

PRODUCT-DETAILS

# GA75-10-00 220-230V 50Hz / 230-240V 60Hz GA75-10-00 220-230V 50Hz / 230-240V 60Hz Contactor



## Informations générales

Extension du type de produit	GA75-10-00 220-230V 50Hz / 230-240V 60Hz
Code de produit	1SBL411025R8000
EAN	3471522099808
Description courte	GA75-10-00 220-230V 50Hz / 230-240V 60Hz Contactor

Description longue	<p>GA75 contactors are designed for DC circuit switching. Arc suppression is more difficult in DC than in AC. To choose a contactor, it is necessary to know the current and voltage to be broken as well as the L/R time constant of the power circuit to be controlled. GA75 contactors are of the block type design. - Main poles: the contactors are fitted with arc chutes with permanent magnets specially designed for DC breaking. The three contactor paths are arranged in series via two supplied and fitted insulated connections (25 mm<sup>2</sup>). The GA75 are "single-pole" devices for which the connection polarities indicated next to the connection terminals must be respected. Furthermore, they are marked 1L1 for the positive terminal and 2T1 for the negative terminal. - Control circuit: AC operated with laminated magnet circuit - Accessories: a wide range of accessories is available</p>
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## Commande

Quantité minimum	1 pièce
Code douanier	85364900

## Downloads Préférés

Fiche produit, informations techniques	1SBC100122C0202_Ch02
Instructions et manuels	FPTC407691P0003
CAD Dimensional Drawing	2CDC001079B0201

## Dimensions

Produit Largeur Net	70 mm
Produit Longueur Net	108 mm
Produit Hauteur Net	132 mm
Poids net	1.22 kg

## Technique

Number of Main Contacts NO	3
Number of Main Contacts NC	0
Number of Auxiliary Contacts NO	0
Number of Auxiliary Contacts NC	0
Tension	Circuit principal 1000 V DC
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 $\Theta = 40\text{ °C}$ 125 A
Dispositif de protection contre les courts-circuits	gG Type Fuses 160 A
Maximum Electrical Switching Frequency	300 cycles per hour
Courant assignée d'emploi DC-1 ( $I_e$ )	(1000 V) 1-Pole, 40 °C 35 A (1000 V) 1-Pole, 55 °C 35 A (1000 V) 1 Pole, 70 °C 35 A (110 V) 1-Pole, 40 °C 120 A (110 V) 1-Pole, 55 °C 100 A (110 V) 1-Pole, 70 °C 85 A (220 V) 1-Pole, 40 °C 120 A (220 V) 1-Pole, 55 °C 100 A (220 V) 1-Pole, 70 °C 85 A (440 V) 1-Pole, 40 °C 100 A (440 V) 1-Pole, 55 °C 100 A (440 V) 1-Pole, 70 °C 85 A (600 V) 1-Pole, 40 °C 75 A (600 V) 1-Pole, 55 °C 75 A (600 V) 1-Pole, 70 °C 75 A (72 V) 1-Pole, 40 °C 120 A (72 V) 1-Pole, 55 °C 100 A (72 V) 1-Pole, 70 °C 85 A
Courant assignée d'emploi DC-3 ( $I_e$ )	(110 V) 1-Pole, 40 °C 120 A (110 V) 1-Pole, 55 °C 100 A (220 V) 1-Pole, 40 °C 100 A (220 V) 1-Pole, 55 °C 100 A (440 V) 1-Pole, 40 °C 85 A (440 V) 1-Pole, 55 °C 85 A (72 V) 1-Pole, 40 °C 120 A

