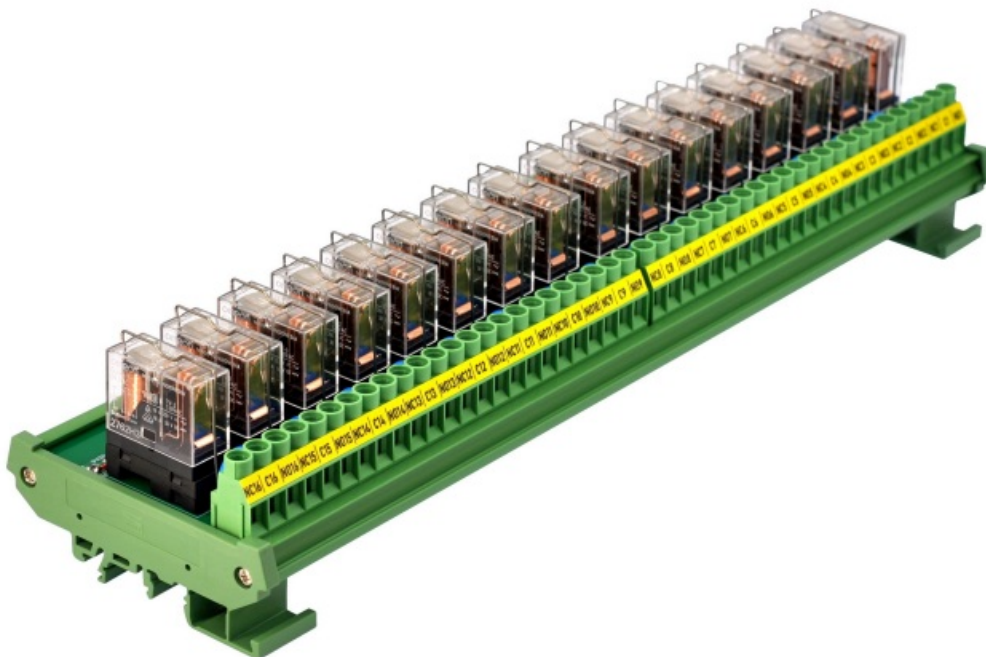


HCDC HD050-12V Pluggable Power Relay Module Instruction Manual

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HCDC HD050-12V Pluggable Power Relay Module



