

KKK-D250

250A Relay

Features

- 250A switching capability at both 12VDC and 24VDC
- 1 Form A (SPST-NO) and 1 Form C (SPDT) contact arrangement
- Resistor and diode for coil component available
- Ambient temperature -40°C ~ +125°C



Typical Application

Applicable for 250A Automotive Grade Circuit: Engine start preheating system, power management system, heating plug, front windshield heating start/stop control, etc.

ORDERING GUIDE

	KKAD250	-012	1H	2.4	P	(XXX)
Type	KKAD250 - Standard KKAD250C - Standard Magnetic Type KKAD250M - Mini Type KKAD250MC - Mini Magnetic Type					
Coil Voltage	012:12VDC 024:24VDC					
Contact Form	1H:1 Form A (SPST-NO) 1Z:1 Form C (SPDT)					
Coil Power	2.4: 2.4W coil power, applicable for long term working 4.8: 4.8W coil power, applicable for long term working					
Installation	Nil: standard type, without mounting bracket P: with installation mounting bracket					
Special Code	(XXX):customer special requirement Nil: Standard					

COIL DATA

Type	Coil Voltage		Coil resistance x (1±10%)Ω	Max. Operate Voltage (VDC)	Min. Release Voltage (VDC)	Power consumption (W)	Operate Time(s)	Release Time(s)
	Rated	Max.						
12V 2.4W	12	15.6	60	7.8	1.2	2.4W	≤ 10ms	≤ 5ms
24V 2.4W	24	31.2	240	15.6	2.4	2.4W		
12V 4.8W	12	15.6	80	7.8	1.2	4.8W	≤ 10ms	≤ 5ms
24V 4.8W	24	31.2	320	15.6	2.4	4.8W		

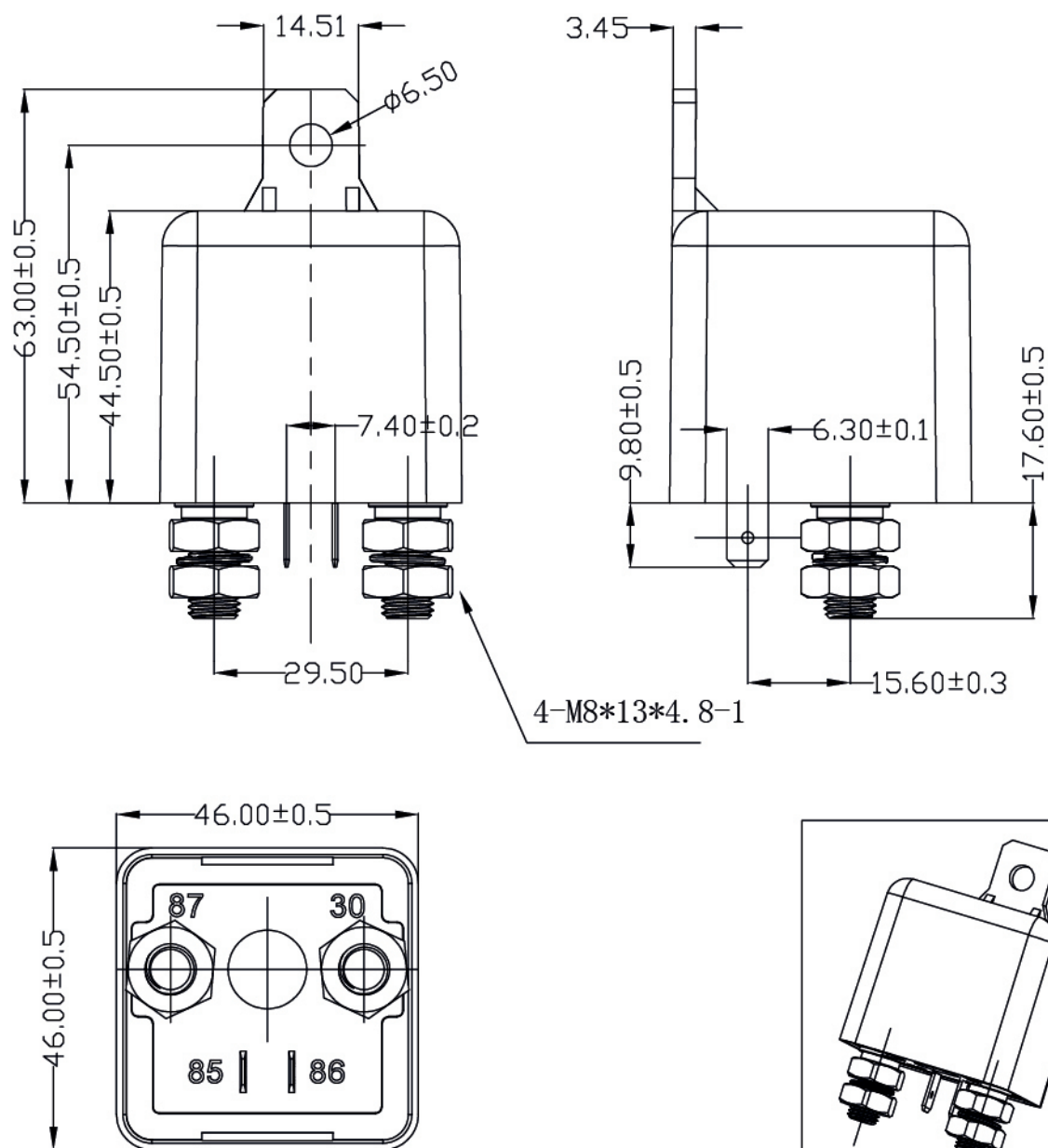
CONTACT DATA

Contact arrangement	SPST-NO(1H)	
Contact Material	AgSnO ₂	
Contact Rating	250A/14VDC	
	125A/28VDC	
Max. Switching Voltage	40VDC	
Max. Switching Current	250A	
Max. Switching Power	3500W	
Contact Resistance	≤30mΩ	Item 4.12 of IEC 61810-7
Electrical Life	1*10 ⁵	Item 4.30 of TEC 61810-7
Mechanical Life	1*10 ⁷	Item 4.31 of TEC 61810-7

CHARACTERISTICS

Insulation resistance	100MΩ min (at 500VDC)	Item 7 of IEC 60255-5
Dielectric strength	50Hz 500V	Item 6 of IEC 60255-5
	50Hz 500V	Item 6 of IEC 60255-5
Shock resistance	147m/s ²	IEC 68-2-27 Test Ea
Vibration	10-40Hz double amplitude 1.5mm	IEC 68-2-6 Test Fc
Termination	20N	IEC 68-2-21 Test Ua1
Soldering	235°C±2°C 3±0.5s	IEC 68-2-20 Test Ta method 1
Ambient Temperature	-40°C--85°C	
Relative Humidity	85% (at 40°C)	IEC 68-2-3 Test Ca
Weight	127g	

DIMENSION



Remark: In case of no tolerance shown in outline dimension: outline dimension ≤ 1 mm, tolerance should be ± 0.2 mm;
Outline dimension > 1 mm and ≤ 5 mm, tolerance should be ± 0.3 mm; outline dimension > 5 mm, tolerance should be ± 0.4 mm.

WIRING DIAGRAM

安装孔位