	(72 V) 1-Pole, 55 °C 100 A
Courant assignée d'emploi DC-5 ( $I_e$ )	(110 V) 1-Pole, 40 °C 85 A (110 V) 1-Pole, 55 °C 85 A (220 V) 1-Pole, 40 °C 85 A (220 V) 1-Pole, 55 °C 85 A (440 V) 1-Pole, 40 °C 35 A (440 V) 1-Pole, 55 °C 35 A (72 V) 1-Pole, 40 °C 85 A (72 V) 1-Pole, 55 °C 85 A
Tension assignée d'isolement ( $U_i$ )	acc. to IEC 60947-4-1 1000 V acc. to UL/CSA 600 V
Tension assignée de tenue aux chocs ( $U_{imp}$ )	8 kV
Durabilite mecanique	10 million
Maximum Mechanical Switching Frequency	3600 cycles per hour
Rated Control Circuit Voltage ( $U_c$ )	50 Hz 220 ... 230 V 60 Hz 230 ... 240 V
Coil Consumption	Average Holding Value 50 / 60 Hz 18 V·A Average Pull-in Value 50 Hz 190 V·A Average Pull-in Value 60 Hz 180 V·A Holding at Max. Rated Control Circuit Voltage 50 Hz 18 V·A Holding at Max. Rated Control Circuit Voltage 50 Hz 5.5 W Holding at Max. Rated Control Circuit Voltage 60 Hz 18 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 5.5 W Pull-in at Max. Rated Control Circuit Voltage 50 Hz 180 V·A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 210 V·A
Durée de fonctionnement nominale	Entre la mise hors tension de la bobine et l'ouverture du contact NO (normally open) 4 ... 11 ms Entre la mise sous tension de la bobine et la fermeture du contact NO 8 ... 27 ms
Montage sur rail DIN	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH75-25 (75 x 25 mm Mounting Rail) acc. to IEC 60715
Mounting by Screws (not supplied)	2 x M6 screws placed diagonally
Connecting Capacity Main Circuit	Flexible with Cable End 6 ... 16 mm <sup>2</sup> Rigid Cable 6 ... 25 mm <sup>2</sup>
Connecting Capacity Auxiliary Circuit	Flexible with Cable End 0.75 ... 2.5 mm <sup>2</sup> Rigid Cable 1 ... 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 IP10
Connecting Terminals (delivered in open position) Main Poles	M 6 (+,-) pozidriv 2 screws with 1x (13 x 10 mm) connector
Type de borne	Screw Terminals

## Technique UL/CSA

Maximum Operating Voltage UL/CSA	Circuit principal 1000 V DC
General Use Rating UL/CSA	(1000 V DC) 35 A (440 V DC) 100 A (600 V DC) 75 A

## Environnement

Température de l'air Close to Contactor for Storage -60 ... +80 °C

ambient	Near Contactor for Operation in Free Air (0.85 ... 1.1 Uc) -40 ... +55 °C Near Contactor for Operation in Free Air (Uc) -40 ... 70 °C
Climatic Withstand	acc. to IEC 60068-2-30 and 60068-2-11 - UTE C 63-100 specification II
Altitude de fonctionnement maximale autorisée	Without Derating 3000 m
REACH Declaration	2CMT2021-006202
Informations RoHS	2CMT2021-006277
Statut RoHS	Following EU Directive 2011/65/EU

## Certificats et Déclarations (Numéro de document)

CB Certificate	CB_CN45325
CCC Certificate	CCC_2018010304129268
CQC Certificate	CQC2018010304129268
Certificat CSA	CSA_1033838_LR056745
Declaration of Conformity - CCC	2020980304001625
Déclaration de Conformité - CE	1SBD250807U1000
Declaration of Conformity - UKCA	1SBD250824U1000
EAC Certificate	EAC_RU C-FR ME77 B03599
UL Listing Card	UL_E319322

## Emballage

Emballage Niveau 1 Unités	box 1 pièce
Emballage Niveau 1 Largeur	140 mm
Emballage Niveau 1 Longueur	146 mm
Emballage Niveau 1 Hauteur	96 mm
Emballage Niveau 1 Poids	1.22 kg
Emballage Niveau 1 EAN	3471522099808
Emballage Niveau 2 Unités	box 63 pièce
Emballage Niveau 2 Poids	76.86 kg

## Classifications

Code de classification d'objet	Q
ETIM 4	EC002552 - Power contactor, DC switching
ETIM 5	EC002552 - Power contactor, DC switching
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 >> Power contactor, DC switching

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## Catégories

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Produits basse tension → Produits de Contrôle, Protection et sécurité machines → Contacteurs → Contacteurs monoblocs → GA  
Contactors → GA75

