

AR100

V1.0

Automotive Micro-Relay



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1. Revision History

Revision	Date	Author	Description of Change
1.0	2025-03-25	Tom Liu	Initial

2. Product Introduction

AR100 is professional 12VDC Relay applications, please refer to the following wires defined.

AR100	Pin No	Pin Names	Color	Description
5Pin Interface	1	12VDC	RED	Power support 12VDC
	2	Signal Control	BLACK	This pin connects with output of tracker
	3	RELAY_COM	WHITE	Common
	4	RELAY_NO	YELLOW	Normal opened
	5	RELAY_NC	GREEN	Normal closed

3. Product Characteristics

Contact Data	
Rated Voltage	12VDC
Rated Current	NO:30A, NC:25A
Limiting Making Current	40A
Limiting Breaking Current	30A
Electrical Endurance Form C contact (CO) at 14VDC	Motor reverse blocked, 25A, 0.77mH > 100 000 ops.
Mechanical Endurance	> 5 000 000 ops.

Coil Data				
Rated Coil Voltage		12VDC		
Coil Versions, DC coil				
Rated Voltage	Operate Voltage	Release Voltage	Coil Resistance	Rated Coil Power
12 VDC	6.9 VDC	1.5 VDC	254 Ω±10%	567 mW

Other Data	
Product Size	12*12*8mm
Wires length	60cm
Waterproof Rating	IP64
EU RoHS/ELV Compliance	Compliant
Ambient temperature, DC coil	-40 to +105°C

