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PRODUCT-DETAILS

GAF460-10-11-68 GAF460-10-11 24-60V DC Contactor



Extended Product Type	GAF460-10-11-68	
Product ID	1SFL597025R6811	
EAN	7320500383995	
Catalog Description	GAF460-10-11 24-60V DC Contactor	
A 3-pole Contactor suitable for DC-1 applications where all three poles must be conn Long Description in series in a 1-pole configuration up to max 1000 VDC. Operated with wide control vo range 24-60		
Ordering		
Minimum Order Quantity	1 piece	
Customs Tariff Number	85364900	
Popular Downloads		
Data Sheet, Technical	1SBC100214C0202	
Data Sheet, Technical Information	1SBC100214C0202 1SFC101045M9701	
Popular Downloads Data Sheet, Technical Information Instructions and Manuals CAD Dimensional		

Drawing

Drawing	
Dimension Diagram	53540919-59
Dimensions	
Product Net Width	186 mm
Product Net Depth / Length	216 mm
Product Net Height	278 mm
Product Net Weight	10.6 kg
 Technical	
Number of Main Contacts NO	1
Number of Main Contacts NC	C
Number of Auxiliary Contacts NO	1
Number of Auxiliary Contacts NC	1
Rated Operational Voltage	Main Circuit 1000 V
Conventional Free-air Thermal Current (I _{th})	acc. to IEC 60947-4-1, Open Contactors Θ = 40 °C 700 A
Rated Operational Current DC-1 (I _e)	(1000 V) 3 Poles in Series, 40 °C 700 A (1000 V) 3 Poles in Series, 55 °C 600 A (1000 V) 3 Poles in Series, 70 °C 480 A (220 V) 3 Poles in Series, 40 °C 700 A (220 V) 3 Poles in Series, 55 °C 600 A (220 V) 3 Poles in Series, 70 °C 480 A (400 V) 3 Poles in Series, 40 °C 700 A (400 V) 3 Poles in Series, 55 °C 600 A (400 V) 3 Poles in Series, 70 °C 480 A (600 V) 3 Poles in Series, 40 °C 700 A (600 V) 3 Poles in Series, 50 °C 600 A (600 V) 3 Poles in Series, 50 °C 600 A
Rated Insulation Voltage (U _i)	acc. to UL/CSA 1000 V
Rated Impulse Withstand Voltage (U _{imp})	Main Circuit 8 kV
Mechanical Durability	3 million
Maximum Mechanical Switching Frequency	300 cycles per hou
Coil Operating Limits	(acc. to IEC 60947-4-1) 0.85 x Uc Min 1.1 x Uc Max. (at θ ≤ 70 °C)
Rated Control Circuit Voltage (U _c)	DC Operation 24 60 V
Coil Consumption	Holding at Max. Rated Control Circuit Voltage 50 Hz 12 V-A Holding at Max. Rated Control Circuit Voltage 60 Hz 12 V-A Holding at Max. Rated Control Circuit Voltage DC 4 W Pull-in at Max. Rated Control Circuit Voltage 50 Hz 890 V-A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 890 V-A Pull-in at Max. Rated Control Circuit Voltage DC 990 V-A
Connecting Capacity Main Circuit	Bar 47 mm² Rigid Al-Cable 2x240 mm² Rigid Cu-Cable 240 mm²
Connecting Capacity Auxiliary Circuit	Flexible with Ferrule 2x 0.75 2.5 mm² Flexible with Insulated Ferrule 1x 0.75 2.5 mm² Flexible 2x0.75 2.5 mm² Solid 2 x 1 4 mm² Stranded 2 x 1 4 mm²
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP00
Terminal Type	Main Circuit: Bars