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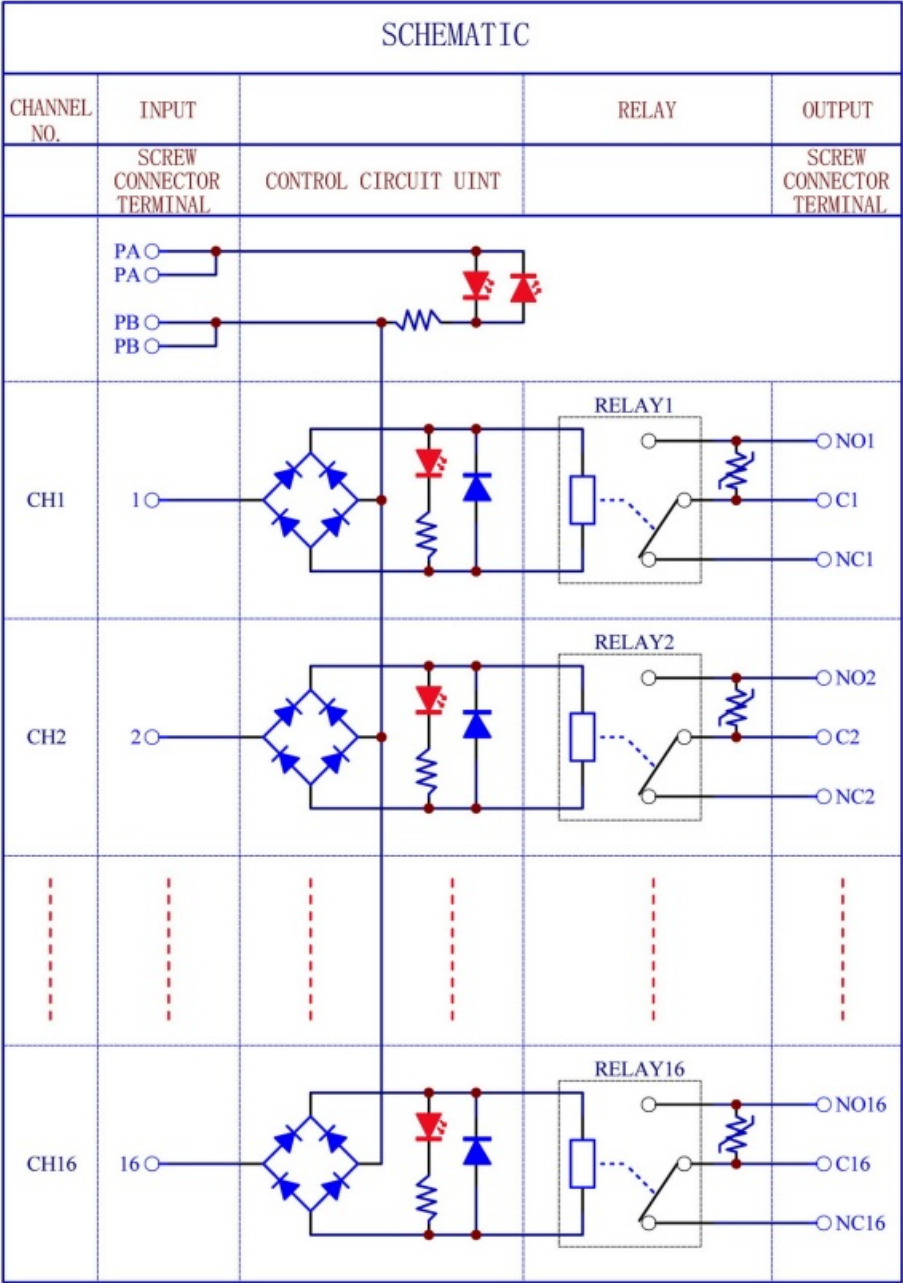
Feature

- Omron G2R-1-E industrial power relays, switching current up to 16 Amp at 250VAC (or 30VDC).
- Support control mode: DC Common positive (Sink, NPN), DC Common negative (Source, PNP), or AC mode.
- LED indicator for each relay channel.
- Relay coil protection by means of a freewheeling diode.
- Easy to replace pluggable relays.
- Output switch COM to N/O with metal oxide varistor, surge protection up to 4500A(8/12 μ S).
- High quality fireproof nylon material DIN rail mount carrier (UL CE certified, not China low quality carrier), can support width 35mm / 32mm / 15mm rail.
- UL CE CQC certified terminal blocks. 94-V0 FR-4 fiber glass PCB

