



PRODUCT-DETAILS

AF580F-30-11

AF580F-30-11 250-500V AC/DC Contactor



General Information	
Extended Product Type	AF580F-30-11
Product ID	1SFL617001R9103
EAN	7320500253953
Catalog Description	AF580F-30-11 250-500V AC/DC Contactor
Long Description	The AF580F-30-11 is a 3 pole - 1000 V IEC or 600 V UL contactor with pre-mounted auxiliary contacts and Main Circuit Bars, for Fire Pump applications, controlling motors up to 315 kW / 400 V AC (AC-3) or 500 hp / 480 V UL and switching power circuits up to n.a. A (AC-1) or 750 A UL general use. Thanks to the AF technology, the contactor has a wide control voltage range (220-240 V 50/60 Hz), managing large control voltage variations, reducing panel energy consumptions and ensuring distinct operations in unstable networks. Furthermore, surge protection is built-in, offering a compact solution. AF contactors have a block type design, can be easily extended with add-on auxiliary contact blocks and an additional wide range of accessories.

Ordering	
Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads	
Data Sheet, Technical Information	1SBC100214C0202
Instructions and Manuals	1SFC380023-en
Instructions and Manuals (Part 2)	1SFC101038M0201
CAD Dimensional Drawing	2CDC001079B0201

Dimensions	
Product Net Width	210 mm
Product Net Depth / Length	242 mm
Product Net Height	283 mm
Product Net Weight	13.6 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
Number of Poles	3P
Rated Operational Voltage	Main Circuit 1000 V
Rated Operational Current AC-1 (I _e)	(1000 V) 40 °C 800 A (1000 V) 55 °C 700 A (1000 V) 70 °C 580 A (690 V) 40 °C 800 A (690 V) 55 °C 700 A (690 V) 70 °C 580 A
Rated Operational Current AC-3 (I _e)	(415 V) 55 °C 580 A (440 V) 55 °C 580 A (500 V) 55 °C 580 A (690 V) 55 °C 500 A (1000 V) 55 °C 250 A (380 / 400 V) 55 °C 580 A (220 / 230 / 240 V) 55 °C 580 A
Rated Operational Power AC-3 (P _e)	(415 V) 355 kW (440 V) 355 kW (500 V) 400 kW (690 V) 500 kW (1000 V) 355 kW (380 / 400 V) 315 kW (220 / 230 / 240 V) 160 kW
Rated Insulation Voltage (U _i)	acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V acc. to UL/CSA 600 V
Mechanical Durability	3 million
Rated Control Circuit Voltage (U _c)	50 Hz 250 ... 500 V 60 Hz 250 ... 500 V DC Operation 250 ... 500 V
Power Loss	at Rated Operating Conditions per Pole 32 W
Terminal Type	Main Circuit: Bars
Product Name	Block Contactor

Technical UL/CSA	
General Use Rating UL/CSA	(600 V AC) 750 A
Horsepower Rating UL/CSA	(200 V AC) Three Phase 200 hp (208 V AC) Three Phase 200 hp (220 ... 240 V AC) Three Phase 250 hp (440 ... 480 V AC) Three Phase 500 hp (550 ... 600 V AC) Three Phase 600 hp
Full Load Amps Motor Use	(440 ... 480 V AC) Three Phase 590 A (550 ... 600 V AC) Three Phase 578 A

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)

ABB EcoSolutions	
End Of Life Disassembling Instructions	1SFC100112M0004
Environmental Product Declaration - EPD	1SFC100109D0201

Certificates and Declarations	
CB Certificate	SE-82863
Declaration of Conformity - CE	2CMT2019-005796
Declaration of Conformity - UKCA	2CMT2020-006118
PRS Certificate	TE_2092_880423_16
UL Certificate	UL_20111101-E36588

Container Information	
Package Level 1 Units	box 1 piece
Package Level 1 Width	280 mm
Package Level 1 Depth / Length	375 mm
Package Level 1 Height	310 mm
Package Level 1 Gross Weight	15 kg
Package Level 1 EAN	7320500253953

External Classifications and Standards		
Object Classification Code		Q
ETIM 7	EC000066 - Power contactor, AC switching	
ETIM 8	EC000066 - Power contactor, AC switching	
ETIM 9	EC000066 - Power contactor, AC switching	
eClass		V11.0 : 27371003
UNSPSC		39121529
IDEA Granular Category Code (IGCC)	4758 >> Iec Contactors	

Categories

Low Voltage Products and Systems → Control Products → Contactors → Block Contactors → AF Contactors → AF580

