

PRODUCT-DETAILS

BC7-30-10-01

BC7-30-10-01 Mini Contactor 24VDC



Informations générales

Extension du type de produit	BC7-30-10-01
Code de produit	GJL1313001R0101
EAN	4013614150159
Description courte	BC7-30-10-01 Mini Contactor 24VDC

Description longue

The BC7-30-10 mini contactor is a compact 3 pole contactor with 1 auxiliary contact and screw terminals. 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. 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 techniques	1SBC100214C0202
Instructions et manuels	2CDC102047M6801
Dimension Diagram	GJL1200436F0001

Dimensions

Produit Largeur Net	52.5 mm
Produit Hauteur Net	57.5 mm
Produit Longueur Net	46.5 mm
Poids net	0.175 kg

Technique

Nombre de pôles	3
Mini Contactor Type	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 60 Hz Circuit principal 50 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	0
Number of Auxiliary Contacts NO	1
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 $\theta \leq 55$ °C)
Indice de protection	Auxiliary Circuit Terminals IP20 Control Circuit Terminals IP20 Main Circuit Terminals IP20
Durabilite mecanique	10000000 cycle
Minimum Switching Capacity	Auxiliary Circuit 17 V Auxiliary Circuit 5 mA
Maximum Electrical	(AC-1) 300 cycles per hour

Switching Frequency	(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
Connecting Capacity Main Circuit	Flexible with Ferrule 1/2x 1 ... 2.5 mm ² Flexible with Insulated Ferrule 1/2x 1 ... 2.5 mm ² Flexible 1/2x 1 ... 2.5 mm ² Rigid 1/2x 1 ... 4 mm ²
Connecting Capacity Auxiliary Circuit	Flexible with Ferrule 1/2x 1 ... 2.5 mm ² Flexible with Insulated Ferrule 1/2x 1 ... 2.5 mm ² Flexible 1/2x 1 ... 2.5 mm ² Rigid 1/2x 1 ... 4 mm ²
Connecting Capacity Control Circuit	Flexible with Ferrule 1/2x 1 ... 2.5 mm ² Flexible with Insulated Ferrule 1/2x 1 ... 2.5 mm ² Flexible 1/2x 1 ... 2.5 mm ² Rigid 1/2x 1 ... 4 mm ²
Wire Stripping Length	Auxiliary Circuit 9 mm Main Circuit 9 mm
Tightening Torque	Auxiliary Circuit 0.8 ... 1.1 N·m Control Circuit 0.8 ... 1.1 N·m Main Circuit 0.8 ... 1.1 N·m
Mounting on DIN Rail	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 per Pole 2 W 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

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
Horsepower Rating 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
Connecting Capacity Main Circuit UL/CSA	Stranded 1/2x 22-10 AWG
Connecting Capacity Auxiliary Circuit UL/CSA	Stranded 1/2x 22-10 AWG
Tightening Torque UL/CSA	Auxiliary Circuit 7 in·lb Control Circuit 7 in·lb Main Circuit 7 in·lb

Environnement

Température de l'air ambiant	Operation -25 ... +55 °C Storage -40 ... +80 °C
Maximum Operating Altitude Permissible	2000 m
Resistance to Shock acc. to IEC 60068-2-27	11 ms Pulse 15g
Resistance to Vibrations	5g / 5 ... 150 Hz

acc. to IEC 60068-2-6

RoHS Status

Following EU Directive 2011/65/EU

Certificats et Déclarations (Numéro de document)

BV Certificate	1SAA920000-0204
CB Certificate	1SAA938000-2002
CQC Certificate	CQC2003010304064033
cULus Certificate	cUL_E191658
Declaration of Conformity - CCC	2020980304001854
Déclaration de Conformité - CE	1SAD938517-0001
Declaration of Conformity - UKCA	1SAD938501-1001
DNV GL Certificate	1SAA938000-0306
EAC Certificate	1SAA920000-2702
Environmental Information	1SAC200068H0009
Instructions et manuels	2CDC102047M6801
KC Certificate	1SAA938000-1501
LR Certificate	1SAA938000-0504
RMRS Certificate	1SAA938000-0704
RoHS Information	1SAD938517-0001

Emballage

Emballage Niveau 1 Unités	10 pièce
Emballage Niveau 1 Largeur	115 mm
Emballage Niveau 1 Hauteur	54 mm
Emballage Niveau 1 Longueur	280 mm
Emballage Niveau 1 Poids	1.82 kg
Emballage Niveau 1 EAN	4013614418242

Classifications

Object Classification Code	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
eClass	V11.0 : 27371003
UNSPSC	39121529
E-Number (Sweden)	3210076

Accessories

Identifiant	Description	Type	Quantity	Unit Of Measure
GJL1201317R0002	CA6-11E Auxiliary Contact	CA6-11E	1	pièce
GJL1201317R0003	CA6-11M Auxiliary Contact	CA6-11M	1	pièce
GJL1201317R0004	CA6-11N Auxiliary Contact	CA6-11N	1	pièce
GJL1201330R0003	CAF6-11M Auxiliary Contact	CAF6-11M	1	pièce
GJL1201330R0006	CAF6-20E Auxiliary Contact	CAF6-20E	1	pièce
GJL1201330R0011	CAF6-02M Auxiliary Contact	CAF6-02M	1	pièce
GJL1201330R0007	CAF6-20M Auxiliary Contact	CAF6-20M	1	pièce
GJL1201330R0012	CAF6-02N Auxiliary Contact	CAF6-02N	1	pièce
GJL1201330R0008	CAF6-20N Auxiliary Contact	CAF6-20N	1	pièce
GJL1201330R0002	CAF6-11E Auxiliary Contact	CAF6-11E	1	pièce
GJL1201330R0004	CAF6-11N Auxiliary Contact	CAF6-11N	1	pièce
GJL1201330R0010	CAF6-02E Auxiliary Contact	CAF6-02E	1	pièce
GJL1201906R0001	LT6-B Cover Cap	LT6-B	1	pièce
GJL1201907R0001	LP6 Connecting Link	LP6	1	pièce
GJL1201904R0001	BN6 Plunger	BN6	1	pièce

Catégories

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