Terminal Type

Main Circuit: Bars

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Integrated Comparison Com	Technical UL/CSA Maximum Operating	Main Circuit 600 V
Notice	Voltage UL/CSA	man onsak oos v
Temperature Operation 4070 Silonge 40	General Use Rating JL/CSA	(1000 V DC) 650 A (440 V DC) 650 A (600 V DC) 650 A
Temperature Operation 4070 Silonge 40		
Storage 40, 770 aximum Operating titude Permissible sestiante to Nock acc. EC 60088-2-27 Shock Direction: B1 5 6 Shock Direction: B1 5 6 Shock Direction: B2 5 6	Environmental	
Asternate	Ambient Air Temperature	Operation -40 70 °C
EC 60088-2-27 Shock Direction: B1 5 6 Shock Direction: B1 5 6 Shock Direction: B1 5 6 Shock Direction: C2 5 5 Shock Direction: C2 5 6 Shock Direction: C2 5 5 Shock Direction: C2 5 5 Shock Direction: C2 5 5 Shock Direction: C2 5 Shock Direct	Maximum Operating Altitude Permissible	Without Derating 3000 m
ArKILEK Minerals 9AKK108467A5656 sporting Template MRT) ACH Declaration 2CMT2021-006207 ACH Declaration 2CMT2021-006207 ACH Status Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2015 ACH Status Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2015 ACH STATE S	Resistance to Shock acc. o IEC 60068-2-27	Shock Direction: A 5 g Shock Direction: B1 5 g Shock Direction: B2 5 g Shock Direction: C1 5 g Shock Direction: C2 5 q
ArKILEK Minerals 9AKK108467A5656 sporting Template MRT) ACH Declaration 2CMT2021-006207 ACH Declaration 2CMT2021-006207 ACH Status Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2015 ACH Status Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2015 ACH STATE S	Material Compliance	
Second S	Conflict Minerals Reporting Template CMRT)	9AKK108467A5658
Setable Status Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2015	REACH Declaration	2CMT2021-006202
Section Sect	RoHS Information	2CMT2021-006277
BB EcoSolutions	RoHS Status Foxic Substances Control Act - TSCA	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 2CMT2023-006525
### BB EcoSolutions #### Wirronmental Product		
Pertificates and Declarations SEMKO_SE-66698 SEMKO_SE-66699 SEMKO_SE-6699 SEMKO_SE-66699 SEMKO_SE-66699 SEMKO_SE-66699 SEMKO_SE-6699 SEMKO_SE	WEEE B2C / B2B WEEE Category	Business To Business 5. Small Equipment (No External Dimension More Than 50 cm)
Secretificate	NEEE B2C / B2B	
QC Certificate CQC2012010304547008 ceclaration of Conformity 2020980304001542 CC ceclaration of Conformity 2CMT003517 DEC 2CMT2020-006118 JKCA 9AKK107046A8618 AC Certificate 9AKK107046A8618 Listing Card UL E73397 Container Information UL E73397 Container Information 300 mm cackage Level 1 Units box 1 pieces cackage Level 1 Width 280 mm cackage Level 1 Depth / 375 mm cackage Level 1 Height 310 mm cackage Level 1 Height 310 mm cackage Level 1 Gross 12 kg	WEEE B2C / B2B WEEE Category ABB EcoSolutions Environmental Product Declaration - EPD	5. Small Equipment (No External Dimension More Than 50 cm)
CCC eclaration of Conformity 2CMT003517 DE eclaration of Conformity 2CMT2020-006118 JKCA 9AKK107046A8618 AC Certificate 9AKK107046A8618 Lesting Card UL E73397 Container Information 000000000000000000000000000000000000	WEEE B2C / B2B WEEE Category ABB EcoSolutions Environmental Product	5. Small Equipment (No External Dimension More Than 50 cm) 1SFC100105D0201
CE seclaration of Conformity JKCA AC Certificate QAKK107046A8618 L Certificate L Isting Card QUIL E73397 Container Information Quickage Level 1 Units Quickage Level 1 Width Quickage Level 1 Depth / Quickage Level 1 Depth / Quickage Level 1 Height Quickage Level 1 Height Quickage Level 1 Gross	MEEE B2C / B2B MEEE Category ABB EcoSolutions Environmental Product Declaration - EPD Certificates and Declarations CB Certificate	5. Small Equipment (No External Dimension More Than 50 cm) 1SFC100105D0201 SEMKO_SE-66699
SURCA SURCE SURC	MEEE B2C / B2B MEEE Category ABB EcoSolutions Environmental Product Declaration - EPD Certificates and Declarations CB Certificate CQC Certificate Declaration of Conformity CCC	5. Small Equipment (No External Dimension More Than 50 cm) 1SFC100105D0201 SEMKO_SE-66699 CQC2012010304547008 2020980304001542
Container Information Cont	MEEE B2C / B2B MEEE Category ABB EcoSolutions Environmental Product Declaration - EPD Certificates and Declarations CB Certificate CQC Certificate Declaration of Conformity CCC Declaration of Conformity	5. Small Equipment (No External Dimension More Than 50 cm) 1SFC100105D0201 SEMKO_SE-66699 CQC2012010304547008
Container Information Cont	WEEE B2C / B2B WEEE Category ABB EcoSolutions Environmental Product Declaration - EPD Certificates and Declarations CB Certificate CQC Certificate Declaration of Conformity CCC Declaration of Conformity CE Declaration of Conformity UKCA	5. Small Equipment (No External Dimension More Than 50 cm) 1SFC100105D0201 SEMKO_SE-66699 CQC2012010304547008 2020980304001542 2CMT2020-006118