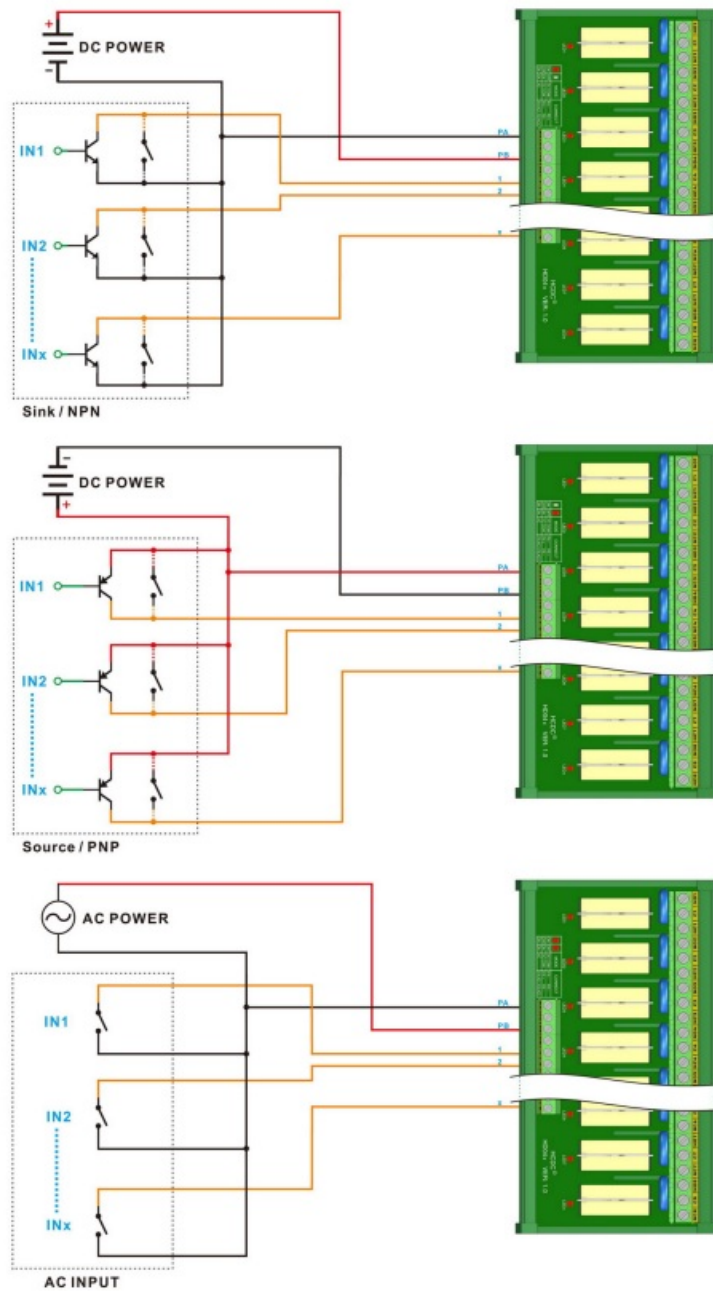
Characteristic Parameters

SKU	HD050-12V	HD050-24V
Relay Part Number	G2R-1-E 12VDC	G2R-1-E 24VDC
Operating Voltage Range	DC 9.0 – 18V AC 9.0 – 15V	DC 18 – 36V AC 15 – 30V
Operating Current (Each channel)	32mA @12V	16mA @24V
Output Switch:		
For AC	Resistive load: 250VAC, 16Amp Inductive load: 250VAC, 8Amp	
For DC	Resistive load: 30VDC, 16Amp Inductive load: 30VDC, 8Amp	
Mechanical endurance	20,000,000 operations min. (at 18,000 operations/hr)	
Electrical endurance	100,000 operations min. (at 1,800 operations/hr under rated load)	
Terminal Blocks:		
Input	Wire range 26AWG to 12AWG / 2.5mm square, Pitch 5.0mm / 0.197". Strip length 7mm. Screws – M2.5	
Output	Wire range 26AWG to 10AWG / 4.0mm square, Pitch 7.62mm / 0.3". Strip length 8mm. Screws — M3	

