



Features

- IP67
Using ceramic brazing technology, the contact part is filled with mainly hydrogen gas to effectively prevent contact oxidation and burnout. The contact resistance is low and stable, and the contact part can meet the IP67 protection grade.
- 40A 85
40A 85°C long time current carrying capacity.
- 100M 1000VDC 4kV;
Compliant with IEC 60664-1, GB/T14048.1 and GB/T14048.4 requirements.
- IEC 60664-1 GB/T14048.1 GB/T14048.4
Compliant with IEC 60664-1, GB/T14048.1 and GB/T14048.4 requirements.
- RoHS 2015/863/EU REACH 1907/2006/EC
Safety certificate: CE, RoHS.

Main Contact Specification

Contact Arrangement	1K (1NO)
Contact Polarity	Nonpolarity
Contact Resistance	0.5m (at 40A)
Max. Breaking Current	400A (300VDC) 1 (Ops)
Electrical Endurance	20,000 (Ops) (450VDC, 40A)
	1,000 (Ops) (750VDC, 40A)
Mechanical Endurance	200,000 (Ops)
	40A
	40A, Continuous
	60A, 1h
	80A, 20min
	160A, 30S
Withstand Current	320A, 2S
	400A, 0.6S
	79.2x 39.6x 46.1mm
8 kogpu kc p	79.2x 39.6x 46.1mm
/	/

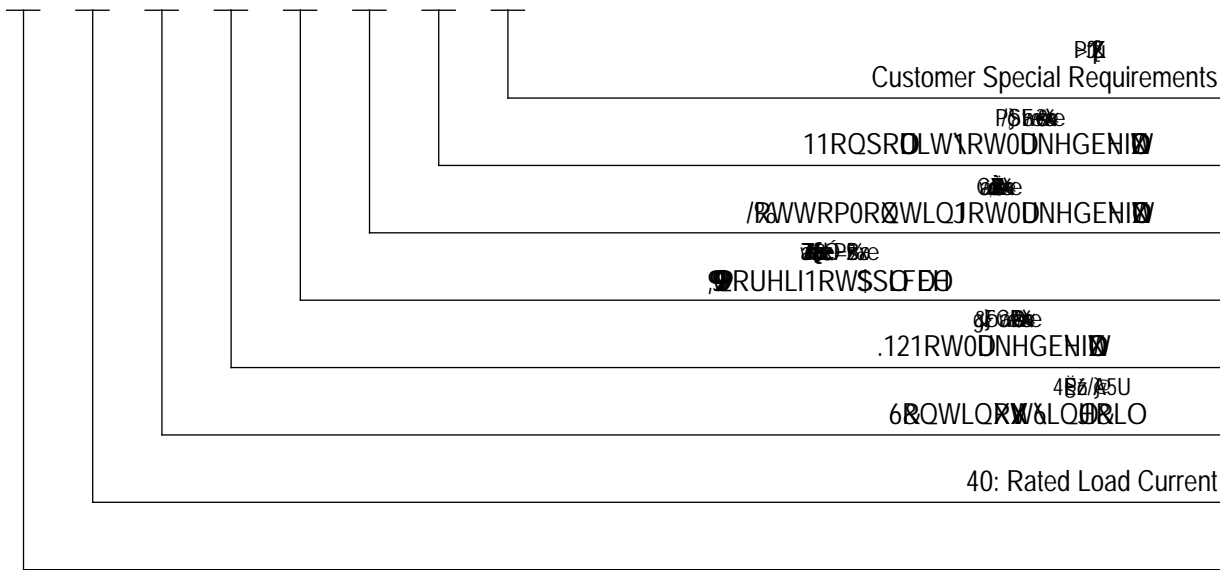
Performance Parameter (at 23)

RkWmi r J c nh cig	75%Us	
8 t c r c i h J c nh cig	8%Us	
Pickup Time	30ms	
Contact Bounce Period	5ms	
8 t c r c i h Vkog	10ms	
8 kgngWh t kW Uh t gpih \ Between Main Contact and Coil	Between Main Contacts	3,000VDC 1min
	Between Main Contact and Coil	4,000VDC 1min
Insulation Resistance	Initial State	100M 1min
	After Electrical Life	50M 1min
Shock	Stability	20g 42i fl Rc k gt QpŁ
	Strength	50g
J kV t ch kc p	5g,10~ 500Hz ,1/2 7i 32r 722< n . 314 Ukpg K cx g fl Rc k	
Relative Humidity	5 ~ 85 RH	
Temperature	-40 ~ 85	
Load Terminal	QC QC Terminal	
Weight	Abou t 160g	

