

PRODUCT-DETAILS

BC7-30-01-F-1.4-81

BC7-30-01-F-1.4-81 Mini Contactor 24 V DC - 3 NO - 0 NC - Flat-Pin Connections



Informations générales

Extension du type de produit	BC7-30-01-F-1.4-81
Code de produit	GJL1313003R8011
EAN	4013614167799
Description courte	BC7-30-01-F-1.4-81 Mini Contactor 24 V DC - 3 NO - 0 NC - Flat-Pin Connections
Description longue	The BC7-30-01-F mini contactor is a compact 3 pole contactor with 1 auxiliary contact and flat pin connector. They are ideally suited for applications where reliability is a must and space is at a premium. Mini contactors are used in residential buildings, commercial buildings and industrial applications for the control of single or three-phase loads up to 5.5 kW (AC-3) and 20 A / 690 V (AC-1) or switching of control signals. Due to the low coil consumption, this device can be directly controlled by a PLC. Further features are the noiseless and hum-free coil, a switch position indication and the integrated possibility for rail or wall mounting.

Commande

Quantité minimum	1 pièce
Code douanier	85365080

Downloads Préférés

Fiche produit, informations	1SBC100214C0202
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techniques

Instructions et manuels	2CDC102047M6801
CAD Dimensional Drawing	2CDC001079B0201
Schéma dimensionnel	GJL1200437F0001

Dimensions

Produit Largeur Net	52.5 mm
Produit Hauteur Net	57.5 mm
Produit Longueur Net	46.7 mm
Poids net	0.17 kg

Technique

Nombre de pôles	3
Mini Contactor Type	Interface Mini Contactor
Tension	Circuit auxiliaire 690 V AC Circuit auxiliaire 250 V DC Circuit principal 690 V AC Circuit principal 220 V DC
Fréquence assignée (f)	Circuit de commande DC Circuit principal 50 Hz Circuit principal 60 Hz Circuit principal DC
Tension assignée de tenue aux chocs (U_{imp})	Circuit auxiliaire 6 kV Circuit principal 6 kV
Tension assignée d'isolement (U_i)	690 V acc. to UL/CSA 600 V
Number of Main Contacts NC	0
Number of Main Contacts NO	3
Courant assignée d'emploi AC-1 (I_e)	(220 / 240 V) 40 °C 20 A (220 / 240 V) 55 °C 16 A (380 / 440 V) 40 °C 20 A (380 / 440 V) 55 °C 16 A (690 V) 40 °C 6 A (690 V) 55 °C 6 A
Puissance assignée d'emploi AC-3 (P_e)	(230 V) Three Phase 3 kW (400 V) Three Phase 5.5 kW (500 V) Three Phase 5.5 kW (690 V) Three Phase, NO 3 kW
Courant assigné de courte durée admissible (I_{cw})	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 96 A
Number of Auxiliary Contacts NC	1
Number of Auxiliary Contacts NO	0
Courant assignée d'emploi AC-15 (I_e)	(24 V) 4 A (120 V) 4 A (500 V) 2 A (220 / 240 V) 4 A (380 / 400 V) 3 A

Courant assignée d'emploi DC-13 (I_e)	(24 V) 2.5 A (110 V) 0.7 A (220 / 240 V) 0.4 A
Courant thermique conventionnel à l'air libre (I_{th})	Main Circuit 20 A
Rated Control Circuit Voltage (U_c)	24 V DC
Plage d'utilisation de la bobine selon	(acc. to IEC 60947-4-1) for DC supply 0.85 ... 1.1 x U_c (at $\theta \leq 55^\circ\text{C}$)
Indice de protection	Auxiliary Circuit Terminals IP20 Control Circuit Terminals IP20 Main Circuit Terminals IP20
Durabilité mécanique	10000000 cycle
Minimum Switching Capacity	Auxiliary Circuit 17 V Auxiliary Circuit 5 mA
Maximum Electrical Switching Frequency	(AC-1) 300 cycles per hour (AC-15) 600 cycles per hour (AC-3) 600 cycles per hour (DC-1) 600 cycles per hour (DC-13) 600 cycles per hour (DC-3) 600 cycles per hour
Montage sur rail DIN	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715
Power Loss	at Rated Operating Conditions AC-1 per Pole 1.4 W
Normes et standards	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-4-1
Remarques	No CA6 or CAF6 mountable

Technique UL/CSA

Maximum Operating Voltage UL/CSA	Circuit principal 600 V AC
Full Load Amps Motor Use	(115 V AC) Single Phase 13.8 A (200 V AC) Three Phase 7.8 A (220 ... 240 V AC) Three Phase 9.6 A (230 V AC) Single Phase 10 A (440 ... 480 V AC) Three Phase 7.6 A (550 ... 600 V AC) Three Phase 6.1 A
Puissance nominale UL/CSA	(115 V AC) Single Phase 0.75 Hp (200 V AC) Three Phase 2 Hp (220 ... 240 V AC) Three Phase 3 Hp (230 V AC) Single Phase 1.5 Hp (440 ... 480 V AC) Three Phase 5 Hp (550 ... 600 V AC) Three Phase 5 Hp
General Use Rating UL/CSA	(600 V AC) 16 A
Contact Rating UL/CSA	A600

Environnement

Température de l'air ambiant	Operation -20 ... +55 °C Storage -40 ... +80 °C
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Altitude de fonctionnement maximale autorisée	2000 m
Résistance aux chocs selon CEI 60068-2-27	11 ms Pulse 15g
Resistance to Vibrations acc. to IEC 60068-2-6	5g / 5 ... 150 Hz
Statut RoHS	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

Certificats et Déclarations (Numéro de document)

Certificat BV	1SAA920000-0204
CB Certificate	1SAA938000-2002
CQC Certificate	CQC2003010304064033
cURus Certificate	cUL_E191658
Declaration of Conformity - CCC	2020980304001854
Déclaration de Conformité - CE	1SAD101100-3101
Declaration of Conformity - UKCA	1SAD201100-3101
DNV GL Certificate	1SAA938000-0306
EAC Certificate	1SAA920000-2702
KC Certificate	1SAA938000-1501
Certificat LR	1SAA938000-0504
Certificat RMRS	1SAA938000-0704
Certificat UL	E191658-19880915

Emballage

Emballage Niveau 1 Unités	10 pièce
Emballage Niveau 1 Largeur	108 mm
Emballage Niveau 1 Hauteur	69 mm
Emballage Niveau 1 Longueur	247 mm
Emballage Niveau 1 Poids	1.775 kg
Emballage Niveau 1 EAN	4013614418587

Classifications

Code de classification d'objet	Q
ETIM 4	EC000066 - Magnet contactor, AC-switching
ETIM 5	EC000066 - Magnet contactor, AC-switching
ETIM 6	EC000066 - contacteur de puissance pour commutation de courant alternatif
ETIM 7	EC000066 - Power contactor, AC switching
ETIM 8	EC000066 - Power contactor, AC switching

eClass

V11.0 : 27371003

UNSPSC

39121529

Code de catégorie
granulaire IDEA (IGCC)

4763 >> Power contactor, DC switching

Catégories

Produits basse tension → Produits de Contrôle, Protection et sécurité machines → Contacteurs → Mini contacteurs