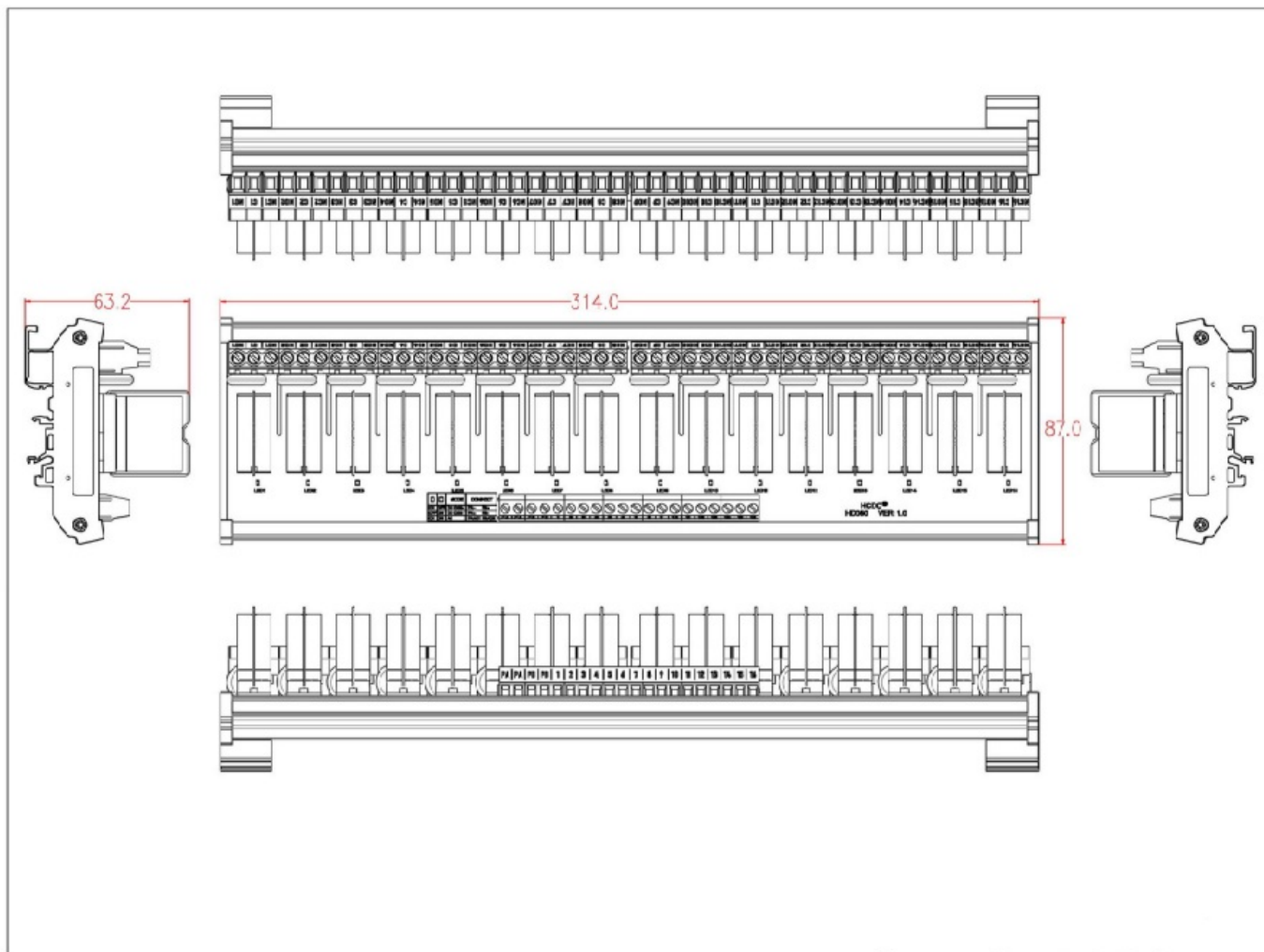
Schematic

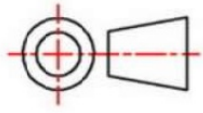


Control Mode Connects (Sink, Source, AC)

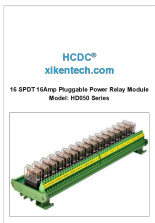


Dimensions



HDC	Xikentec.com		
MODEL NO:	HD050	DATE:	2022.10.21
PROJECTION		UNIT	mm

HDC®



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HD050-12V Pluggable Power Relay Module, HD050-12V, Pluggable Power Relay Module, Power Relay Module, Relay Module

References

- [Xi Interface module, relay module, terminal block module, Fuse module, DIN Rail Mount module](#)
- [User Manual](#)

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