1 Units	box 1 piece
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	7320500500255

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	
ETIM 8	EC000066 - Power contactor, AC switching	
eClass	V11.0 : 27371003	
UNSPSC	39121529	
IDEA Granular Category Code (IGCC)	4755 >> Contactors	

Categories

Low Voltage Products and Systems → Control Products → Contactors → Block Contactors → AX Contactors → AX185