Container Information ackage Level 1 Units ackage Level 1 Width ackage Level 1 Depth / ackage Level 1 Height ackage Level 1 Hooss 310 mm ackage Level 1 Gross	ABB EcoSolutions Environmental Product Declaration - EPD Certificates and Declarations CB Certificate CQC Certificate Declaration of Conformity CCC Declaration of Conformity CE Declaration of Conformity CE Declaration of Conformity CE Declaration of Conformity CE Declaration of Conformity UKCA	5. Small Equipment (No External Dimension More Than 50 cm) 1SFC100105D0201 SEMKO_SE-66699 CQC2012010304547008 2020980304001542 2CMT003517 2CMT2020-006118
box 1 piece ackage Level 1 Width 280 mm ackage Level 1 Depth / 375 mm ength ackage Level 1 Height 310 mm ackage Level 1 Gross 12 kg	ABB EcoSolutions Environmental Product Declaration - EPD Certificates and Declarations CB Certificate CQC Certificate Declaration of Conformity CCC Declaration of Conformity CE Declaration of Conformity CE Declaration of Conformity UKCA EAC Certificate UL Certificate	5. Small Equipment (No External Dimension More Than 50 cm) 1SFC100105D0201 SEMKO_SE-66699 CQC2012010304547008 2020980304001542 2CMT003517 2CMT2020-006118 9AKK107046A8618 20130517-E73397
ackage Level 1 Width 280 mm ackage Level 1 Depth / 375 mm ength 310 mm ackage Level 1 Height 310 mm ackage Level 1 Gross 12 kg	WEEE B2C / B2B WEEE Category ABB EcoSolutions Environmental Product Declaration - EPD Certificates and Declarations CB Certificate CQC Certificate Declaration of Conformity CCC Declaration of Conformity CE Declaration of Conformity	5. Small Equipment (No External Dimension More Than 50 cm) 1SFC100105D0201 SEMKO_SE-66699 CQC2012010304547008 2020980304001542 2CMT003517 2CMT2020-006118 9AKK107046A8618 20130517-E73397
ackage Level 1 Depth / 375 mm ength ackage Level 1 Height 310 mm ackage Level 1 Gross 12 kg	ABB EcoSolutions Environmental Product Declaration - EPD Certificates and Declarations CB Certificate CQC Certificate Declaration of Conformity CCC Declaration of Conformity CCE Declaration of Conformity UKCA EAC Certificate UL Certificate	5. Small Equipment (No External Dimension More Than 50 cm) 1SFC100105D0201 SEMKO_SE-66699 CQC2012010304547008 2020980304001542 2CMT003517 2CMT2020-006118 9AKK107046A8618 20130517-E73397
ength ackage Level 1 Height 310 mm ackage Level 1 Gross 12 kg	WEEE B2C / B2B WEEE Category ABB EcoSolutions Environmental Product Declaration - EPD Certificates and Declarations CB Certificate CQC Certificate Declaration of Conformity CCC Declaration of Conformity UCC Declaration of Conformity UKCA EAC Certificate JL Certificate JL Listing Card	5. Small Equipment (No External Dimension More Than 50 cm) 1SFC100105D0201 SEMKO_SE-66699 CQC2012010304547008 2020980304001542 2CMT003517 2CMT2020-006118
ackage Level 1 Height 310 mm ackage Level 1 Gross 12 kg	MEEE B2C / B2B MEEE Category ABB EcoSolutions Environmental Product Declaration - EPD Certificates and Declarations CB Certificate CQC Certificate Declaration of Conformity CCC Declaration of Conformity UKCA EAC Certificate JL Certificate JL Listing Card Container Information Package Level 1 Units Package Level 1 Width	5. Small Equipment (No External Dimension More Than 50 cm) 1SFC100105D0201 SEMKO_SE-66699 CQC2012010304547008 2020980304001542 2CMT003517 2CMT2020-006118 9AKK107046A8618 20130517-E73397 UL E73397
2024 ABB. All rights reserved. 2024/11/15 Subject to char	MEEE B2C / B2B MEEE Category ABB EcoSolutions Environmental Product Declaration - EPD Certificates and Declarations CB Certificate CQC Certificate Declaration of Conformity CCC Declaration of Conformity UKCA EAC Certificate JL Certificate JL Listing Card Container Information Package Level 1 Units	5. Small Equipment (No External Dimension More Than 50 cm) 1SFC100105D0201 SEMKO_SE-66699 CQC2012010304547008 2020980304001542 2CMT003517 2CMT2020-006118 9AKK107046A8618 20130517-E73397 UL E73397
	ABB EcoSolutions Environmental Product Declaration - EPD Certificates and Declarations CB Certificate CQC Certificate Declaration of Conformity CCC Declaration of Conformity CE Declaration of Conformity UKCA EAC Certificate UL Certificate UL Listing Card Container Information Deckage Level 1 Units Deckage Level 1 Depth /	5. Small Equipment (No External Dimension More Than 50 cm 1SFC100105D020 SEMKO_SE-66699 CQC2012010304547000 202098030400154: 2CMT00351 2CMT2020-00611: 9AKK107046A861: 20130517-E7339 UL E7339 box 1 piece 280 mr 375 mr

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Weight

<u>Package Level 1 EAN</u> 7320500383995

Classifications		
Object Classification Code	Q	
ETIM 7	EC002552 - Power contactor, DC switching	
ETIM 8	EC002552 - Power contactor, DC switching	
ETIM 9	EC002552 - Power contactor, DC switching	
eClass	V11.0 : 27371018	
UNSPSC	39121529	
IDEA Granular Category Code (IGCC)	4763 >> Power contactor, DC switching	

Categories

 $Low\ Voltage\ Products\ \rightarrow\ Control\ Products\ \rightarrow\ Contactors\ \rightarrow\ Block\ Contactors\ \rightarrow\ GA\ Contactors\ \rightarrow\ GAF460$

