

Product Specification

A 1.0

Switch Model: 021461271

Switch Name: **Miniature Contactor**

Approval Signature and Chop		
COMPILE/DATE	CHECK/DATE	APPROVAL/DATE

KEDU ELECTRIC Co., Ltd.

CHANGE CONTROL HISTORY

Note: All edition changes must be requested via the Product Engineer (document author) and must have full sign off approval for issue release

Version	Date	Change Description

List

1、Scope statement	4
2、Electric specification.....	4
2.1 Parameters	4
2.2 Requirements.....	4
2.3 Electrical property	4
2.4 Mechanical property.....	4
3、Environmental Requirements.....	5
4、Safety Requirements	5
4.1 Certification Requirements	4
4.2 Environmental protection.....	4
5、Structure Appearance	5
5.1 Overall Dimension.....	5
5.2 Connection.....	5
6. Attached figure.....	7

Specification of CKDC1B09/U7 Miniature Contactor

1. Scope statement

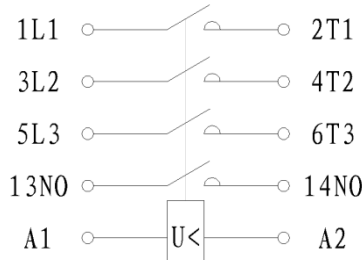
The series of CKDC1 (0214) Miniature Contactor is for the commercial equipment of commercial lighting, this product has a compact space design and smaller than the requirement of IEC.

2. Electric specification

2.1 Parameters

Loadtype	Threephase voltage (50/60Hz)	Current/power
AC-3	240V	9A/3kW

2.2 Requirements

No.	Type	Function	Electrical schematic diagram
1	021461271	AC-3: I _e =12A; 3 main contact + 1 auxiliary contact; The coil voltage is 240V, AC50/60Hz.	

2.3 Electrical property

No.	Item	Requirement
1	Electrical life	8E5 times
2	Protection class	IP2X
3	Nominal insulation voltage	690V (IEC)、600V (UL、CSA)
4	Rated impulse withstand voltage U _{imp}	6KA
5	Coil insulation class	Standard IEC60085: level 5
6	Coil motion performance	Coil can pull-in successfully when control voltage between 85%~110% nominal voltage. Release voltage should be less than 75% nominal control voltage but more than 10% nominal control voltage.
7	Temperature rise	Winding temperature-rise ≤ 100K, terminal temperature-rise ≤ 60K, shell temperature-rise ≤ 40K

8	Specification of screw terminal	M3.5
9	Specification of movable contact	AgNi(10)
10	Specification of stationary contact	AgNi(10)

2.4 Mechanical property

No.	Item	Requirement
1	Switch control voltage	240V
2	Mechanical life	10E8 times

3.Environmental Requirements

No.	Item	Specification
1	Operating ambient temperature	-25℃ ~ +60℃
2	Storage temperature	-55℃ ~ +80℃

4. Safety Requirements

4.1 Certification Requirements

The mark printed on the switch must contains local safety symbols where the switch sold as well as the type and rating admitted by the certification.

Standard system	Mark	Certificate number	Certified electrical parameters
EN60947-1、 EN60947-4-1	VDE	40038253	As shown in the certificate
EN60947-4-1	TUV	R50259352	As shown in the certificate
GB14048. 4	CCC	2014010304693489	As shown in the certificate

4.2 Environmental protection

All parts must be in conformity with RoHS.

5. Structure Appearance

See attached figure.

6. Attached figure

