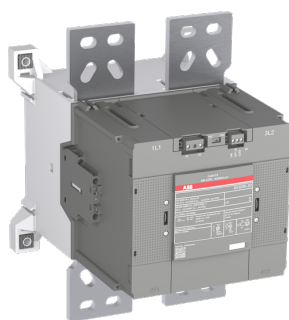


PRODUCT-DETAILS

# GF1050-20-22-53

## GF1050-20-22-53 Contactor



### Informations générales

Extension du type de produit	GF1050-20-22-53
Code de produit	1SFL637731R5322
EAN	7320500540954
Description courte	GF1050-20-22-53 Contactor
Description longue	A 2-phase Contactor suitable for PV solar power applications up to max 1500V DC. Operated with wide voltage range 100-250V AC 50/60Hz and DC

### Commande

Quantité minimum	1 pièce
Code douanier	8536490099

### Downloads Préférés

Fiche produit, informations techniques	1SBC100218B0201
Instructions et manuels	1SFC100003M0001
CAD Dimensional Drawing	2CDC001079B0201

## Dimensions

Produit Largeur Net	253 mm
Produit Longueur Net	300 mm
Produit Hauteur Net	355 mm
Poids net	14.3 kg

## Technique

Number of Main Contacts NO	2
Number of Main Contacts NC	0
Number of Auxiliary Contacts NO	2
Number of Auxiliary Contacts NC	2
Tension	Circuit principal 1500 V
Fréquence assignée (f)	Circuit de commande 50 / 60 Hz
Courant thermique conventionnel à l'air libre ( $I_{th}$ )	acc. to IEC 60947-4-1, Open Contactors $\Theta = 40\text{ °C}$ 1100 A acc. to IEC 60947-4-1, Open Contactors $\Theta = 60\text{ °C}$ 1050 A acc. to IEC 60947-4-1, Open Contactors $\Theta = 70\text{ °C}$ 850 A
Courant assigné de courte durée admissible ( $I_{cw}$ )	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 6336 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 1392 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 3800 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 7600 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 5207 A
Maximum Electrical Switching Frequency	15 cycles per hour
Courant assignée d' emploi DC-1 ( $I_e$ )	(1500 V DC) 2-Pole, 40 °C 210 A
Tension assignée d' isolement ( $U_i$ )	acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1500 V acc. to UL/CSA 1500 V
Tension assignée de tenue aux chocs ( $U_{imp}$ )	Circuit principal 8 kV
Durabilité mécanique	50000 cycle
Maximum Mechanical Switching Frequency	60 cycles per hour
Plage d'utilisation de la bobine selon	(acc. to IEC 60947-4-1) 0.85 x $U_c$ Min. ... 1.1 x $U_c$ Max. (at $\theta \leq 70\text{ °C}$ )
Rated Control Circuit Voltage ( $U_c$ )	50 Hz 100...250 V 60 Hz 100...250 V DC Operation 100...250 V
Coil Consumption	Holding at Max. Rated Control Circuit Voltage 50 Hz 17 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 17 V·A Holding at Max. Rated Control Circuit Voltage DC 12 W Pull-in at Max. Rated Control Circuit Voltage 50 Hz 600 V·A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 600 V·A Pull-in at Max. Rated Control Circuit Voltage DC 700 V·A
Durée de fonctionnement nominale	Entre la mise hors tension de la bobine et l'ouverture du contact NO (normally open) 33...70 ms Entre la mise sous tension de la bobine et la fermeture du contact NO 50...120 ms
Connecting Capacity Main	Solid 600 mm <sup>2</sup>

## Circuit

Connecting Capacity	Flexible with Ferrule 2x 0.75 ... 2.5 mm <sup>2</sup>
Auxiliary Circuit	Flexible with Insulated Ferrule 2x 0.75 ... 2.5 mm <sup>2</sup> Flexible 2x0.75 ... 2.5 mm <sup>2</sup> Solid 2x1 ... 4 mm <sup>2</sup> Stranded 2x1 ... 4 mm <sup>2</sup>

Indice de 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
----------------------	--

Type de borne	Main Circuit: Bars
---------------	--------------------

Rated Operational Current DC-PV3 (I <sub>o</sub> )	(1500 V DC) 2-Pole, 60 °C 1050 A (1500 V DC) 2-Pole, 70 °C 850 A
---	---

## Technique UL/CSA

Maximum Operating Voltage UL/CSA	Circuit principal 1500 V
-------------------------------------	--------------------------

## Environnement

Température de l'air ambiant	Close to Contactor without Thermal O/L Relay (0.85 ... 1.1 U <sub>c</sub> ) -40 ... 70 °C Close to Contactor for Storage -40 ... 70 °C
---------------------------------	---

Altitude de fonctionnement maximale autorisée	Without Derating 2000 m
---	-------------------------

REACH Declaration	2CMT2021-006202
-------------------	-----------------

Informations RoHS	2CMT2021-006277
-------------------	-----------------

Statut RoHS	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
-------------	--

## Certificats et Déclarations (Numéro de document)

Certificat ABS	9AKK108466A1583
Certificat BV	9AKK108466A6837
CB Certificate	1SFC100041D0101
CQC Certificate	CQC20012271919
Declaration of Conformity - CCC	2020980304002803
Déclaration de Conformité - CE	1SFC100019D2701
Declaration of Conformity - UKCA	2CMT2020-006118
Certificat DNV	9AKK108466A1584
Certificat LR	9AKK108466A2274
Certificat UL	1SFC100021D0101

## Emballage

Emballage Niveau 1 Unités	box 1 pièce
------------------------------	-------------

Emballage Niveau 1 Largeur	402 mm
-------------------------------	--------

Emballage Niveau 1	305 mm
--------------------	--------

Longueur

Emballage Niveau 1 415 mm

Hauteur

Emballage Niveau 1 Poids 16.45 kg

## Classifications

ETIM 6 EC002552 - contacteur de puissance, commutation de courant continu

ETIM 7 EC002552 - Power contactor, DC switching

ETIM 8 EC002552 - Power contactor, DC switching

eClass V11.0 : 27371018

UNSPSC 39121529

Code de catégorie granulaire IDEA (IGCC) 4763 &gt;&gt; Power contactor, DC switching

E-Number (Norway) 4115803

## Catégories

Produits basse tension → Produits de Contrôle, Protection et sécurité machines → Contacteurs → Contacteurs monoblocs → GF  
 Contactors → GF1050