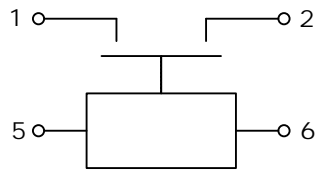
ADE40 ADE40 Coil Parameter

Rated Voltage	Rated Power	Rated Current	Coil Resistance	Coil Power Consumption
12V	75%Us	8%Us	26 Ω ±10%	5.5W ±10%
24V	75%Us	8%Us	104.7 Ω ±10%	5.5W ±10%
48V	75%Us	8%Us	419 Ω ±10%	5.5W ±10%
60V	75%Us	8%Us	654.5 Ω ±10%	5.5W ±10%
72V	75%Us	8%Us	942.5 Ω ±10%	5.5W ±10%

Model Coding



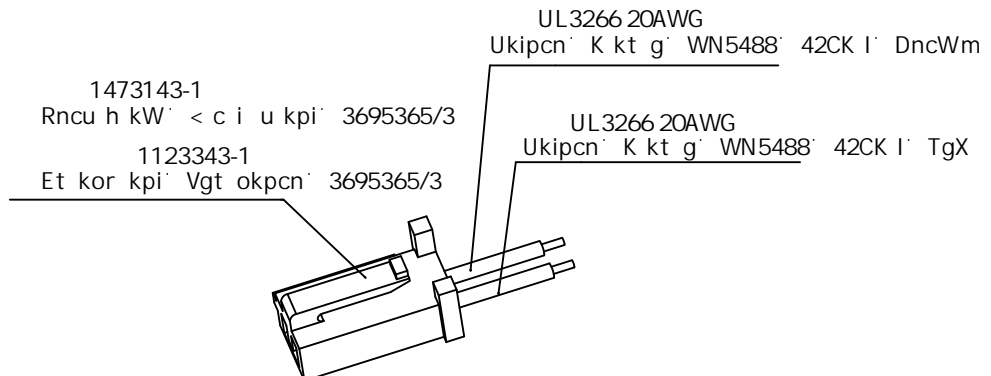
Wiring Diagram



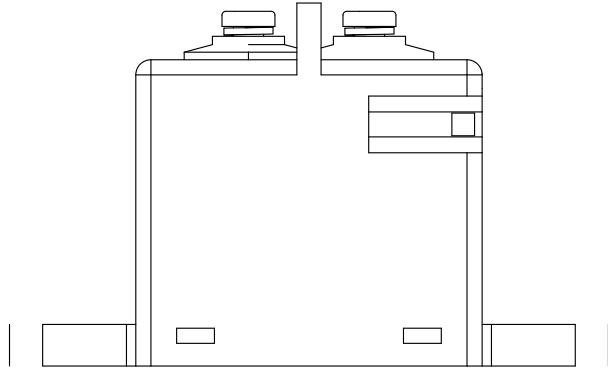
1,2
1,2 Main Terminals with Non-Polarity

5,6
12-72V
UL3266 20AWG

Wiring Diagram



Outline Installation Dimension Drawing



Usage Cautions

1.

Product specifications and parameters may be changed due to product improvement etc., they may be inconsistent because of not updated in time. For the specific parameters and performance of each product, please refer to the product manual.

2.

Regarding the application of this product, please select the matching product according to your specific use conditions and obtain more technical support.

3.

When installing and using this product, regardless of wiring or fixed installation, it is required to use anti-loose spring washers.

4.

The torque for installing fasteners should be within the standard range required by this specification. It may cause the unstable installation or damaging the product if the torque is lower than the minimum torque or higher than the maximum torque.

5.

It is recommended to use it with a cooling fan.

6.

30cm

It is recommended to use it with a cooling fan.

7.

It is forbidden to use the product in an environment with oil pollution, especially before wiring, it will seriously affect the main terminals conductivity if they are polluted by oil pollution, and affect the product life.

8.

It is forbidden to use the product beyond the rated electrical life. When the rated electrical life is reached, although the product can continue to work, there is a risk of failure, explosion, and burning because of non-breaking.

9.

This product cannot be used as a protector, and the circuit must be connected with a protector in series when using.

10.

When connected with inductive load or capacitive load, it is recommended that the circuit should be connected in parallel with a surge protection device.

11.

After continuous work, restarting immediately after disconnection will affect the pull-in voltage because the product is in a hot state, and the pull-in voltage will increase, which is a reasonable phenomenon.

12.

It is strictly prohibited to wiring when power on.